

Supplement No. 4 pursuant to § 16 (1) of the German Securities Prospectus Act dated 8 January 2020 to the already published Base Prospectus dated 27 March 2019 of UBS AG for the Issuance of Fixed Income Securities (Rates)
Supplement No. 3 pursuant to § 16 (1) of the German Securities Prospectus Act dated 8 January 2020 to the already published tripartite Prospectus comprising the Summary and Securities Note dated 6 May 2019 of UBS AG and the Registration Document of UBS AG for the issuance of Open End Certificates linked to the UBS Global Quality Dividend Payers Total Return (EUR) Index (ISIN DE000UBS0QD1)
Supplement No. 3 pursuant to § 16 (1) of the German Securities Prospectus Act dated 8 January 2020 to the already published tripartite Prospectus comprising the Summary and Securities Note dated 8 May 2019 of UBS AG and the Registration Document of UBS AG for the issuance of Portfolio Certificates linked to the PTAM Navigator Portfolio (ISIN CH0441698849)
Supplement No. 2 pursuant to § 16 (1) of the German Securities Prospectus Act dated 8 January 2020 to the already published Base Prospectus dated 13 June 2019 of UBS AG for the offer of Warrants and other leveraged Securities
Supplement No. 2 pursuant to § 16 (1) of the German Securities Prospectus Act dated 8 January 2020 to the already published Base Prospectus dated 19 June 2019 of UBS AG for the offer of Securities
Supplement No. 2 pursuant to § 16 (1) of the German Securities Prospectus Act dated 8 January 2020 to the already published Base Prospectus dated 10 July 2019 of UBS AG for the Issuance of Fixed Income Securities (Cash)
Supplement No. 2 pursuant to § 16 (1) of the German Securities Prospectus Act dated 8 January 2020 to the already published tripartite Prospectus comprising the Summary and Securities Note dated 11 July 2019 of UBS AG and the Registration Document of UBS AG for the issuance of Strategy Certificates on Gelfarth Select Strategy (ISIN CH0326223960)
Supplement No. 2 pursuant to § 16 (1) of the German Securities Prospectus Act dated 8 January 2020 to the already published tripartite Prospectus comprising the Summary and Securities Note dated 11 July 2019 of UBS AG and the Registration Document of UBS AG for the issuance of Portfolio Certificates linked to the Smart Health Care Portfolio (ISIN DE000US8MAR5)
Supplement No. 2 pursuant to § 16 (1) of the German Securities Prospectus Act dated 8 January 2020 to the already published Base Prospectus dated 15 July 2019 of UBS AG for the offer of UBS Express Securities, UBS Twin-Win Securities, UBS Speeder Securities, UBS Outperformance Plus Securities, UBS Bonus Securities, UBS Dolphin Securities, UBS Capital Protected Securities and UBS Accumulator Securities

This supplement serves as update to the the Base Prospectuses and the tripartite Prospectuses as mentioned above in connection to the following occurrence:

The publication of the third quarter report as per 30 September 2019 of UBS Group AG on 22 October 2019 and UBS AG on 25 October 2019 (please refer to the table below).

The following table shows the updated information and reason for the update of the Base Prospectuses and tripartite Prospectuses, as mentioned above, and the revisions that have been made as a result thereof.

Updated information and reason for the update	Revisions
Information regarding UBS AG have been updated pursuant to the above mentioned third quarter 2019 report.	1. The information in the Elements B.4b and B.12 of the Summary in the Base Prospectuses and tripartite Prospectuses. Please refer to the following sections of this supplement: Summary English Language Summary German Language 2. The description of UBS AG in the Base Prospectuses and tripartite Prospectuses. Please refer to the following sections of this supplement: Information in the Base Prospectuses and Prospectuses regarding the description of UBS AG The third quarter report of UBS Group AG dated 22 October 2019 The third quarter report of UBS AG dated 25 October 2019

This Supplement must be read in conjunction with any information already supplemented by the previous supplements to the Base Prospectuses and the tripartite Prospectuses.

The attention of the investors is in particular drawn to the following: Investors who have already agreed to purchase or subscribe for the Notes, Certificates, Bonds or Securities, as the case may be, before this supplement is published have, pursuant to § 16 (3) of the German Securities Prospectus Act, the right, exercisable within a time limit of two working days after the publication of this supplement, to withdraw their acceptances, provided that the new circumstances or the incorrectness causing the supplement occurred before the closing of the public offering and before the delivery of the securities. A withdrawal, if any, of an order must be communicated in writing to one of the following offices of the Issuer: UBS AG, Bahnhofstrasse 45, 8001 Zurich, Switzerland; UBS AG, Aeschenvorstadt 1, 4051 Basle, Switzerland; UBS AG, Jersey Branch, 24 Union Street, St. Helier JE2 3RF, Jersey, Channel Islands; UBS AG, London Branch, 5 Broadgate, London EC2M 2QS, United Kingdom also specified in the address list which can be found on page 230 of this supplement.

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1) Summary English Language

- (I)** in relation to the Base Prospectus dated 27 March 2019 for the issuance of Fixed Income Securities (Rates)
in the section
"Summary of the Base Prospectus (in the English Language)" in the section headed
"Section B – Issuer"
- (II)** in relation to the prospectus comprising the Summary and Securities Note dated 6 May 2019 for the issuance of Open End Certificates linked to the UBS Global Quality Dividend Payers Total Return (EUR) Index (ISIN DE000UBS0QD1)
in the section
"Summary of the Prospectus (in the English Language)" in the section headed
"Section B – Issuer"
- (III)** in relation to the prospectus comprising the Summary and Securities Note dated 8 May 2019 for the issuance of Portfolio Certificates linked to the PTAM Navigator Portfolio (ISIN CH0441698849)
in the section
"Summary of the Prospectus (in the English Language)" in the section headed
"Section B – Issuer"
- (IV)** in relation to the Base Prospectus dated 13 June 2019 of UBS AG for the offer of Warrants and other leveraged Securities
in the section
"Summary of the Base Prospectus (in the English Language)" in the section headed
"Section B – Issuer"
- (V)** in relation to the Base Prospectus dated 19 June 2019 for the offer of Securities
in the section
"Summary of the Base Prospectus (in the English Language)" in the section headed
"Section B – Issuer"
- (VI)** in relation to the Base Prospectus dated 10 July 2019 for the issuance of Fixed Income Securities (Cash)
in the section
"Summary of the Base Prospectus (in the English Language)" in the section headed
"Section B – Issuer"
- (VII)** in relation to the prospectus comprising the Summary and Securities Note dated 11 July 2019 for the issuance of Strategy Certificates on GelfarthSelect Strategy (ISIN CH0326223960)
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- (IX)** in relation to the Base Prospectus dated 15 July 2019 for of UBS Express Securities, UBS Twin-Win Securities, UBS Speeder Securities, UBS Outperformance Plus Securities, UBS Bonus Securities, UBS Dolphin Securities, UBS Capital Protected Securities and UBS Accumulator Securities
in the section
"Summary of the Base Prospectus (in the English Language)" in the section headed
"Section B – Issuer"

the Elements B.4b, B.12 are completely replaced as follows:

B.4b	A description of any known trends affecting the issuer or the industries in which it operates.	Trend Information As indicated in the UBS Group Third Quarter 2019 Report, stimulus measures and easing of monetary policy by central banks may help to mitigate slowing global economic growth over the medium term. Geopolitical tensions and trade disputes continue to impact investor confidence. Positive momentum toward resolving these issues would likely improve confidence and the economic outlook. Low and persistent negative interest rates and expectations of further monetary easing will adversely affect net interest income compared with last year. UBS's regional and business diversification, along with actions that UBS is taking, will help to mitigate these headwinds. Recurring revenues should also benefit from higher invested assets. As it executes on its strategy, UBS is balancing investments for growth while managing for efficiency. UBS remains committed to delivering on its capital return objectives and creating sustainable long-term value for UBS shareholders.
B.12	Selected historical key financial information.	UBS AG derived the selected consolidated financial information included in the table below for the years ended 31 December 2018, 2017 and 2016 from the Annual Report 2018, except where noted. The selected consolidated financial information included in the table below for the nine months ended 30 September 2019 and 30 September 2018 was derived from the UBS AG Third Quarter 2019 Report. The consolidated financial statements were prepared in accordance with International Financial Reporting Standards ("IFRS") issued by the International Accounting Standards Board ("IASB"). Effective from 1 October 2018, the functional currency of UBS Group AG and UBS AG's Head Office in Switzerland changed from Swiss francs to US dollars and that of UBS AG's London Branch from British pounds to US dollars, in compliance with the requirements of International Accounting Standard (IAS). The presentation currency of UBS AG's consolidated financial statements has changed from Swiss francs to US dollars to align with the functional currency changes of significant Group entities. Prior periods have been restated for this presentation currency change. Assets, liabilities and total equity were translated to US dollars at closing exchange rates prevailing on the respective balance sheet dates, and income and expenses were translated at the respective average rates prevailing for the relevant periods. Information for the years ended 31 December 2018, 2017 and 2016 which is indicated as being unaudited in the table below was included in the Annual Report 2018, but has not been audited on the basis that the respective disclosures are not required under IFRS, and therefore are not part of the audited financial statements.
		As of or for the nine As of or for the year ended

	months ended				
USD million, except where indicated	30.9.19	30.9.18	31.12.18	31.12.17	31.12.16
	unaudited		audited, except where indicated		
Results					
Income statement					
Operating income	22,162	23,559	30,642	30,044	28,831
Net interest income ¹	3,171	3,765	5,949	6,607	6,457
Net fee and commission income	13,057	13,660	17,930	17,550	16,644
Credit loss (expense) / recovery	(70)	(64)	(117)	(131)	(38)
Other net income from financial instruments measured at fair value through profit or loss ¹	5,457	5,659	5,977	5,067	5,018
Operating expenses	17,807	18,517	25,184	24,969	24,643
Operating profit / (loss) before tax	4,355	5,042	5,458	5,076	4,188
Net profit / (loss) attributable to shareholders	3,343	3,834	4,107	758	3,351
Balance sheet ²					
Total assets	972,048		958,055	940,020	919,236
Total financial liabilities measured at amortized cost	603,594		612,174	660,498	612,884
<i>of which: customer deposits</i>	429,143		421,986	423,058	418,129
<i>of which: subordinated debt</i>	7,567		7,511	9,217	11,352* ³
Total financial liabilities measured at fair value through profit or loss	304,689		283,717	217,814	236,727
Loans and advances to customers	321,666		321,482	328,952	300,678
Total equity	54,776		52,432	52,046	53,627
Equity attributable to shareholders	54,613		52,256	51,987	52,957
Profitability and growth					
Return on equity (%) ⁴	8.4	9.9	7.9*	1.4*	6.0*
Return on tangible equity (%) ⁵	9.6	11.3	9.1*	1.6*	6.9*
Return on common equity tier 1 capital (%) ⁶	12.6	14.8	11.9*	2.3*	10.2*
Return on risk-weighted assets, gross (%) ⁷	11.2	12.3	12.0*	12.8*	13.1*
Return on leverage ratio denominator, gross (%) ⁸	3.3	3.4	3.4*	3.4*	3.2*
Cost / income ratio (%) ⁹	80.1	78.4	81.9*	82.7*	85.4*
Net profit growth (%) ¹⁰	(12.8)	17.9	441.9*	(77.4)*	(48.5)*
Resources					
Common equity tier 1 capital ^{11, 12}	35,211	35,046	34,608	34,100*	31,879*
Risk-weighted assets ¹¹	263,777	256,206	262,840*	242,725*	219,330*
Common equity tier 1 capital ratio (%) ¹¹	13.3	13.7	13.2*	14.0*	14.5*
Going concern capital ratio (%) ¹¹	17.8	16.5	16.1*	15.6*	16.3*
Total loss-absorbing capacity ratio (%) ¹¹	32.9	31.3	31.3*	31.4*	29.6*
Leverage ratio denominator ¹¹	901,926	915,977	904,458*	910,133*	855,718*
Common equity tier 1 leverage ratio (%) ¹¹	3.90	3.83	3.83*	3.75*	3.73
Going concern leverage ratio (%) ¹¹	5.2	4.6	4.7*	4.2*	4.2*
Total loss-absorbing capacity leverage ratio (%) ¹¹	9.6	8.8	9.1*	8.4*	7.6*
Other					
Invested assets (USD billion) ¹³	3,422	3,330	3,101	3,262	2,761
Personnel (full-time equivalents)	47,180	47,091	47,643*	46,009*	56,208*
* unaudited					
¹ Effective from the first quarter of 2019, UBS AG refined the presentation of dividend income and expense. This resulted in a reclassification of dividends from <i>Interest income (expense) from financial instruments measured at fair value through profit or loss</i> into <i>Other net income from financial instruments measured at fair value through profit or loss</i> (prior to 1 January 2019: <i>Other net income from fair value changes on financial instruments</i>). <i>Net Interest Income</i> and <i>Other net income from financial instruments measured at fair value through profit or loss</i> for the period ending 30.09.2018 have been restated.					
² As reflected in the Annual Report 2018, the balance sheet figures under the column 31.12.2016 are as of 1.1.2017 for comparison purposes due to the adoption of IFRS 9, which was effective 1.1.2018.					
³ This amount has been translated from the audited financials of the Annual Report 2017, which was reported in Swiss francs, into US dollars at closing exchange rates prevailing on the balance sheet date.					
⁴ Calculated as net profit attributable to shareholders (annualized as applicable) divided by average equity attributable to shareholders. This measure provides information about the profitability of the business in relation to equity.					
⁵ Calculated as net profit attributable to shareholders (annualized as applicable) divided by average equity attributable to shareholders less average goodwill and intangible assets. Effective 1 January 2019, the definition of the numerator for return on tangible equity has been revised to align with numerators for return on equity and return on CET1 capital; i.e., it is no longer adjusted for amortization and impairment of goodwill and intangible assets. Prior periods have been restated. This					

measure provides information about the profitability of the business in relation to tangible equity.

⁶ Calculated as net profit attributable to shareholders (annualized as applicable) divided by average common equity tier 1 capital. This measure provides information about the profitability of the business in relation to common equity tier 1 capital.

⁷ Calculated as operating income before credit loss expense or recovery (annualized as applicable) divided by average risk-weighted assets. This measure provides information about the revenues of the business in relation to risk-weighted assets.

⁸ Calculated as operating income before credit loss expense or recovery (annualized as applicable) divided by average leverage ratio denominator. This measure provides information about the revenues of the business in relation to leverage ratio denominator.

⁹ Calculated as operating expenses divided by operating income before credit loss expense or recovery. This measure provides information about the efficiency of the business by comparing operating expenses with gross income.

¹⁰ Calculated as change in net profit attributable to shareholders from continuing operations between current and comparison periods divided by net profit attributable to shareholders from continuing operations of comparison period. This measure provides information about profit growth in comparison with the prior-year period.

¹¹ Based on the Swiss systemically relevant bank framework as of 1 January 2020.

¹² The information as published in Swiss francs in the Annual Report 2017 for the period ended on 31 December 2017 (CHF 33,240 million) and in the UBS Group AG and UBS AG annual report 2016 for the period ended on 31 December 2016 (CHF 32,447 million) was audited.

¹³ Includes invested assets for Global Wealth Management, Asset Management and Personal & Corporate Banking.

	Material adverse change statement.	There has been no material adverse change in the prospects of UBS AG or UBS AG Group since 31 December 2018.
	Significant changes in the financial and trading position	There has been no significant change in the financial or trading position of UBS AG or UBS AG Group since 30 September 2019, which is the end of the last financial period for which financial information has been published.

2) Summary German Language

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in the section
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in the section
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"Abschnitt B – Emittentin"

the Elements B.4b and B.12 are completely replaced as follows:

B.4b	Alle bereits bekannten Trends, die sich auf die Emittentin und die Branchen, in denen sie tätig ist, auswirken.	Trend Informationen Wie in dem Quartalsbericht für das dritte Quartal 2019 der UBS angegeben, könnten die Stimulierungsmassnahmen und die Lockerung der Geldpolitik durch die Notenbanken dazu beitragen, die Verlangsamung des globalen Wirtschaftswachstums mittelfristig zu mildern. Nach wie vor trüben geopolitische Spannungen und Handelskonflikte die Anlegerstimmung. Fortschritte bei der Lösung dieser Probleme würden wahrscheinlich die Stimmung aufhellen und die Konjunkturaussichten verbessern. Die ohnehin tiefen, teils hartnäckig negativen Zinsen sowie die Erwartung weiterer geldpolitischer Lockerungen werden den Nettozinsertrag im Vergleich zum letzten Jahr beeinträchtigen. Der diversifizierte Regionen- und Geschäftsmix und die getroffenen Massnahmen werden der UBS dabei helfen, die Auswirkungen zu mindern. Der Anstieg der verwalteten Vermögen sollte zudem dem wiederkehrenden Ertrag zugutekommen. Bei der Umsetzung der Strategie strebt UBS einerseits ein ausgewogenes Verhältnis von Wachstumsinvestitionen und andererseits Effizienzmassnahmen an. UBS achtet darauf, eigene Ziele bei der Kapitalrückführung zu erreichen und für UBS-Aktionäre nachhaltigen, langfristigen Wert zu schaffen.
B.12	Ausgewählte wesentliche historische Finanzinformationen	Die unten aufgeführten ausgewählten konsolidierten Finanzinformationen für die Geschäftsjahre endend am 31. Dezember 2018, 2017 und 2016 stammen aus dem Geschäftsbericht 2018, außer wo vermerkt. Die ausgewählten konsolidierten Finanzinformationen in der folgenden Tabelle für die am 30. September 2019 und am 30. September 2018 endenden Quartale stammen aus dem dritten Quartalsbericht 2019 der UBS AG. Die konsolidierten Finanzabschlüsse wurden in Übereinstimmung mit den International Financial Reporting Standards ("IFRS") des International Accounting Standards Board ("IASB") erstellt. Mit Wirkung zum 1. Oktober 2018 wurde die funktionale Währung der UBS Group AG und des Hauptsitzes der UBS AG in der Schweiz von Schweizer Franken auf US-Dollar und die der Niederlassung London der UBS AG von britischen Pfund auf US-Dollar umgestellt, in Übereinstimmung mit den Anforderungen des International Accounting Standard (IAS). Die Berichtswährung der konsolidierten Finanzinformationen der UBS AG, wurde ebenfalls von Schweizer Franken auf US-Dollar umgestellt, um den Änderungen der funktionalen Währung wesentlicher Konzerngesellschaften Rechnung zu tragen. Vorperioden wurden für diese Berichtswährung angepasst. Vermögenswerte, Verbindlichkeiten und Eigenkapital wurden zu Schlusskursen an den jeweiligen Bilanzstichtagen in US-Dollar umgerechnet, und die Erträge und die Aufwendungen wurden zu den jeweiligen Durchschnittskursen der relevanten Zeiträume umgerechnet. Die Informationen für die Geschäftsjahre endend am 31. Dezember 2018, 2017 und 2016, die in der nachstehenden Tabelle mit „ungeprüft“ gekennzeichnet sind, wurden in den Geschäftsbericht 2018 aufgenommen, wurden jedoch nicht

		geprüft, da die entsprechenden Angaben nach IFRS nicht erforderlich sind und daher nicht Bestandteil des geprüften Abschlusses sind.				
		Für die neun Monate endend am oder per		Für das Geschäftsjahr endend am oder per		
Mio, USD, Ausnahmen sind angegeben		30.9.19	30.9.18	31.12.18	31.12.17	31.12.16
		ungeprüft		Geprüft, Ausnahmen sind angegeben		
Ergebnisse						
Gewinn- und Verlustrechnung						
Geschäftsertrag		22.162	23.559	30.642	30.044	28.831
Nettozinserträge ¹		3.171	3.765	5.949	6.607	6.457
Provisionsüberschuss		13.057	13.660	17.930	17.550	16.644
Wertberichtigungen für Kreditrisiken		(70)	(64)	(117)	(131)	(38)
Andere Erträge aus erfolgswirksam zum Zeitwert bilanzierten Finanzinstrumenten ¹		5.457	5.659	5.977	5.067	5.018
Geschäftsaufwand		17.807	18.517	25.184	24.969	24.643
Ergebnis vor Steuern		4.355	5.042	5.458	5.076	4.188
Den Aktionären zurechenbares Ergebnis		3.343	3.834	4.107	758	3.351
Bilanz ²						
Bilanzsumme		972.048		958.055	940.020	919.236
Total zu fortgeführten Anschaffungskosten bewertete Finanzverbindlichkeiten		603.594		612.174	660.498	612.884
davon: Kundeneinlagen		429.143		421.986	423.058	418.129
davon: nachrangige Verbindlichkeiten		7.567		7.511	9.217	11.352* ³
Totale finanzielle Verbindlichkeiten, die erfolgswirksam zum beizulegenden Zeitwert bewertet werden		304.689		283.717	217.814	236.727
Forderungen an Kunden		321.666		321.482	328.952	300.678
Gesamteigenkapital		54.776		52.432	52.046	53.627
Den Aktionären zurechenbares Eigenkapital		54.613		52.256	51.987	52.957
Profitabilität und Wachstum						
Rendite auf Eigenkapital (%) ⁴		8,4	9,9	7,9*	1,4*	6,0*
Eigenkapitalrendite abzüglich Goodwill und anderer immaterieller Vermögenswerte (%) ⁵		9,6	11,3	9,1*	1,6*	6,9*
Rendite auf Hartes Kernkapital (CET1) (%) ⁶		12,6	14,8	11,9*	2,3*	10,2*
Rendite auf risikogewichteten Aktiven brutto (%) ⁷		11,2	12,3	12,0*	12,8*	13,1*
Rendite auf den Leverage Ratio Denominator brutto (%) ⁸		3,3	3,4	3,4*	3,4*	3,2*
Verhältnis von Geschäftsaufwand / Geschäftsertrag (%) ⁹		80,1	78,4	81,9*	82,7*	85,4*
Wachstum des Ergebnisses (%) ¹⁰		(12,8)	17,9	441,9*	(77,4)*	(48,5)*
Ressourcen						
Hartes Kernkapital (CET1) ^{11, 12}		35.211	35.046	34.608	34.100*	31.879*
Risikogewichtige Aktiven ¹¹		263.777	256.206	262.840*	242.725*	219.330*
Harte Kernkapitalquote (CET1) (%) ¹¹		13,3	13,7	13,2*	14,0*	14,5*
Going Concern Kapitalquote (%) ¹¹		17,8	16,5	16,1*	15,6*	16,3*
Total Verlustabsorptionsfähigkeit Ratio (%) ¹¹		32,9	31,3	31,3*	31,4*	29,6*
Leverage Ratio Denominator ¹¹		901.926	915.977	904.458*	910.133*	855.718*
Harte Kernkapitalquote (CET1) Leverage Ratio (%) ¹¹		3,90	3,83	3,83*	3,75*	3,73*
Going Concern Leverage ratio (%) ¹¹		5,2	4,6	4,7*	4,2*	4,2*
Total Verlustabsorptionsfähigkeit Leverage Ratio (%) ¹¹		9,6	8,8	9,1*	8,4*	7,6*
Andere						
Verwaltete Vermögen (in Mrd, USD) ¹³		3.422	3.330	3.101	3.262	2.761
Personal (auf Vollzeitbasis)		47.180	47.091	47.643*	46.009*	56.208*

*ungeprüft ¹ Ab dem ersten Quartal 2019 hat UBS AG die Darstellung der Dividendenerträge und -aufwendungen verfeinert. Dies führte zu einer Umgliederung der Dividenden aus <i>Zinserträgen (-aufwendungen) aus erfolgswirksam zum Zeitwert bilanzierten Finanzinstrumenten</i> in <i>Andere Erträge aus erfolgswirksam zum Zeitwert bilanzierten Finanzinstrumenten</i> (vor dem 1. Januar 2019: <i>Sonstiges Erträge aus Änderungen von erfolgswirksam zum Zeitwert bilanzierten Finanzinstrumenten</i>). <i>Zinserträge und Sonstige Erträge aus erfolgswirksam zum Zeitwert bilanzierten Finanzinstrumenten</i> für den Zeitraum endend am 30.09.2018 wurden angepasst. ² Wie im Geschäftsbericht 2018 dargestellt, sind die Bilanzzahlen in der Spalte 31.12.2016 zum Vergleichszweck aufgrund der Anwendung von IFRS 9, welche zum 1.1.2018 in Kraft trat, <i>per 1.1.2017</i> angegeben. ³ Dieser Betrag wurde aus den geprüften Finanzdaten des in Schweizer Franken ausgewiesenen Geschäftsberichts 2017 zu den am Bilanzstichtag geltenden Schlusskursen in US-Dollar umgerechnet ⁴ Den Aktionären zurechenbares berechnetes Konzernergebnis (gegebenenfalls annualisiert) dividiert durch den Aktionären zurechenbares durchschnittliches Eigenkapital. Diese Maßnahme gibt Auskunft über die Rentabilität des Geschäfts im Verhältnis zum Eigenkapital. ⁵ Den Aktionären zurechenbares berechnetes Konzernergebnis (gegebenenfalls annualisiert) dividiert durch das den Aktionären zurechenbare durchschnittliche Eigenkapital abzüglich des durchschnittlichen Geschäfts- oder Firmenwerts (goodwill) und der immateriellen Vermögenswerte. Effektiv ab dem 1. Januar 2019 wurde die Definition des Zählers für die Eigenkapitalrendite überarbeitet, um den Zählern für die Eigenkapitalrendite und die CET1- Kapitalrendite zu entsprechen. Das heißt, es wird nicht mehr um Abschreibungen und Wertminderungen von Firmenwerten und immateriellen Vermögenswerten bereinigt. Vorperioden wurden angepasst. Diese Kennzahl liefert Informationen zu der Rentabilität des Geschäfts in Bezug auf die materiellen Vermögenswerte. ⁶ Den Aktionären zurechenbares berechnetes Konzernergebnis (annualisiert wenn anwendbar) dividiert durch durchschnittliches Hartes Kernkapital (CET1). Diese Maßnahme liefert Informationen über die Rentabilität des Unternehmens in Bezug auf das Hartes Kernkapital (CET1). ⁷ Berechneter Geschäftsertrag vor Wertberichtigungen für Kreditrisiken oder Kreditrückforderung (annualisiert wenn anwendbar) dividiert durch durchschnittliche risikogewichteten Aktiven. Diese Kennzahl liefert Informationen zu den Einnahmen des Geschäfts in Bezug auf die risikogewichteten Aktiven. ⁸ Berechneter Geschäftsertrag vor Wertberichtigungen für Kreditrisiken oder Kreditrückforderung (annualisiert wenn anwendbar) dividiert durch einen durchschnittlichen Leverage Ratio Denominator. Diese Kennzahl liefert Informationen zu den Einnahmen des Geschäfts in Bezug auf den Leverage Ratio Denominator. ⁹ Berechneter Geschäftsaufwand dividiert durch den Geschäftsertrag vor Wertberichtigungen für Kreditrisiken oder Kreditrückforderung. Diese Kennzahl liefert Informationen über die Effizienz des Geschäfts indem der Geschäftsaufwand mit dem Geschäftsertrag verglichen wird. ¹⁰ Berechnete Veränderung des aktuellen den Aktionären zurechenbaren Konzernergebnisses aus fortzuführenden Geschäftsbereichen in der laufenden Periode im Vergleich zur Referenzperiode dividiert durch das den Aktionären zurechenbare Konzernergebnis aus fortzuführenden Geschäftsbereichen in der Referenzperiode. Diese Kennzahl liefert Informationen über das Ergebniswachstum im Vergleich zu früheren Jahresperioden. ¹¹ Basiert auf den Regeln für Schweizer systemrelevante Banken (SRB) ab dem 1. Januar 2020. ¹² Die im Geschäftsbericht 2017 in Schweizer Franken veröffentlichten Informationen für die am 31. Dezember 2017 endende Periode (CHF 33.240 Millionen) und der Geschäftsbericht 2016 der UBS Group AG und der UBS AG für die am 31. Dezember 2016 endende Periode (CHF 32.447 Millionen) wurden geprüft. ¹³ Enthält Vermögen unter der Verwaltung von Global Wealth Management, Asset Management und Personal & Corporate Banking.		
	Erklärung hinsichtlich wesentlicher Verschlechterung.	Seit dem 31. Dezember 2018 sind keine wesentlichen nachteiligen Veränderungen in den Aussichten der UBS AG oder der UBS AG Gruppe eingetreten.
	Wesentliche Veränderungen in der Finanzlage oder der Handelsposition.	Seit dem 30. September 2019, welches das Enddatum des letzten Finanzzeitraums ist, für welchen ein Zwischenabschluss veröffentlicht wurde, sind keine wesentlichen Veränderungen der Finanzlage oder der Handelsposition der UBS AG bzw. UBS AG Gruppe eingetreten.

3) Information in the Base Prospectuses and Prospectuses regarding the description of UBS AG

- (I)** in relation to the Base Prospectus dated 27 March 2019 for the issuance of Fixed Income Securities (Rates)
in the section
"DESCRIPTION OF THE ISSUER"
- (II)** in relation to the prospectus comprising the Summary and Securities Note dated 6 May 2019 for the issuance of Open End Certificates linked to the UBS Global Quality Dividend Payers Total Return (EUR) Index (ISIN DE000UBS0QD1)
in the section
"DESCRIPTION OF THE ISSUER"
- (III)** in relation to the prospectus comprising the Summary and Securities Note dated 8 May 2019 for the issuance of Portfolio Certificates linked to the PTAM Navigator Portfolio (ISIN CH0441698849)
in the section
"DESCRIPTION OF THE ISSUER"
- (IV)** in relation to the Base Prospectus dated 13 June 2019 of UBS AG for the offer of Warrants and other leveraged Securities
in the section
"DESCRIPTION OF THE ISSUER"
- (V)** in relation to the Base Prospectus dated 19 June 2019 for the offer of Securities
in the section
"DESCRIPTION OF THE ISSUER"
- (VI)** in relation to the Base Prospectus dated 10 July 2019 for the issuance of Fixed Income Securities (Cash)
in the section
"DESCRIPTION OF UBS AG"
- (VII)** in relation to the prospectus comprising the Summary and Securities Note dated 11 July 2019 for the issuance of Strategy Certificates on GelfarthSelect Strategy (ISIN CH0326223960)
in the section
"DESCRIPTION OF THE ISSUER"
- (VIII)** in relation to the prospectus comprising the Summary and Securities Note dated 11 July 2019 for the issuance of Portfolio Certificates linked to the Smart Health Care Portfolio (ISIN DE000US8MAR5)
in the section
"DESCRIPTION OF THE ISSUER"
- (IX)** in relation to the Base Prospectus dated 15 July 2019 for of UBS Express Securities, UBS Twin-Win Securities, UBS Speeder Securities, UBS Outperformance Plus Securities, UBS Bonus Securities, UBS Dolphin Securities, UBS Capital Protected Securities and UBS Accumulator Securities
in the section
"DESCRIPTION OF THE ISSUER"

is completely replaced as follows:

"

(1) General Information on UBS AG

UBS AG with its subsidiaries (together, "**UBS AG consolidated**", or "**UBS AG Group**"; together with UBS Group AG, which is the holding company of UBS AG, and its subsidiaries, "**UBS Group**", "**Group**", "**UBS**" or "**UBS Group AG consolidated**") provides financial advice and solutions to private, institutional and corporate clients worldwide, as well as private clients in Switzerland. The operational structure of the Group is comprised of the Corporate Center and four business divisions: Global Wealth Management, Personal & Corporate Banking, Asset Management and the Investment Bank. UBS's strategy is centered on its leading global wealth management business and its premier personal and corporate banking business in Switzerland, complemented by its focused investment bank and global asset manager. UBS concentrates on capital-efficient businesses in its targeted markets, where UBS has a strong competitive position and an attractive long-term growth or profitability outlook.

On 30 September 2019, UBS Group's common equity tier 1 ("**CET1**") capital ratio was 13.1%, the CET1 leverage ratio was 3.84%, the total loss-absorbing capacity ratio was 33.3%, and the total loss-absorbing capacity leverage ratio was 9.8%.¹ On the same date, invested assets stood at USD 3,422 billion, equity attributable to shareholders was USD 56,187 million and market capitalisation was USD 41,210 million. On the same date, UBS employed 67,634 people².

On 30 September 2019, UBS AG consolidated CET1 capital ratio was 13.3%, the CET1 leverage ratio was 3.90%, the total loss-absorbing capacity ratio was 32.9%, and the total loss-absorbing capacity leverage ratio was 9.6%.¹ On the same date, invested assets stood at USD 3,422 billion and equity attributable to UBS AG shareholders was USD 54,613 million. On the same date, UBS AG Group employed 47,180 people².

The rating agencies S&P Global Ratings Europe Limited ("**Standard & Poor's**"), Moody's Deutschland GmbH ("**Moody's**"), Fitch Ratings Limited ("**Fitch Ratings**"), and Scope Ratings GmbH ("**Scope Ratings**") have published solicited credit ratings reflecting their assessment of the creditworthiness of UBS AG, i.e. its ability to fulfil in a timely manner payment obligations, such as principal or interest payments on long-term loans, also known as debt servicing. The ratings from Fitch Ratings, Standard & Poor's and Scope Ratings may be attributed a plus or minus sign, and those from Moody's a number. These supplementary attributes indicate the relative position within the respective rating class. UBS AG has a long-term counterparty credit rating of A+ (outlook: stable) from Standard & Poor's, long-term senior debt rating of Aa3 (outlook: stable) from Moody's, long-term issuer default rating of AA- (outlook: stable) from Fitch Ratings and issuer rating of AA- (outlook: stable) from Scope Ratings.

An explanation of the significance of ratings may be obtained from the rating agencies. Generally, rating agencies base their ratings on such material and information, and such

¹ All figures based on the Swiss systemically relevant bank framework as of 1 January 2020. Refer to the "*Capital management*" section of the Annual Report 2018 and of the UBS Group Third Quarter 2019 Report, as defined herein, for more information.

² Full-time equivalents.

of their own investigations, studies and assumptions, as they deem appropriate. The ratings of UBS AG should be evaluated independently from similar ratings of other entities, and from the rating, if any, of its securities. A credit rating is not a recommendation to buy, sell or hold securities issued or guaranteed by the rated entity and may be subject to review, revision, suspension, reduction or withdrawal at any time by the assigning rating agency. All the above-mentioned rating agencies are registered as credit rating agencies under Regulation (EC) No 1060/2009 as amended by Regulation (EU) No 513/2011.

The following table gives an overview of the rating classes as used by the above rating agencies and their respective meaning. UBS AG's rating is indicated by the red box.

Standard & Poor's		Moody's		Fitch Ratings		Scope Ratings	
Long-Term counterparty credit rating		Long-Term senior debt rating		Long-Term Issuer Default Rating		Issuer Rating	
AAA	Extremely strong capacity to meet financial commitments	Aaa	Highest quality	AAA	Highest credit quality	AAA	The safest, most stable and sustainable risk characteristics across the credit spectrum, extremely strong financial and business fundamentals
AA+	Very strong capacity to meet financial commitments	Aa1	High quality	AA+	Very high credit quality	AA+	Very strong and well-rounded business franchises, as well as viable, well-tested and sustainable business models
AA		Aa2		AA		AA	
AA-		Aa3		AA-		AA-	
A+	Strong capacity to meet its financial commitments	A1	Upper-medium grade	A+	High credit quality	A+	Attractive franchises, although in some instances some areas of activity in the business mix may be less convincing than others, potentially situations of weaker macroeconomic factors affecting some banks' performance, but overall viability is not threatened, as this relative weakness is well mitigated by good financial fundamentals, reliable management and risk-averse strategies
A		A2		A		A	
A-		A3		A-		A-	
BBB+	Adequate capacity to meet its financial commitments	Baa1	Medium grade	BBB+	Good credit quality	BBB+	For some banks in the BBB range, macroeconomic weakness affects performance, Overall prudential metrics are acceptable and risks are generally well managed and currently under control, Some institutions at the lower end of the BBB range may remain anchored in challenged
BBB		Baa2		BBB		BBB	
BBB-		Baa3		BBB-		BBB-	

Standard & Poor's			Moody's		Fitch Ratings		Scope Ratings	
								franchises
BB+	Significant speculative characteristics	Less vulnerable in the near term than other lower-rated obligors	Ba1	Speculative, subject to substantial credit risk	BB+	Speculative	BB+	A mix of intrinsic weakness of several key risk indicators – asset quality, revenue generation and/or prudential metrics – and stressed macroeconomic factors
BB			Ba2		BB		BB	
BB-			Ba3		BB-		BB-	
B+		More vulnerable than the obligors rated 'BB'	B1	Speculative, subject to high credit risk	B+	Highly speculative	B+	Generally affected by weak financial and business metrics, likely accompanied by borderline prudential metrics
B			B2		B		B	
B-			B3		B-		B-	
CCC+		Currently vulnerable	Caa1	Speculative, of poor standing and subject to very high credit risk	CCC	Substantial credit risk	CCC	Severely eroded financial metrics, very possibly inadequate prudential indicators, potentially can no longer pursue business activities as a going concern, range may be very close to or already are in resolution, or close to insolvency proceedings for non-resolvable banks
CCC			Caa2		CC	Very high levels of credit risk	CC	
CCC-			Caa3		C	Exceptionally high levels of credit risk	C	
CC		Currently highly vulnerable	Ca	Highly speculative, likely in, or very near, default with some prospect of recovery of principal and interest	RD	Restricted default		
R	Under regulatory supervision		C	Typically in default, with little prospect for recovery of principal or interest	D	Default	D	Default-like event
SD	Selective Default							
D	Default							

All the above-mentioned rating agencies are registered as credit rating agencies under Regulation (EC) No 1060/2009 as amended by Regulation (EU) No 513/2011.

Any statements regarding the competitive position of UBS AG, UBS AG Group or the Group contained in this Base Prospectus are made on the basis of the opinion of UBS AG or the Group, taking into consideration publicly available information and its own assessment of markets and market participants.

Corporate Information

The legal and commercial name of the company is UBS AG.

The company was incorporated under the name SBC AG on 28 February 1978 for an unlimited duration and entered in the Commercial Register of Canton Basel-City on that day. On 8 December 1997, the company changed its name to UBS AG. The company in its present form was created on 29 June 1998 by the merger of Union Bank of Switzerland (founded 1862) and Swiss Bank Corporation (founded 1872). UBS AG is entered in the Commercial Registers of Canton Zurich and Canton Basel-City. The registration number is CHE-101.329.561.

UBS AG is incorporated and domiciled in Switzerland and operates under the Swiss Code of Obligations as an Aktiengesellschaft, a corporation limited by shares. UBS AG's Legal Entity Identifier (LEI) code is BFM8T61CT2L1QCEMIK50.

According to article 2 of the articles of association of UBS AG dated 26 April 2018 ("Articles of Association"), the purpose of UBS AG is the operation of a bank. Its scope of operations extends to all types of banking, financial, advisory, trading and service activities in Switzerland and abroad. UBS AG may establish branches and representative offices as well as banks, finance companies and other enterprises of any kind in Switzerland and abroad, hold equity interests in these companies, and conduct their management. UBS AG is authorized to acquire, mortgage and sell real estate and building rights in Switzerland and abroad. UBS AG may borrow and invest money on the capital markets. UBS AG is part of the group of companies controlled by the group parent company UBS Group AG. It may promote the interests of the group parent company or other group companies. It may provide loans, guarantees and other kinds of financing and security for group companies.

The addresses and telephone numbers of UBS AG's two registered offices and principal places of business are: Bahnhofstrasse 45, CH-8001 Zurich, Switzerland, telephone +41 44 234 1111; and Aeschenvorstadt 1, CH-4051 Basel, Switzerland, telephone +41 61 288 5050.

Organisational Structure of UBS AG

UBS AG is a Swiss bank and the parent company of the UBS AG Group. It is 100% owned by UBS Group AG, which is the holding company of the UBS Group. UBS operates as a group with four business divisions and a Corporate Center.

In 2014, UBS began adapting its legal entity structure to improve the resolvability of the Group in response to too big to fail requirements in Switzerland and recovery and resolution regulation in other countries in which the Group operates. In December 2014, UBS Group AG became the holding company of the Group.

In 2015, UBS AG transferred its personal & corporate banking and wealth management businesses booked in Switzerland to the newly established UBS Switzerland AG, a banking subsidiary of UBS AG in Switzerland. In 2016, UBS Americas Holding LLC was designated as the intermediate holding company for UBS's US subsidiaries and UBS merged its wealth management subsidiaries in various European countries into UBS Europe SE, UBS's German-headquartered European subsidiary. Additionally, UBS transferred the majority of Asset Management's operating subsidiaries to UBS Asset Management AG. Effective 1 April 2019, the portion of the Asset Management business in Switzerland conducted by UBS AG was transferred from UBS AG to its indirect subsidiary, UBS Asset Management Switzerland AG.

UBS Business Solutions AG, a wholly owned subsidiary of UBS Group AG, was established in 2015 and acts as the Group service company. In 2017, UBS's shared services functions in Switzerland and the UK were transferred from UBS AG to UBS Business Solutions AG. UBS also completed the transfer of shared services functions in the US to its US service company, UBS Business Solutions US LLC, a wholly owned subsidiary of UBS Americas Holding LLC.

In March 2019, UBS Limited, UBS's UK headquartered subsidiary, was merged into UBS Europe SE prior to the UK's scheduled departure from the EU. Former clients and other counterparties of UBS Limited who can be serviced by UBS AG's London Branch were migrated to UBS AG's London Branch prior to the merger.

UBS continues to consider further changes to the Group's legal structure in response to regulatory requirements and other external developments. Such changes may include further consolidation of operating subsidiaries in the EU and adjustments to the booking entity or location of products and services. Refer to "Risk Factors - UBS has announced its intention to make certain structural changes in light of regulatory trends and requirements and the Terms and Conditions do not contain any restrictions on the Issuer's or UBS's ability to restructure its business" above.

UBS Group AG's interests in subsidiaries and other entities as of 31 December 2018, including interests in significant subsidiaries, are discussed in "Note 31 Interests in subsidiaries and other entities" to the UBS Group AG's consolidated financial statements included in the UBS Group AG and UBS AG Annual Report 2018 published on 15 March 2019 ("Annual Report 2018").

UBS AG's interests in subsidiaries and other entities as of 31 December 2018, including interests in significant subsidiaries, are discussed in "Note 31 Interests in subsidiaries and other entities" to the UBS AG's consolidated financial statements included in the Annual Report 2018.

UBS AG is the parent company of, and conducts a significant portion of its operations through, its subsidiaries. UBS AG has contributed a significant portion of its capital and provides substantial liquidity to subsidiaries. In addition, UBS Business Solutions AG provides substantial services to group companies including UBS AG and its subsidiaries. To this extent, UBS AG is dependent on certain of the entities of the UBS AG Group and of the UBS Group.

Business Overview

Business Divisions and Corporate Center

UBS operates as a group with four business divisions (Global Wealth Management, Personal & Corporate Banking, Asset Management, and the Investment Bank) and a Corporate Center. Each of the business divisions and the Corporate Center are described below. A description of the Group's strategy can be found under "Our strategy" in the "Our strategy, business model and environment" section of the Annual Report 2018; a description of the businesses, strategies, clients, organisational structures, products and services of the business divisions and the Corporate Center can also be found in the "Our strategy, business model and environment" section of the Annual Report 2018.

Global Wealth Management

Global Wealth Management provides investment advice and solutions to private clients, in particular in the ultra high net worth and high net worth segments. Clients benefit from Global Wealth Management's comprehensive set of capabilities, including wealth planning, investing, lending, asset protection, philanthropy, corporate and banking services as well as family office services in collaboration with the Investment Bank and Asset Management. Global Wealth Management has a global footprint, with the US representing its largest market. Clients are served through local offices and dedicated advisors. The ultra high net worth business is managed globally across the regions.

Personal & Corporate Banking

Personal & Corporate Banking provides comprehensive financial products and services to private, corporate and institutional clients and operates in Switzerland in the private and corporate loan market. Personal & Corporate Banking is central to UBS's universal bank model in Switzerland and it works with the wealth management, investment bank and asset management businesses to help clients receive the best products and solutions for their specific financial needs. While Personal & Corporate Banking operates primarily in its home market of Switzerland, it also provides capabilities to support the growth of the international business activities of UBS's corporate and institutional clients through local hubs in Frankfurt, New York, Hong Kong and Singapore. The business is divided into Personal Banking and Corporate & Institutional Clients (CIC).

Asset Management

Asset Management is a large-scale and diversified global asset manager. It offers investment capabilities and styles across all major traditional and alternative asset classes, as well as platform solutions and advisory support to institutions, wholesale intermediaries and Global Wealth Management clients around the world. Asset Management offers clients a wide range of investment products and services in different asset classes in the form of segregated, pooled or advisory mandates as well as registered investment funds in various jurisdictions. It covers the main asset management markets globally, with a presence grouped in four regions: the Americas; Europe, Middle East and Africa; Switzerland; and Asia Pacific.

Investment Bank

The Investment Bank provides a range of services to institutional, corporate and wealth management clients to help them raise capital, grow their businesses, invest and manage risks. It is focused on its traditional strengths in advisory, capital markets, equities and foreign exchange, complemented by a targeted rates and credit platform. The Investment Bank uses its research and technology capabilities to support its clients as they adapt to the evolving market structures and changes in the regulatory, technological, economic and competitive landscape. The Investment Bank delivers solutions to corporate, institutional and wealth management clients, using its intellectual capital and electronic platforms. It also provides services to Global Wealth Management, Personal & Corporate Banking and Asset Management. It has a global reach, with principal offices in all major financial hubs.

UBS plans to make changes to the Investment Bank that will be effective 1 January 2020: Corporate Client Solutions (CCS) and Investor Client Services (ICS) will be renamed Global Banking and Global Markets, respectively. Global Banking will adopt a global coverage model and will deploy its deep global industry expertise to meet the needs of its most important clients. Global Markets will combine Equities and Foreign Exchange, Rates and Credit, and will introduce three product verticals (Execution & Platform, Derivatives & Solutions, and Financing). Research and Evidence Lab Innovations will continue to be a critical part of the Investment Bank's advisory and content offering.

Corporate Center

Corporate Center provides services to the Group through the Corporate Center – Services and Group Treasury units. Corporate Center also includes the Non-core and Legacy Portfolio unit. Corporate Center – Services consists of the Group Chief Operating Officer area (Group Technology, Group Corporate Services, Group Human Resources, Group Operations and Group Sourcing), Group Finance (excluding Group Treasury), Group Legal, Group Risk Control, Communications & Branding, Group Compliance, Regulatory & Governance, and UBS in society. Group Treasury manages the structural risk of UBS's balance sheet, including interest rate risk, structural foreign exchange risk and collateral risk, as well as the risks associated with the Group's liquidity and funding portfolios. Group Treasury also seeks to optimize financial performance by matching assets and liabilities. Group Treasury serves all business divisions and the other Corporate Center units through three main risk management areas, and its risk management is fully integrated into the Group's risk governance framework. Non-core and Legacy Portfolio manages legacy positions from businesses exited by the Investment Bank. It is overseen by a committee chaired by the Group Chief Risk Officer.

Beginning with the first quarter 2019 report, UBS provides results for total Corporate Center only and does not separately report Corporate Center – Services, Group ALM and Non-core and Legacy Portfolio. Furthermore, UBS has operationally combined Group Treasury with Group ALM and calls this combined function Group Treasury.

Competition

The financial services industry is characterised by intense competition, continuous innovation, restrictive, detailed, and sometimes fragmented regulation and ongoing consolidation. UBS faces competition at the level of local markets and individual business lines, and from global financial institutions that are comparable to UBS in their size and breadth. Barriers to entry in individual markets and pricing levels are being eroded by new technology. UBS expects these trends to continue and competition to increase.

Recent Developments:

Selected consolidated financial information

UBS AG derived the selected consolidated financial information included in the table below for the years ended 31 December 2018, 2017 and 2016 from the Annual Report 2018, except where noted. The selected consolidated financial information included in the table below for the nine months ended 30 September 2019 and 30 September 2018 was derived from the UBS AG Third Quarter 2019 Report.

The consolidated financial statements were prepared in accordance with International Financial Reporting Standards (“IFRS”) issued by the International Accounting Standards Board (“IASB”). Effective from 1 October 2018, the functional currency of UBS Group AG and UBS AG’s Head Office in Switzerland changed from Swiss francs to US dollars and that of UBS AG’s London Branch from British pounds to US dollars, in compliance with the requirements of International Accounting Standard (IAS) 21, The Effects of Changes in Foreign Exchange Rates. The presentation currency of UBS AG’s consolidated financial statements has changed from Swiss francs to US dollars to align with the functional currency changes of significant Group entities. Prior periods have been restated for this presentation currency change. Assets, liabilities and total equity were translated to US dollars at closing exchange rates prevailing on the respective balance sheet dates, and income and expenses were translated at the respective average rates prevailing for the relevant periods.

Information for the years ended 31 December 2018, 2017 and 2016 which is indicated as being unaudited in the table below was included in the Annual Report 2018, but has not been audited on the basis that the respective disclosures are not required under IFRS, and therefore are not part of the audited financial statements. The Annual Report 2018 and the UBS AG Third Quarter 2019 Report are incorporated by reference herein. Prospective investors should read the whole of this Prospectus and the documents incorporated by reference herein and should not rely solely on the summarized information set out below.

	As of or for the nine months ended		As of or for the year ended		
	30.9.19	30.9.18	31.12.18	31.12.17	31.12.16
<i>USD million, except where indicated</i>					
	<i>unaudited</i>		<i>audited, except where indicated</i>		

Results

Income statement

Operating income	22,162	23,559	30,642	30,044	28,831
Net interest income ¹	3,171	3,765	5,949	6,607	6,457
Net fee and commission income	13,057	13,660	17,930	17,550	16,644
Credit loss (expense) / recovery	(70)	(64)	(117)	(131)	(38)
Other net income from financial instruments measured at fair value through profit or loss ¹	5,457	5,659	5,977	5,067	5,018
Operating expenses	17,807	18,517	25,184	24,969	24,643
Operating profit / (loss) before tax	4,355	5,042	5,458	5,076	4,188
Net profit / (loss) attributable to shareholders	3,343	3,834	4,107	758	3,351

Balance sheet ²

Total assets	972,048		958,055	940,020	919,236
Total financial liabilities measured at amortized cost	603,594		612,174	660,498	612,884
<i>of which: customer deposits</i>	429,143		421,986	423,058	418,129
<i>of which: subordinated debt</i>	7,567		7,511	9,217	11,352* ³
Total financial liabilities measured at fair value through profit or loss	304,689		283,717	217,814	236,727
Loans and advances to customers	321,666		321,482	328,952	300,678
Total equity	54,776		52,432	52,046	53,627
Equity attributable to shareholders	54,613		52,256	51,987	52,957

Profitability and growth

Return on equity (%) ⁴	8.4	9.9	7.9*	1.4*	6.0*
Return on tangible equity (%) ⁵	9.6	11.3	9.1*	1.6*	6.9*
Return on common equity tier 1 capital (%) ⁶	12.6	14.8	11.9*	2.3*	10.2*
Return on risk-weighted assets, gross (%) ⁷	11.2	12.3	12.0*	12.8*	13.1*
Return on leverage ratio denominator, gross (%) ⁸	3.3	3.4	3.4*	3.4*	3.2*
Cost / income ratio (%) ⁹	80.1	78.4	81.9*	82.7*	85.4*
Net profit growth (%) ¹⁰	(12.8)	17.9	441.9*	(77.4)*	(48.5)*

Resources

Common equity tier 1 capital ^{11, 12}	35,211	35,046	34,608	34,100*	31,879*
Risk-weighted assets ¹¹	263,777	256,206	262,840*	242,725*	219,330*
Common equity tier 1 capital ratio (%) ¹¹	13.3	13.7	13.2*	14.0*	14.5*
Going concern capital ratio (%) ¹¹	17.8	16.5	16.1*	15.6*	16.3*
Total loss-absorbing capacity ratio (%) ¹¹	32.9	31.3	31.3*	31.4*	29.6*
Leverage ratio denominator ¹¹	901,926	915,977	904,458*	910,133*	855,718*
Common equity tier 1 leverage ratio (%) ¹¹	3.90	3.83	3.83*	3.75*	3.73*
Going concern leverage ratio (%) ¹¹	5.2	4.6	4.7*	4.2*	4.2*
Total loss-absorbing capacity leverage ratio (%) ¹¹	9.6	8.8	9.1*	8.4*	7.6*
Other					
Invested assets (USD billion) ¹³	3,422	3,330	3,101	3,262	2,761
Personnel (full-time equivalents)	47,180	47,091	47,643*	46,009*	56,208*

* unaudited

¹ Effective from the first quarter of 2019, UBS AG refined the presentation of dividend income and expense. This resulted in a reclassification of dividends from *Interest income (expense) from financial instruments measured at fair value through profit or loss* into *Other net income from financial instruments measured at fair value through profit or loss* (prior to 1 January 2019: *Other net income from fair value changes on financial instruments*). *Net Interest Income* and *Other net income from financial instruments measured at fair value through profit or loss* for the period ending 30.09.2018 have been restated.

² As reflected in the Annual Report 2018, the balance sheet figures under the column 31.12.2016 are as of 1.1.2017 for comparison purposes due to the adoption of IFRS 9, which was effective 1.1.2018.

³ This amount has been translated from the audited financials of the Annual Report 2017, which was reported in Swiss francs, into US dollars at closing exchange rates prevailing on the balance sheet date.

⁴ Calculated as net profit attributable to shareholders (annualized as applicable) divided by average equity attributable to shareholders. This measure provides information about the profitability of the business in relation to equity.

⁵ Calculated as net profit attributable to shareholders (annualized as applicable) divided by average equity attributable to shareholders less average goodwill and intangible assets. Effective 1 January 2019, the definition of the numerator for return on tangible equity has been revised to align with numerators for return on equity and return on CET1 capital; i.e., it is no longer adjusted for amortization and impairment of goodwill and intangible assets. Prior periods have been restated. This measure provides information about the profitability of the business in relation to tangible equity.

⁶ Calculated as net profit attributable to shareholders (annualized as applicable) divided by average common equity tier 1 capital. This measure provides information about the profitability of the business in relation to common equity tier 1 capital.

⁷ Calculated as operating income before credit loss expense or recovery (annualized as applicable) divided by average risk-weighted assets. This measure provides information about the revenues of the business in relation to risk-weighted assets.

⁸ Calculated as operating income before credit loss expense or recovery (annualized as applicable) divided by average leverage ratio denominator. This measure provides information about the revenues of the business in relation to leverage ratio denominator.

⁹ Calculated as operating expenses divided by operating income before credit loss expense or recovery. This measure provides information about the efficiency of the business by comparing operating expenses with gross income.

¹⁰ Calculated as change in net profit attributable to shareholders from continuing operations between current and comparison periods divided by net profit attributable to shareholders from continuing operations of comparison period. This measure provides information about profit growth in comparison with the prior-year period.

¹¹ Based on the Swiss systemically relevant bank framework as of 1 January 2020.

¹² The information as published in Swiss francs in the Annual Report 2017 for the period ended on 31 December 2017 (CHF 33,240 million) and in the UBS Group AG and UBS AG annual report 2016 for the period ended on 31 December 2016 (CHF 32,447 million) was audited.

¹³ Includes invested assets for Global Wealth Management, Asset Management and Personal & Corporate Banking.

1. Tightened self-regulation for income-producing real estate

In August 2019, FINMA approved the Swiss Bankers Association's revised self-regulation on mortgage lending for income-producing real estate. The revisions increase the minimum equity required for new and increased mortgages on these properties, from 10% to 25% of the market value at origination, and require mortgages to amortize to two thirds of the market value at origination within 10 years (previously 15 years). UBS Switzerland AG will be subject to the revised self-regulation that will come into effect on 1 January 2020. The overall effect on UBS is expected to be limited.

2. Volcker Rule revisions

US regulators have adopted amendments (2019 Final Rule) to their regulations implementing the Volcker Rule prohibitions on proprietary trading and limitations on covered fund activities. The amendments will become effective on 1 January 2020, with compliance voluntary from that date, and mandatory from 1 January 2021.

Among other changes, the 2019 Final Rule tailors compliance program obligations for trading activities in tiers based on the level of US trading assets and liabilities and relaxes certain conditions for exemptions to the Volcker Rule restrictions to apply to activities engaged in by foreign banking entities outside the United States.

UBS expects it will fall within the "Significant" category, which will require UBS to maintain its compliance program but should eliminate certain reporting requirements. US regulators also signalled the intention to propose further amendments to the covered funds provisions of their Volcker Rule regulations.

3. Tailoring of regulation for foreign banks in the US

On 10 October 2019, the Board of Governors of the Federal Reserve System adopted two proposals that tailor how certain capital and liquidity requirements and enhanced prudential standards apply to foreign banking organizations ("FBOs") with significant US operations. Under the final rules, FBOs and their US intermediate holding companies ("IHCs") will be assigned to categories based on their size measured in total assets as well as on scores relating to four other risk-based indicators: non-bank assets, a weighted measure of short-term wholesale funding, off-balance sheet exposure and cross-jurisdictional activity.

Each of UBS Americas Holdings LLC (UBS's IHC) and UBS's combined US operations, which include its IHC and US branches of UBS AG, are expected to be a "Category III" firm under the final rule. In this category, among other things, UBS Americas Holding LLC will continue to be: (i) required to submit its capital plan annually; (ii) subject to limitations on distributions through the Comprehensive Capital Analysis and Review (CCAR) process; and (iii) subject to annual supervisory stress testing and (iv) subject to the supplementary leverage ratio. It will also become subject to the newly applicable liquidity coverage ratio requirements and the proposed net stable funding ratio requirements. "Category III firms" will be required to conduct company-run stress tests once every two years, rather than annually, and to submit US resolution plans once every three years.

4. China further opening up its financial sector

In July 2019, China's Office of Financial Stability and Development Committee and the State Administration of Foreign Exchange announced measures designed to accelerate the opening up of the financial sector to foreign financial institutions and investors. Measures include: the removal of foreign ownership limits on securities, fund management and futures companies one year earlier, in 2020; encouraging overseas financial institutions to establish and invest in asset and wealth management entities and currency brokers and participate in the bond market; and eliminating requirements and quotas for qualified foreign investors to invest in China. More detailed implementation guidance is expected over the coming months.

The accelerated removal of the ownership caps for securities companies means that UBS AG is expected to be permitted to increase its stake in UBS Securities China from the current level of 51% to 100% by 2020. The exact effective date remains to be clarified.

5. The Swiss National Bank to adjust the zero interest rate exemption threshold

In September 2019, the Swiss National Bank ("SNB") announced that it would keep the SNB policy rate and interest on sight deposits at the SNB at negative 0.75% and reconfirmed its willingness to intervene in the foreign exchange market as necessary. The SNB also announced adjustments to the calculation of the amount of sight deposits at the SNB that are exempt from negative interest rates. The exemption threshold will be increased from 20 to 25 times each bank's minimum requirement. In addition, the threshold will be updated on a monthly basis. These changes will come into effect on 1 November 2019. The SNB communicated that this decision was taken based on the assumption that the low interest rate environment around the world will persist for some time. UBS maintains significant sight deposits at the SNB. The adjustments to the exemption threshold calculation are expected to benefit UBS's net interest income.

6. Swiss emergency plan credibility determination

UBS has developed and annually submits to FINMA an emergency plan demonstrating how it will maintain functions that are systemically important for the Swiss economy in the event of a crisis. UBS has developed a comprehensive emergency plan and has completed substantial measures designed to ensure the maintenance of systemically important functions, including the transfer of systemically important functions to UBS Switzerland AG and the establishment of a separate service company to provide services to Group companies. FINMA is expected to make a formal determination of whether the emergency plans of Swiss systemically relevant banks are "credible" in early 2020. As a result of this review, FINMA may require UBS to amend the plan or put other measures in place.

7. Developments related to the transition away from IBORs

Liquidity and activity in Alternative Reference Rates ("ARRs") continue to develop in markets around the world, with work progressing to resolve certain issues associated with transitioning away from interbank offered rates ("IBORs"). Regulatory authorities continue to focus on transitioning to ARR by the end of 2021. The Alternative Reference Rates Committee is considering potential legislative solutions that would mitigate legal risks related to legacy contracts in the event of IBOR discontinuation. In addition, in October 2019, the US Treasury Department and Internal Revenue Service published proposed regulations providing tax relief related to issues that may arise as a result of the modification of debt, derivative, and other financial contracts from IBOR-based language to ARR. The European Central Bank published the euro short-term rate (€STR), the risk-free rate for EUR markets, for the first time on 2 October 2019, reflecting trading activity on 1 October 2019. The Bank of England Working Group on Sterling Risk-Free Reference Rates continues to be supportive of the development of a term reference rate (Sterling Overnight Index Average, or SONIA).

UBS has a substantial number of contracts linked to IBORs. The new, risk-free ARR do not currently provide a term structure, which will require a change in the contractual terms of products currently indexed on terms other than overnight. UBS has established a cross-divisional, cross-regional governance structure and change program to address the scale and complexity of the transition.

8. Strategic partnership with Banco do Brasil

In September 2019, UBS announced its intention to enter into a strategic investment banking partnership with Banco do Brasil. By building on the complementary strengths of both firms, UBS and Banco do Brasil believe that the formation of a strategic, long-term partnership will create a leading investment bank platform in South America with global coverage. It is envisaged that UBS will hold the majority (50.01%) of the shares in the partnership, which would be established by a contribution of assets by both parties. Closing of the transaction is subject to the execution of transaction documents as well as obtaining all required internal and external approvals.

9. Structural changes in the Investment Bank

UBS is realigning its Investment Bank to meet the evolving needs of its clients, further focus its resources on opportunities for profitable growth and allow it to invest in UBS's digital transformation. Corporate Client Solutions (CCS) and Investor Client Services (ICS) will be renamed Global Banking and Global Markets, respectively. Global Banking will adopt a global coverage model and will deploy its deep global industry expertise to meet the needs of its most important clients. Global Markets will combine Equities and Foreign Exchange, Rates and Credit, and will introduce three product verticals (Execution & Platform, Derivatives & Solutions, and Financing). Research and Evidence Lab Innovations will continue to be a critical part of the Investment Bank's advisory and content offering. Associated with these changes, which will be effective 1 January 2020, UBS expects the Investment Bank to incur restructuring expenses of around USD 100 million in the fourth quarter of 2019.

Separately, UBS is continuing to execute on various strategic initiatives across the Group and is considering opportunities that would leverage its technology capabilities, build on its strengths and focus resources on growth areas. These opportunities may include strategic partnerships, additional collaboration across business divisions, evolution of UBS's business models and optimization of UBS's legal entities.

Trend Information

As indicated in the UBS Group Third Quarter 2019 Report, stimulus measures and easing of monetary policy by central banks may help to mitigate slowing global economic growth over the medium term. Geopolitical tensions and trade disputes continue to impact investor confidence. Positive momentum toward resolving these issues would likely improve confidence and the economic outlook. Low and persistent negative interest rates and expectations of further monetary easing will adversely affect net interest income compared with last year. UBS's regional and business diversification, along with actions that UBS is taking, will help to mitigate these headwinds. Recurring revenues should also benefit from higher invested assets. As it executes on its strategy, UBS is balancing investments for growth while managing for efficiency. UBS remains committed to delivering on its capital return objectives and creating sustainable long-term value for UBS shareholders.

Administrative, Management and Supervisory Bodies of UBS AG

UBS AG complies with all relevant Swiss legal and regulatory corporate governance requirements. As a foreign private issuer with debt securities listed on the New York Stock Exchange ("NYSE"), UBS AG also complies with the relevant NYSE corporate governance standards applicable to foreign private issuers.

UBS AG operates under a strict dual board structure, as mandated by Swiss banking law. The Board of Directors ("BoD") exercises the ultimate supervision over management, whereas the Executive Board ("EB"), headed by the President of the Executive Board ("President of the EB"), has executive management responsibility. The functions of Chairman of the BoD and President of the EB are assigned to two different people, ensuring a separation of power. This structure establishes checks and balances and preserves the institutional independence of the BoD from the day-to-day management of

UBS AG, for which responsibility is delegated to the EB under the leadership of the President of the EB. No member of one board may simultaneously be a member of the other.

Supervision and control of the EB remain with the BoD. The authorities and responsibilities of the two bodies are governed by the Articles of Association and the Organization Regulations of UBS AG with their annexes.

Board of Directors

The BoD consists of at least five and no more than twelve members. All the members of the BoD are elected individually by the Annual General Meeting of Shareholders ("AGM") for a term of office of one year, which expires after the completion of the next AGM. Shareholders also elect the Chairman upon proposal of the BoD.

The BoD meets as often as business requires, and at least six times a year.

Members of the Board of Directors:

Member and business address	Title	Term of office	Current principal activities outside UBS AG
Axel A. Weber UBS AG, Bahnhofstrasse 45, CH-8001 Zurich	Chairman	2020	Chairman of the Board of Directors of UBS Group AG; board member of the Swiss Bankers Association; Trustees Board member of Avenir Suisse; Advisory Board member of the "Beirat Zukunft Finanzplatz"; board member of the Swiss Finance Council; Chairman of the board of the Institute of International Finance; member of the European Financial Services Round Table; member of the European Banking Group; member of the International Advisory Councils of the China Banking and Insurance Regulatory Commission and the China Securities Regulatory Commission; member of the International Advisory Panel, Monetary Authority of Singapore; member of the Group of Thirty, Washington, D.C.; Chairman of the Board of Trustees of DIW Berlin; Advisory Board member of the Department of Economics, University of Zurich; member of the Trilateral Commission.
David Sidwell UBS AG, Bahnhofstrasse 45, CH-8001 Zurich	Vice Chairman	2020	Vice Chairman and Senior Independent Director of the Board of Directors of UBS Group AG; Senior Advisor at Oliver Wyman, New York; board member of Chubb Limited; board member of GAVI Alliance; Chairman of the Board of Village Care, New York.
Jeremy Anderson UBS AG, Bahnhofstrasse 45, CH-8001 Zurich	Member	2020	Member of the Board of Directors of UBS Group AG; trustee of the UK's Productivity Leadership Group; trustee of Kingham Hill Trust; trustee of St. Helen Bishopsgate.
William C. Dudley UBS AG, Bahnhofstrasse 45, CH-8001 Zurich	Member	2020	Member of the Board of Directors of UBS Group AG; senior research scholar at the Griswold Center for Economic Policy Studies at Princeton University; member of the Group of Thirty; member of the Council on Foreign Relations.
Reto Francioni UBS AG, Bahnhofstrasse 45, CH-8001 Zurich	Member	2020	Member of the Board of Directors of UBS Group AG; professor at the University of Basel; board member of Coca-Cola HBC AG (Senior Independent Non-Executive Director); Chairman of the board of Swiss International Air Lines AG; board member of MedTech Innovation Partners AG; executive director and member of my TAMAR GmbH.
Fred Hu UBS AG, Bahnhofstrasse 45, CH-8001 Zurich	Member	2020	Member of the Board of Directors of UBS Group AG; non-executive chairman of the board of Yum China Holdings; board member of ICBC; board member of Hong Kong Exchanges and Clearing Ltd.; founder and chairman of Primavera Capital Group; board member of China Asset Management; board member of Minsheng Financial Leasing Co.; trustee of the China Medical Board; Governor of the Chinese International School; co-chairman of the Nature Conservancy Asia Pacific Council; director and member of the Executive Committee of China Venture Capital and Private Equity Association Ltd.; Global Advisory Board member of the Council on Foreign Relations.
Julie G. Richardson	Member	2020	Member of the Board of Directors of UBS Group AG; board member of The Hartford Financial Services Group, Inc. (chairman of the audit committee); board member of Yext (chairman of the audit committee); board member of

UBS AG, Bahnhofstrasse 45, CH-8001 Zurich			Vereit, Inc. (chairman of the compensation committee); board member of Datalog.
Isabelle Romy	Member	2020	Member of the Board of Directors of UBS Group AG; partner and board member at Froriep Legal AG; professor at the University of Fribourg and at the Federal Institute of Technology, Lausanne; board member of Central Real Estate Holding AG (Zurich); board member of Central Real Estate Basel AG; Vice Chairman of the Sanction Commission of SIX Swiss Exchange; member of the Fundraising Committee of the Swiss National Committee for UNICEF; Supervisory Board member of the CAS program Financial Regulation of the University of Bern and University of Geneva.
UBS AG, Bahnhofstrasse 45, CH-8001 Zurich			
Robert W. Scully	Member	2020	Member of the Board of Directors of UBS Group AG; board member of Chubb Limited (chairperson of the audit committee); board member of Zoetis Inc.; board member of KKR & Co Inc.; board member of Teach For All.
UBS AG, Bahnhofstrasse 45, CH-8001 Zurich			
Beatrice Weder di Mauro	Member	2020	Member of the Board of Directors of UBS Group AG; Research Professor and Distinguished Fellow at INSEAD in Singapore; Supervisory Board member of Robert Bosch GmbH; board member of Bombardier Inc.; member of the ETH Zurich Foundation Board of Trustees; member of the Foundation Board of the International Center for Monetary and Banking Studies (ICMB).
UBS AG, Bahnhofstrasse 45, CH-8001 Zurich			
Dieter Wemmer	Member	2020	Member of the Board of Directors of UBS Group AG; board member of Ørsted A/S; member of the Berlin Center of Corporate Governance.
UBS AG, Bahnhofstrasse 45, CH-8001 Zurich			
Jeanette Wong	Member	2020	Member of the Board of Directors of UBS Group AG; board member of Essilor International and EssilorLuxottica; board member of Jurong Town Corporation; board member of PSA International; board member of FFMC Holdings Pte. Ltd.; board member of Fullerton Fund Management Company Ltd.; member of the NUS Business School Management Advisory Board; member of the Global Advisory Board, Asia, University of Chicago Booth School of Business; member of the Securities Industry Council.
UBS AG, Bahnhofstrasse 45, CH-8001 Zurich			

Organisational principles and structure

Following each AGM, the BoD meets to appoint one or more Vice Chairmen, BoD committee members, and their respective Chairpersons. At the same meeting, the BoD appoints a Company Secretary, who acts as secretary to the BoD and its committees.

The BoD committees comprise the Audit Committee, the Compensation Committee and the Risk Committee. The BoD may set up other committees, including so-called ad hoc committees, if it deems such other committees appropriate or necessary.

Audit Committee

The Audit Committee ("AC") consists of five BoD members, all of whom were determined by the BoD to be fully independent. As a group, members of the Audit Committee must have the necessary qualifications and skills to perform all of their duties and together must possess financial literacy and experience in banking and risk management.

The AC itself does not perform audits, but monitors the work of the external auditors who in turn are responsible for auditing UBS AG's consolidated and standalone annual financial statements and for reviewing the quarterly financial statements.

The function of the AC is to serve as an independent and objective body with oversight of: (i) UBS AG's accounting policies, financial reporting and disclosure controls and procedures, (ii) the quality, adequacy and scope of external audit, (iii) UBS AG's compliance with financial reporting requirements, (iv) the executives' approach to internal controls with respect to the production and integrity of the financial statements and disclosure of the financial performance, and (v) the performance of Internal Audit in conjunction with the Chairman of the BoD.

Together with the external auditors and Internal Audit, the AC in particular reviews the annual financial statements of UBS AG and, where applicable, the quarterly financial statements as well as

the consolidated annual and quarterly financial statements and consolidated annual report of UBS AG, as proposed by management, in order to recommend their approval to the BoD or propose any adjustments the AC considers appropriate.

Periodically, and at least annually, the AC assesses the qualifications, expertise, effectiveness, independence and performance of the external auditors and their lead audit partner, in order to support the BoD in reaching a decision in relation to the appointment or dismissal of the external auditors and to the rotation of the lead audit partner. The BoD then submits these proposals to the shareholders for approval at the AGM.

The members of the AC are Jeremy Anderson (Chairperson), Isabelle Romy, Beatrice Weder di Mauro, Dieter Wemmer and Jeanette Wong.

Executive Board ("EB")

Under the leadership of the President of the EB, the EB has executive management responsibility for UBS AG and its business. All EB members (with the exception of the President of the EB) are proposed by the President of the EB. The appointments are made by the BoD.

Members of the Executive Board:

Member and business address	Function	Current principal activities outside UBS AG
Sergio P. Ermotti UBS AG, Bahnhofstrasse 45, CH-8001 Zurich	President of the Executive Board	Member of the Group Executive Board and Group Chief Executive Officer of UBS Group AG; board member of UBS Switzerland AG; Chairman of the UBS Optimus Foundation board; Chairman of the Fondazione Ermotti, Lugano; board member of the Swiss-American Chamber of Commerce; board member of the Global Apprenticeship Network; member of the Institut International D'Etudes Bancaires; member of the Saïd Business School Global Leadership Council, University of Oxford.
Christian Bluhm UBS AG, Bahnhofstrasse 45, CH-8001 Zurich	Chief Risk Officer	Member of the Group Executive Board and Group Chief Risk Officer of UBS Group AG; board member of UBS Switzerland AG; chairman of the Foundation Board – International Financial Risk Institute.
Markus U. Diethelm UBS AG, Bahnhofstrasse 45, CH-8001 Zurich	General Counsel	Member of the Group Executive Board and Group General Counsel of UBS Group AG; chairman of the Swiss-American Chamber of Commerce's legal committee; Chairman of the Swiss Advisory Council of the American Swiss Foundation; member of the Foundation Council of the UBS International Center of Economics in Society; member of the Supervisory Board of the Fonds de Dotation LUMA / Arles.
Kirt Gardner UBS AG, Bahnhofstrasse 45, CH-8001 Zurich	Chief Financial Officer	Member of the Group Executive Board and Group Chief Financial Officer of UBS Group AG; board member of UBS Business Solutions AG.
Suni Harford UBS AG, 1285 Avenue of the Americas, New York, NY 10019 USA	President Asset Management	Member of the Executive Board, President Asset Management of UBS Group AG; chairman of the Board of Directors of UBS Asset Management AG; member of the Leadership Council of the Bob Woodruff Foundation; member of the UBS Optimus Foundation Board.
Robert Karofsky UBS AG, 1285 Avenue of the Americas, New York, NY 10019, USA	Co-President Investment Bank	Member of the Group Executive Board and co-President Investment Bank of UBS Group AG; president and board member of UBS Securities LLC; trustee of the UBS Americas Inc. Political Action Committee.
Sabine Keller-Busse UBS AG, Bahnhofstrasse 45, CH-8001 Zurich	Chief Operating Officer and President UBS Europe, Middle East and Africa	Member of the Group Executive Board, Group Chief Operating Officer and President UBS Europe, Middle East and Africa of UBS Group AG; member of the Supervisory Board of UBS Europe SE; board member of UBS Business Solutions AG; vice-chairman of the Board of Directors of SIX Group

		(Chairman of the nomination & compensation committee); Foundation Board member of the UBS Pension Fund; board member of the University Hospital Zurich Foundation.
Iqbal Khan UBS AG, Bahnhofstrasse 45, CH-8001 Zurich	Co-President Global Wealth Management	Member of the Executive Board and co-President Global Wealth Management of UBS Group AG; board member of Room To Read Switzerland.
Edmund Koh UBS AG, One Raffles Quay North Tower, Singapore 048583	President UBS Asia Pacific	Member of the Group Executive Board and President UBS Asia Pacific of UBS Group AG; member of the Wealth Management Institute at Nanyang Technological University Singapore; member of the Ministry of Finance's Committee on the Future Economy Sub-Committees; member of the Board of Next50 Limited; trustee of the Cultural Matching Fund; board member of Medico Suites (S) Pte Ltd; board member of Medico Republic (S) Pte Ltd.
Tom Naratil UBS AG, 1285 Avenue of the Americas, New York, NY 10019 USA	Co-President Global Wealth Management and President UBS Americas	Member of the Group Executive Board and co-President Global Wealth Management and President UBS Americas of UBS Group AG; CEO and board member of UBS Americas Holding LLC; board member of the American Swiss Foundation; member of the Board of Consultants for the College of Nursing at Villanova University.
Piero Novelli UBS AG, Bahnhofstrasse 45, CH-8001 Zurich	Co-President Investment Bank	Member of the Group Executive Board and co-President Investment Bank of UBS Group AG.
Markus Ronner UBS AG, Bahnhofstrasse 45, CH-8001 Zurich	Chief Compliance and Governance Officer	Member of the Group Executive Board and Group Chief Compliance and Governance Officer of UBS Group AG.

Potential Conflicts of Interest

Members of the BoD and the EB may act as directors or executive officers of other companies (for current principal positions outside UBS AG, if any, of BoD and EB members, please see sections 4.1.1 and 4.2.1 above, respectively) and may have economic or other private interests that differ from those of UBS AG. Conflicts of interest may potentially arise from these positions or interests. For example, it cannot be excluded that a member of the BoD or EB has or will have a function within a company, the shares of which are or will be traded by UBS AG or which has or will have a business relationship with UBS AG. UBS AG is confident that its internal corporate governance practices and its compliance with relevant legal and regulatory provisions reasonably ensure that any conflicts of interest of the type described above are appropriately managed, including through disclosure when appropriate.

Major Shareholders

UBS Group AG owns 100% of the outstanding shares of UBS AG.

Financial Information concerning the Issuer's Assets and Liabilities, Financial Position and Profits and Losses

Historical Annual Financial Information

Detailed information about UBS AG consolidated and UBS AG assets and liabilities, financial position and profits and losses for financial year 2018 is available in the section "UBS AG consolidated financial statements" of the Annual Report 2018 and in the UBS AG's standalone financial statements for the year ended 31 December 2018 (the "Standalone Financial Statements 2018"), respectively; and for financial year 2017 it is available in the "Consolidated financial statements" section of the UBS Group AG and UBS AG annual report 2017, published on 9 March 2018 ("Annual Report 2017") and in the UBS AG's standalone financial statements for the year ended 31 December 2017 (the "Standalone Financial Statements 2017"). The consolidated and standalone financial accounts are closed on 31 December of each year.

With respect to the financial year 2018, reference is made to:

- (i) the following parts of the Annual Report 2018: the UBS AG consolidated financial statements, in particular to the Income statement on page 524, the Balance sheet on page 527, the Statement of changes in equity on pages 528-531 (inclusive), the Statement of cash flows on pages 533-534 (inclusive) and the Notes to the consolidated financial statements on pages 535-722 (inclusive); and
- (ii) the following parts of the Standalone Financial Statements 2018: the Income statement on page 1, the Balance sheet on pages 2-3 (inclusive), the Statement of appropriation of total profit / (loss) carried forward on page 5, and the Notes to the UBS AG standalone financial statements on pages 6-28 (inclusive).

With respect to the financial year 2017, reference is made to:

- (i) the following parts of the Annual Report 2017: the UBS AG consolidated financial statements, in particular to the Income statement on page 470, the Balance sheet on page 473, the Statement of changes in equity on pages 474-477 (inclusive), the Statement of cash flows on pages 479-480 (inclusive) and the Notes to the consolidated financial statements on pages 481-622 (inclusive); and
- (ii) the following parts of the Standalone Financial Statements 2017: the Income statement on page 1, the Balance sheet on pages 2-3, the Statement of appropriation of retained earnings and proposed dividend distribution on page 4, and the Notes to the UBS AG standalone financial statements on pages 5-22 (inclusive).

The annual financial reports form an essential part of UBS AG's reporting. They include the audited consolidated financial statements of UBS AG, prepared in accordance with International Financial Reporting Standards, as issued by the International Accounting Standards Board. The annual reports also include discussions and analysis of the consolidated financial and business results of UBS, its business divisions and the Corporate Center. In addition, UBS AG prepares and publishes standalone financial statements in accordance with Swiss GAAP, as well as certain additional disclosures required under US Securities and Exchange Commission regulations.

Auditing of Historical Annual Financial Information

The consolidated financial statements and the standalone financial statements of UBS AG for financial years 2018 and 2017 were audited by Ernst & Young. The reports of the auditors on the consolidated financial statements can be found on pages 514-523 (inclusive) of the Annual Report 2018 and on pages 464-469 (inclusive) of the Annual Report 2017. The reports of the auditors on the standalone financial statements of UBS AG can be found on pages 29-33 (inclusive) of the Standalone Financial Statements 2018 and on pages 23-26 (inclusive) of the Standalone Financial Statements 2017.

There are no qualifications in the auditors' reports on the consolidated financial statements of UBS AG and the standalone financial statements of UBS AG for the years ended on 31 December 2018 and 31 December 2017, which are incorporated by reference into this document.

Interim Financial Information

Reference is also made to (i) the UBS Group AG first quarter 2019 report published on 25 April 2019 ("UBS Group First Quarter 2019 Report"), and the UBS AG first quarter 2019 report published on 30 April 2019 ("UBS AG First Quarter 2019 Report"), which contain information on the financial condition and results of operations, including the interim financial statements, of UBS Group AG consolidated and UBS AG consolidated, respectively, as of and for the period ended 31 March 2019; to (ii) the UBS Group AG second quarter 2019 report published on 23 July 2019 ("UBS Group Second Quarter 2019 Report") and the UBS AG second quarter 2019 report, published on 26 July 2019 ("UBS AG Second Quarter 2019 Report"), which contain information on the financial condition and results of operations, including the interim financial statements, of UBS Group AG consolidated and UBS AG consolidated, respectively, as of and for the period ended 30 June 2019; and to (iii) the UBS Group AG third quarter 2019 report published on 22 October 2019 ("UBS Group Third Quarter 2019 Report") and the UBS AG third quarter 2019 report, published on 25 October 2019 ("UBS AG Third Quarter 2019 Report"), which contain information on the financial condition and results of operations, including the interim financial statements, of UBS Group AG consolidated and UBS AG consolidated, respectively, as of and for the period ended 30 September 2019. The interim consolidated financial statements are not audited.

Litigation, Regulatory and Similar Matters

UBS operates in a legal and regulatory environment that exposes it to significant litigation and similar risks arising from disputes and regulatory proceedings. As a result, UBS (which for purposes of this section may refer to UBS AG and / or one or more of its subsidiaries, as applicable) is involved in various disputes and legal proceedings, including litigation, arbitration, and regulatory and criminal investigations.

Such matters are subject to many uncertainties, and the outcome and the timing of resolution are often difficult to predict, particularly in the earlier stages of a case. There are also situations where UBS may enter into a settlement agreement. This may occur in order to avoid the expense, management distraction or reputational implications of continuing to contest liability, even for those matters for which UBS believes it should be exonerated. The uncertainties inherent in all such matters affect the amount and timing of any potential outflows for both matters with respect to which provisions have been established and other contingent liabilities. UBS makes provisions for such matters brought against it when, in the opinion of management after seeking legal advice, it is more likely than not that UBS has a present legal or constructive obligation as a result of past events, it is probable that an outflow of resources will be required, and the amount can be reliably estimated. Where these factors are otherwise satisfied, a provision may be established for claims that have not yet been asserted against UBS, but are nevertheless expected to be, based on UBS's experience with similar asserted claims. If any of those conditions is not met, such matters result in contingent liabilities. If the amount of an obligation cannot be reliably estimated, a liability exists that is not recognized even if an outflow of resources is probable. Accordingly, no provision is established even if the potential outflow of resources with respect to such matters could be significant. Developments relating to a matter that occur after the relevant reporting period, but prior to the issuance of financial statements, which affect management's assessment of the provision for such matter (because, for example, the developments provide evidence of conditions that existed at the end of the reporting period), are adjusting events after the reporting period under IAS 10 and must be recognized in the financial statements for the reporting period.

Specific litigation, regulatory and other matters are described below, including all such matters that management considers to be material and others that management believes to be of significance due to potential financial, reputational and other effects. The amount of damages claimed, the size of a transaction or other information is provided where available and appropriate in order to assist users in considering the magnitude of potential exposures.

In the case of certain matters below, UBS states that it has established a provision, and for the other matters, it makes no such statement. When UBS makes this statement and it expects disclosure of the amount of a provision to prejudice seriously its position with other parties in the matter because it would reveal what UBS believes to be the probable and reliably estimable outflow, UBS does not disclose that amount. In some cases UBS is subject to confidentiality obligations that preclude such disclosure. With respect to the matters for which UBS does not state whether it has established a provision, either (a) it has not established a provision, in which case the matter is treated as a contingent liability under the applicable accounting standard; or (b) it has established a provision but expects disclosure of that fact to prejudice seriously its position with other parties in the matter because it would reveal the fact that UBS believes an outflow of resources to be probable and reliably estimable.

With respect to certain litigation, regulatory and similar matters for which UBS has established provisions, UBS is able to estimate the expected timing of outflows. However, the aggregate amount of the expected outflows for those matters for which it is able to estimate expected timing is immaterial relative to its current and expected levels of liquidity over the relevant time periods.

The aggregate amount provisioned for litigation, regulatory and similar matters as a class is disclosed in "Note 15a Provisions" of the UBS AG's interim consolidated financial statements included in the UBS AG Third Quarter 2019 Report. It is not practicable to provide an aggregate estimate of liability for UBS's litigation, regulatory and similar matters as a class of contingent liabilities. Doing so would require UBS to provide speculative legal assessments as to claims and proceedings that involve unique fact patterns or novel legal theories, that have not yet been initiated or are at early stages of adjudication, or as to which alleged damages have not been quantified by the claimants. Although it therefore cannot provide a numerical estimate of the future losses that could arise from litigation, regulatory and similar matters, UBS believes that the aggregate amount of possible future losses from this class that are more than remote substantially exceeds the level of current provisions. Litigation, regulatory and similar matters may also result in non-monetary penalties and consequences. For example, the non-prosecution agreement described in item 5 of this section, which UBS entered into with the US Department of Justice ("DOJ"), Criminal Division, Fraud Section in connection with UBS's submissions of benchmark interest rates, including, among others, the British Bankers' Association London Interbank Offered Rate ("LIBOR"), was terminated by the DOJ based on its determination that UBS had committed a US crime in relation to foreign exchange matters. As a consequence, UBS AG pleaded guilty to one count of wire fraud for conduct in the LIBOR matter, paid a fine and is subject to probation through January 2020. A guilty plea to, or conviction of, a crime could have material consequences for UBS. Resolution of regulatory proceedings may require UBS to obtain waivers of regulatory disqualifications to maintain certain operations, may entitle regulatory authorities to limit, suspend or terminate licenses and regulatory authorizations and may permit financial market utilities to limit, suspend or terminate UBS's participation in such utilities. Failure to obtain such waivers, or any limitation, suspension or termination of licenses, authorizations or participations, could have material consequences for UBS.

The risk of loss associated with litigation, regulatory and similar matters is a component of operational risk for purposes of determining UBS's capital requirements. Information concerning UBS's capital requirements and the calculation of operational risk for this purpose is included in the "Capital management" section of the UBS Group Third Quarter 2019 Report.

Provisions for litigation, regulatory and similar matters by business division and in Corporate Center¹

<i>USD million</i>	Global Wealth Manage- ment	Personal & Corporate Banking	Asset Manage- ment	Investme nt Bank	Corporat e Center	UBS
Balance as of 31 December 2018	1,003	117	0	269	1,438	2,827
Balance as of 30 June 2019	858	114	0	202	1,334	2,509
Increase in provisions recognized in the income statement	71	0	0	0	0	72
Release of provisions recognized in the income statement	(1)	0	0	0	(4)	(4)
Provisions used in conformity with designated purpose	(42)	(1)	0	0	(1)	(44)
Foreign currency translation / unwind of discount	(20)	(4)	0	(5)	(1)	(29)

Balance as of 30 September 2019	867	110	0	197	1,329	2,503
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1 Provisions, if any, for the matters described in this section are recorded in Global Wealth Management (item 3, item 4 and item 7) and Corporate Center (item 2). Provisions, if any, for the matters described in items 1 and 6 of this section are allocated between Global Wealth Management and Personal & Corporate Banking, and provisions, if any, for the matters described in this section in item 5 are allocated between the Investment Bank and Corporate Center.

1. Inquiries regarding cross-border wealth management businesses

Tax and regulatory authorities in a number of countries have made inquiries, served requests for information or examined employees located in their respective jurisdictions relating to the cross-border wealth management services provided by UBS and other financial institutions. It is possible that the implementation of automatic tax information exchange and other measures relating to cross-border provision of financial services could give rise to further inquiries in the future. UBS has received disclosure orders from the Swiss Federal Tax Administration ("FTA") to transfer information based on requests for international administrative assistance in tax matters. The requests concern a number of UBS account numbers pertaining to current and former clients and are based on data from 2006 and 2008. UBS has taken steps to inform affected clients about the administrative assistance proceedings and their procedural rights, including the right to appeal. The requests are based on data received from the German authorities, who seized certain data related to UBS clients booked in Switzerland during their investigations and have apparently shared this data with other European countries. UBS expects additional countries to file similar requests.

The Swiss Federal Administrative Court ruled in 2016 that, in the administrative assistance proceedings related to a French bulk request, UBS has the right to appeal all final FTA client data disclosure orders. On 30 July 2018, the Swiss Federal Administrative Court granted UBS's appeal by holding the French administrative assistance request inadmissible. The FTA filed a final appeal with the Swiss Federal Supreme Court. The Supreme Court on 26 July 2019, reversed the decision of the Federal Administrative Court. The judges also stated that the FTA must ensure that the French authorities respect the principle of "speciality", which requires the information furnished may only be used for the purposes specified in the request.

Since 2013, UBS (France) S.A., UBS AG and certain former employees have been under investigation in France for alleged complicity in unlawful solicitation of clients on French territory, regarding the laundering of proceeds of tax fraud, and banking and financial solicitation by unauthorized persons. In connection with this investigation, the investigating judges ordered UBS AG to provide bail ("caution") of EUR 1.1 billion and UBS (France) S.A. to post bail of EUR 40 million, which was reduced on appeal to EUR 10 million.

A trial in the court of first instance took place from 8 October 2018 until 15 November 2018. On 20 February 2019, the court announced a verdict finding UBS AG guilty of unlawful solicitation of clients on French territory and aggravated laundering of the proceeds of tax fraud, and UBS France S.A. guilty of aiding and abetting unlawful solicitation and laundering the proceeds of tax fraud. The court imposed fines aggregating EUR 3.7 billion on UBS AG and UBS France S.A. and awarded EUR 800 million of civil damages to the French state. UBS has appealed the decision. Under French law, the judgment is suspended while the appeal is pending. The Court of Appeal will retry the case de novo as to both the law and the facts, and the fines and penalties can be greater than or less than those imposed by the court of first instance. A subsequent appeal to the Cour de Cassation, France's highest court, is possible with respect to questions of law.

UBS believes that based on both the law and the facts the judgment of the court of first instance should be reversed. UBS believes it followed its obligations under Swiss and French law as well as the European Savings Tax Directive. Even assuming liability, which it contests, UBS believes the penalties and damage amounts awarded greatly exceed the amounts that could be supported by the law and the facts. In particular, UBS believes the court incorrectly based the penalty on the total regularized assets rather than on any unpaid taxes on those assets for which a fraud has been characterized and further incorrectly awarded damages based on costs that were not proven by the civil party. Notwithstanding that UBS believes it should be acquitted, its balance sheet at 30 September 2019 reflected provisions with respect to this matter in an amount of USD 516 million. The wide range of possible outcomes in this case contributes to a high degree of estimation uncertainty. The provision reflected on UBS's balance sheet at 30 September 2019

reflects its best estimate of possible financial implications, although it is reasonably possible that actual penalties and civil damages could exceed the provision amount.

In 2016, UBS was notified by the Belgian investigating judge that it is under formal investigation ("inculpé") regarding the laundering of proceeds of tax fraud, of banking and financial solicitation by unauthorized persons, and of serious tax fraud. In 2018, tax authorities and a prosecutor's office in Italy asserted that UBS is potentially liable for taxes and penalties as a result of its activities in Italy from 2012 to 2017. In June 2019, UBS entered into a settlement agreement with the Italian tax authorities under which it paid EUR 101 million to resolve the claims asserted by the authority related to UBS AG's potential permanent establishment in Italy. In October 2019, the Judge of Preliminary Investigations of the Milan Court approved an agreement with the Milan prosecutor under Article 63 of Italian Administrative Law 231 under which UBS AG, UBS Switzerland AG and UBS Monaco will pay an aggregate of EUR 10.3 million to resolve claims premised on the alleged inadequacy of historical internal controls. No admission of wrongdoing was required in connection with this resolution.

UBS's balance sheet at 30 September 2019 reflected provisions with respect to matters described in this item 1 in an amount that UBS believes to be appropriate under the applicable accounting standard. As in the case of other matters for which UBS has established provisions, the future outflow of resources in respect of such matters cannot be determined with certainty based on currently available information and accordingly may ultimately prove to be substantially greater (or may be less) than the provision that UBS has recognized.

2. Claims related to sales of residential mortgage-backed securities and mortgages

From 2002 through 2007, prior to the crisis in the US residential loan market, UBS was a substantial issuer and underwriter of US residential mortgage-backed securities ("RMBS") and was a purchaser and seller of US residential mortgages. A subsidiary of UBS, UBS Real Estate Securities Inc. ("UBS RESI"), acquired pools of residential mortgage loans from originators and (through an affiliate) deposited them into securitization trusts. In this manner, from 2004 through 2007, UBS RESI sponsored approximately USD 80 billion in RMBS, based on the original principal balances of the securities issued.

UBS RESI also sold pools of loans acquired from originators to third-party purchasers. These whole loan sales during the period 2004 through 2007 totalled approximately USD 19 billion in original principal balance.

UBS was not a significant originator of US residential loans. A branch of UBS originated approximately USD 1.5 billion in US residential mortgage loans during the period in which it was active from 2006 to 2008 and securitized less than half of these loans.

Lawsuits related to contractual representations and warranties concerning mortgages and RMBS: When UBS acted as an RMBS sponsor or mortgage seller, it generally made certain representations relating to the characteristics of the underlying loans. In the event of a material breach of these representations, UBS was in certain circumstances contractually obligated to repurchase the loans to which the representations related or to indemnify certain parties against losses. In 2012, certain RMBS trusts filed an action in the US District Court for the Southern District of New York seeking to enforce UBS RESI's obligation to repurchase loans in the collateral pools for three RMBS securitizations issued and underwritten by UBS with an original principal balance of approximately USD 2 billion. In July 2018, UBS and the trustee entered into an agreement under which UBS will pay USD 850 million to resolve this matter. A significant portion of this amount will be borne by other parties that indemnified UBS. The settlement remains subject to court approval and proceedings to determine how the settlement funds will be distributed to RMBS holders. After giving effect to this settlement, UBS considers claims relating to substantially all loan repurchase demands to be resolved and believes that new demands to repurchase US residential mortgage loans are time-barred under a decision rendered by the New York Court of Appeals.

Mortgage-related regulatory matters: Since 2014, the US Attorney's Office for the Eastern District of New York has sought information from UBS pursuant to the Financial Institutions Reform, Recovery and Enforcement Act of 1989 ("FIRREA"), related to UBS's RMBS business from 2005 through 2007. On 8 November 2018, the DOJ filed a civil complaint in the District Court for the Eastern District of New York. The complaint seeks unspecified civil monetary penalties under

FIRREA related to UBS's issuance, underwriting and sale of 40 RMBS transactions in 2006 and 2007. UBS moved to dismiss the civil complaint on 6 February 2019.

UBS's balance sheet at 30 September 2019 reflected a provision with respect to matters described in this item 2 in an amount that UBS believes to be appropriate under the applicable accounting standard. As in the case of other matters for which UBS has established provisions, the future outflow of resources in respect of this matter cannot be determined with certainty based on currently available information and accordingly may ultimately prove to be substantially greater (or may be less) than the provision that UBS has recognized.

3. Madoff

In relation to the Bernard L. Madoff Investment Securities LLC ("BMIS") investment fraud, UBS AG, UBS (Luxembourg) S.A. (now UBS Europe SE, Luxembourg branch) and certain other UBS subsidiaries have been subject to inquiries by a number of regulators, including FINMA and the Luxembourg Commission de Surveillance du Secteur Financier. Those inquiries concerned two third-party funds established under Luxembourg law, substantially all assets of which were with BMIS, as well as certain funds established in offshore jurisdictions with either direct or indirect exposure to BMIS. These funds faced severe losses, and the Luxembourg funds are in liquidation. The documentation establishing both funds identifies UBS entities in various roles, including custodian, administrator, manager, distributor and promoter, and indicates that UBS employees serve as board members.

In 2009 and 2010, the liquidators of the two Luxembourg funds filed claims against UBS entities, non-UBS entities and certain individuals, including current and former UBS employees, seeking amounts totalling approximately EUR 2.1 billion, which includes amounts that the funds may be held liable to pay the trustee for the liquidation of BMIS ("BMIS Trustee").

A large number of alleged beneficiaries have filed claims against UBS entities (and non-UBS entities) for purported losses relating to the Madoff fraud. The majority of these cases have been filed in Luxembourg, where decisions that the claims in eight test cases were inadmissible have been affirmed by the Luxembourg Court of Appeal, and the Luxembourg Supreme Court has dismissed a further appeal in one of the test cases.

In the US, the BMIS Trustee filed claims against UBS entities, among others, in relation to the two Luxembourg funds and one of the offshore funds. The total amount claimed against all defendants in these actions was not less than USD 2 billion. In 2014, the US Supreme Court rejected the BMIS Trustee's motion for leave to appeal decisions dismissing all claims except those for the recovery of approximately USD 125 million of payments alleged to be fraudulent conveyances and preference payments. In 2016, the bankruptcy court dismissed these claims against the UBS entities. The BMIS Trustee appealed. In February 2019, the Court of Appeals reversed the dismissal of the BMIS Trustee's remaining claims. In August 2019, the defendants, including UBS, filed a petition to the US Supreme Court requesting that it review the Court of Appeals' decision. The bankruptcy proceedings have been stayed pending a decision with respect to that petition.

4. Puerto Rico

Declines since 2013 in the market prices of Puerto Rico municipal bonds and of closed-end funds ("funds") that are sole-managed and co-managed by UBS Trust Company of Puerto Rico and distributed by UBS Financial Services Incorporated of Puerto Rico ("UBS PR") have led to multiple regulatory inquiries, as well as customer complaints and arbitrations with aggregate claimed damages of USD 3.4 billion, of which claims with aggregate claimed damages of USD 2.4 billion have been resolved through settlements, arbitration or withdrawal of the claim. The claims have been filed by clients in Puerto Rico who own the funds or Puerto Rico municipal bonds and / or who used their UBS account assets as collateral for UBS non-purpose loans; customer complaint and arbitration allegations include fraud, misrepresentation and unsuitability of the funds and of the loans.

A shareholder derivative action was filed in 2014 against various UBS entities and current and certain former directors of the funds, alleging hundreds of millions of US dollars in losses in the funds. In 2015, defendants' motion to dismiss was denied and a request for permission to appeal that ruling was denied by the Puerto Rico Supreme Court. In 2014, a federal class action complaint also was filed against various UBS entities, certain members of UBS PR senior management and the co-manager of certain of the funds, seeking damages for investor losses in

the funds during the period from May 2008 through May 2014. Following denial of the plaintiffs' motion for class certification, the case was dismissed in October 2018.

In 2014 and 2015, UBS entered into settlements with the Office of the Commissioner of Financial Institutions for the Commonwealth of Puerto Rico, the US Securities and Exchange Commission (SEC) and the Financial Industry Regulatory Authority in relation to their examinations of UBS's operations.

In 2011, a purported derivative action was filed on behalf of the Employee Retirement System of the Commonwealth of Puerto Rico ("System") against over 40 defendants, including UBS PR, which was named in connection with its underwriting and consulting services. Plaintiffs alleged that defendants violated their purported fiduciary duties and contractual obligations in connection with the issuance and underwriting of USD 3 billion of bonds by the System in 2008 and sought damages of over USD 800 million. In 2016, the court granted the System's request to join the action as a plaintiff, but ordered that plaintiffs must file an amended complaint. In 2017, the court denied defendants' motion to dismiss the amended complaint.

Beginning in 2015, and continuing through 2017, certain agencies and public corporations of the Commonwealth of Puerto Rico ("Commonwealth") defaulted on certain interest payments on Puerto Rico bonds. In 2016, US federal legislation created an oversight board with power to oversee Puerto Rico's finances and to restructure its debt. The oversight board has imposed a stay on the exercise of certain creditors' rights. In 2017, the oversight board placed certain of the bonds into a bankruptcy-like proceeding under the supervision of a Federal District Judge. These events, further defaults or any further legislative action to create a legal means of restructuring Commonwealth obligations or to impose additional oversight on the Commonwealth's finances, or any restructuring of the Commonwealth's obligations, may increase the number of claims against UBS concerning Puerto Rico securities, as well as potential damages sought.

In May 2019, the oversight board filed complaints in Puerto Rico federal district court bringing claims against financial, legal and accounting firms that had participated in Puerto Rico municipal bond offerings, including UBS, seeking a return of underwriting and swap fees paid in connection with those offerings. UBS estimates that it received approximately USD 125 million in fees in the relevant offerings.

In August 2019, two US insurance companies that insured issues of Puerto Rico municipal bonds sued UBS and seven other underwriters of Puerto Rico municipal bonds, alleging an aggregate of USD 720 million in damages from the defendants. The plaintiffs allege that defendants failed to reasonably investigate financial statements in the offering materials for the insured Puerto Rico bonds issued between 2002 and 2007, which plaintiffs allege they relied upon in agreeing to insure the bonds notwithstanding that they had no contractual relationship with the underwriters.

UBS's balance sheet at 30 September 2019 reflected provisions with respect to matters described in this item 4 in amounts that UBS believes to be appropriate under the applicable accounting standard. As in the case of other matters for which UBS has established provisions, the future outflow of resources in respect of such matters cannot be determined with certainty based on currently available information and accordingly may ultimately prove to be substantially greater (or may be less) than the provisions that UBS has recognized.

5. Foreign exchange, LIBOR and benchmark rates, and other trading practices

Foreign exchange-related regulatory matters: Beginning in 2013, numerous authorities commenced investigations concerning possible manipulation of foreign exchange markets and precious metals prices. In 2014 and 2015, UBS reached settlements with the UK Financial Conduct Authority ("FCA") and the US Commodity Futures Trading Commission ("CFTC") in connection with their foreign exchange investigations, FINMA issued an order concluding its formal proceedings relating to UBS's foreign exchange and precious metals businesses, and the Board of Governors of the Federal Reserve System (Federal Reserve Board) and the Connecticut Department of Banking issued a Cease and Desist Order and assessed monetary penalties against UBS AG. In 2015, the DOJ's Criminal Division terminated the 2012 non-prosecution agreement with UBS AG related to UBS's submissions of benchmark interest rates, and UBS AG pleaded guilty to one count of wire fraud, paid a fine and is subject to probation through January 2020. In 2019 the European Commission announced two decisions with respect to foreign exchange trading. UBS was granted immunity by the European Commission in these matters and therefore was not fined. UBS has ongoing

obligations to cooperate with these authorities and to undertake certain remediation measures. UBS has also been granted conditional immunity by the Antitrust Division of the DOJ and by authorities in other jurisdictions in connection with potential competition law violations relating to foreign exchange and precious metals businesses. Investigations relating to foreign exchange matters by certain authorities remain ongoing notwithstanding these resolutions.

Foreign exchange-related civil litigation: Putative class actions have been filed since 2013 in US federal courts and in other jurisdictions against UBS and other banks on behalf of putative classes of persons who engaged in foreign currency transactions with any of the defendant banks. UBS has resolved US federal court class actions relating to foreign currency transactions with the defendant banks and persons who transacted in foreign exchange futures contracts and options on such futures under a settlement agreement that provides for UBS to pay an aggregate of USD 141 million and provide cooperation to the settlement classes. Certain class members have excluded themselves from that settlement and have filed individual actions in US and English courts against UBS and other banks, alleging violations of US and European competition laws and unjust enrichment.

In 2015, a putative class action was filed in federal court against UBS and numerous other banks on behalf of persons and businesses in the US who directly purchased foreign currency from the defendants and alleged co-conspirators for their own end use. In March 2017, the court granted UBS's (and the other banks') motions to dismiss the complaint. The plaintiffs filed an amended complaint in August 2017. In March 2018, the court denied the defendants' motions to dismiss the amended complaint.

In 2017, two putative class actions were filed in federal court in New York against UBS and numerous other banks on behalf of persons and entities who had indirectly purchased foreign exchange instruments from a defendant or co-conspirator in the US, and a consolidated complaint was filed in June 2017. In March 2018, the court dismissed the consolidated complaint. In October 2018, the court granted plaintiffs' motion seeking leave to file an amended complaint.

LIBOR and other benchmark-related regulatory matters: Numerous government agencies, including the SEC, the CFTC, the DOJ, the FCA, the UK Serious Fraud Office, the Monetary Authority of Singapore, the Hong Kong Monetary Authority, FINMA, various state attorneys general in the US and competition authorities in various jurisdictions have conducted investigations regarding potential improper attempts by UBS, among others, to manipulate LIBOR and other benchmark rates at certain times. UBS reached settlements or otherwise concluded investigations relating to benchmark interest rates with the investigating authorities. UBS has ongoing obligations to cooperate with the authorities with whom UBS has reached resolutions and to undertake certain remediation measures with respect to benchmark interest rate submissions. UBS has been granted conditional leniency or conditional immunity from authorities in certain jurisdictions, including the Antitrust Division of the DOJ and the Swiss Competition Commission ("WEKO"), in connection with potential antitrust or competition law violations related to certain rates. However, UBS has not reached a final settlement with WEKO, as the Secretariat of WEKO has asserted that UBS does not qualify for full immunity.

LIBOR and other benchmark-related civil litigation: A number of putative class actions and other actions are pending in the federal courts in New York against UBS and numerous other banks on behalf of parties who transacted in certain interest rate benchmark-based derivatives. Also pending in the US and in other jurisdictions are a number of other actions asserting losses related to various products whose interest rates were linked to LIBOR and other benchmarks, including adjustable rate mortgages, preferred and debt securities, bonds pledged as collateral, loans, depository accounts, investments and other interest-bearing instruments. The complaints allege manipulation, through various means, of certain benchmark interest rates, including USD LIBOR, Euroyen TIBOR, Yen LIBOR, EURIBOR, CHF LIBOR, GBP LIBOR, SGD SIBOR and SOR and Australian BBSW, and seek unspecified compensatory and other damages under varying legal theories.

USD LIBOR class and individual actions in the US: In 2013 and 2015, the district court in the USD LIBOR actions dismissed, in whole or in part, certain plaintiffs' antitrust claims, federal racketeering claims, CEA claims, and state common law claims. Although the Second Circuit vacated the district court's judgment dismissing antitrust claims, the district court again dismissed antitrust claims against UBS in 2016. Certain plaintiffs have appealed that decision to the Second

Circuit. Separately, in 2018, the Second Circuit reversed in part the district court's 2015 decision dismissing certain individual plaintiffs' claims and certain of these actions are now proceeding. UBS entered into an agreement in 2016 with representatives of a class of bondholders to settle their USD LIBOR class action. The agreement has received preliminary court approval and remains subject to final approval. In 2018, the district court denied plaintiffs' motions for class certification in the USD class actions for claims pending against UBS, and plaintiffs sought permission to appeal that ruling to the Second Circuit. In July 2018, the Second Circuit denied the petition to appeal of the class of USD lenders and in November 2018 denied the petition of the USD exchange class. In January 2019, a putative class action was filed in the District Court for the Southern District of New York against UBS and numerous other banks on behalf of US residents who, since 1 February 2014, directly transacted with a defendant bank in USD LIBOR instruments. The complaint asserts antitrust claims. The defendants moved to dismiss the complaint on 30 August 2019.

Other benchmark class actions in the US: In 2014, the court in one of the Euroyen TIBOR lawsuits dismissed certain of the plaintiffs' claims, including a federal antitrust claim, for lack of standing. In 2015, this court dismissed the plaintiffs' federal racketeering claims on the same basis and affirmed its previous dismissal of the plaintiffs' antitrust claims against UBS. In 2017, this court also dismissed the other Yen LIBOR / Euroyen TIBOR action in its entirety on standing grounds, as did the court in the CHF LIBOR action. Also in 2017, the courts in the EURIBOR lawsuit dismissed the cases as to UBS and certain other foreign defendants for lack of personal jurisdiction. Plaintiffs in the other Yen LIBOR, Euroyen TIBOR and the EURIBOR actions have appealed the dismissals. In October 2018, the court in the SIBOR / SOR action dismissed all but one of plaintiffs' claims against UBS. Plaintiffs in the CHF LIBOR and SIBOR / SOR actions filed amended complaints following the dismissals, and the courts granted renewed motions to dismiss in July 2019 (SIBOR / SOR) and in September 2019 (CHF LIBOR). Plaintiffs in the SIBOR / SOR action have appealed the dismissal. In November 2018, the court in the BBSW lawsuit dismissed the case as to UBS and certain other foreign defendants for lack of personal jurisdiction. Following that dismissal, plaintiffs in the BBSW action filed an amended complaint in April 2019, which UBS and other defendants named in the amended complaint have moved to dismiss. The court dismissed the GBP LIBOR action in August 2019, and plaintiffs appealed the dismissal in September 2019.

Government bonds: Putative class actions have been filed since 2015 in US federal courts against UBS and other banks on behalf of persons who participated in markets for US Treasury securities since 2007. A consolidated complaint was filed in 2017 in the US District Court for the Southern District of New York alleging that the banks colluded with respect to, and manipulated prices of, US Treasury securities sold at auction and in the secondary market and asserting claims under the antitrust laws and for unjust enrichment. Defendants' motions to dismiss the consolidated complaint are pending.

UBS and reportedly other banks are responding to investigations and requests for information from various authorities regarding US Treasury securities and other government bond trading practices. As a result of its review to date, UBS has taken appropriate action.

With respect to additional matters and jurisdictions not encompassed by the settlements and orders referred to above, UBS's balance sheet at 30 September 2019 reflected a provision in an amount that UBS believes to be appropriate under the applicable accounting standard. As in the case of other matters for which UBS has established provisions, the future outflow of resources in respect of such matters cannot be determined with certainty based on currently available information and accordingly may ultimately prove to be substantially greater (or may be less) than the provision that UBS has recognized.

6. Swiss retrocessions

The Federal Supreme Court of Switzerland ruled in 2012, in a test case against UBS, that distribution fees paid to a firm for distributing third-party and intra-group investment funds and structured products must be disclosed and surrendered to clients who have entered into a discretionary mandate agreement with the firm, absent a valid waiver.

FINMA has issued a supervisory note to all Swiss banks in response to the Supreme Court decision. UBS has met the FINMA requirements and has notified all potentially affected clients.

The Supreme Court decision has resulted, and may continue to result, in a number of client requests for UBS to disclose and potentially surrender retrocessions. Client requests are assessed on a case-by-case basis. Considerations taken into account when assessing these cases include, among other things, the existence of a discretionary mandate and whether or not the client documentation contained a valid waiver with respect to distribution fees.

UBS's balance sheet at 30 September 2019 reflected a provision with respect to matters described in this item 6 in an amount that UBS believes to be appropriate under the applicable accounting standard. The ultimate exposure will depend on client requests and the resolution thereof, factors that are difficult to predict and assess. Hence, as in the case of other matters for which UBS has established provisions, the future outflow of resources in respect of such matters cannot be determined with certainty based on currently available information and accordingly may ultimately prove to be substantially greater (or may be less) than the provision that UBS has recognized.

7. Securities transaction pricing and disclosure

UBS identified and reported to the relevant authorities instances in which some Global Wealth Management clients booked in Hong Kong and Singapore may have been charged inappropriate spreads on debt securities transactions between 2008 and 2015. UBS intends to reimburse affected customers on a basis agreed with the relevant authorities. UBS expects the relevant authorities will subject UBS to reprimands and fines as a result of their investigations.

UBS's balance sheet at 30 September 2019 reflected a provision with respect to the matter described in this item 7 in an amount that UBS believes to be appropriate under the applicable accounting standard. The future outflow of resources in respect of this matter cannot be determined with certainty based on currently available information and accordingly may ultimately prove to be greater (or may be less) than the provision that UBS has recognized.

The specific litigation, regulatory and other matters described above under items (1) to (7) include all such matters that management considers to be material and others that management believes to be of significance due to potential financial, reputational and other effects as described in the "*Note 15 Provisions and contingent liabilities*" to the UBS AG's interim consolidated financial statements included in the UBS AG Third Quarter 2019 Report. The proceedings indicated below are matters that have recently been considered material, but are not currently considered material, by UBS. Besides the proceedings described above and below, there are no governmental, legal or arbitration proceedings (including any such proceedings which are pending or threatened, of which UBS AG is aware) that may have, or have had in the recent past, significant effects on UBS AG Group's and/or UBS AG's financial position or profitability and are or have been pending during the last twelve months until the date of this document.

The Hong Kong Securities and Futures Commission ("SFC") conducted investigations into UBS's role as a sponsor of certain initial public offerings listed on the Hong Kong Stock Exchange. In March 2018, the SFC issued a decision notice in relation to one of the offerings under investigation. On 13 March 2019, UBS Securities Hong Kong Limited and UBS AG entered into a settlement agreement with the SFC resolving all of the SFC's pending investigations related to sponsorship of IPOs by UBS. The agreement provides for a fine of HKD 375 million (USD 48 million) and the suspension of UBS Securities Hong Kong Limited's ability to act as a sponsor for Hong Kong-listed IPOs for one year.

FIFA investigation: UBS, and reportedly numerous other financial institutions, received inquiries from authorities concerning accounts relating to the Fédération Internationale de Football Association ("FIFA") and other constituent soccer associations and related persons and entities. UBS cooperated with authorities in these inquiries.

Material Contracts

No material contracts have been entered into outside of the ordinary course of UBS AG's or UBS AG Group's business, which could result in any member of the UBS AG Group being under an

obligation or entitlement that is material to UBS AG's ability to meet its obligations to the investors in relation to the issued securities.

Significant Changes in the Financial or Trading Position; Material Adverse Change in Prospects

There has been no significant change in the financial or trading position of UBS AG or UBS AG Group since 30 September 2019, which is the end of the last financial period for which financial information has been published.

There has been no material adverse change in the prospects of UBS AG or UBS AG Group since 31 December 2018.

4) The third quarter report of UBS Group AG dated 22 October 2019

- (I)** in relation to the Base Prospectus dated 27 March 2019 for the issuance of Fixed Income Securities (Rates)
the following subsection will be added at the end of the section "DESCRIPTION OF THE ISSUER"
- (II)** in relation to the prospectus comprising the Summary and Securities Note dated 6 May 2019 for the issuance of Open End Certificates linked to the UBS Global Quality Dividend Payers Total Return (EUR) Index (ISIN DE000UBS0QD1)
the following subsection will be added at the end of the section "DESCRIPTION OF THE ISSUER"
- (III)** in relation to the prospectus comprising the Summary and Securities Note dated 8 May 2019 for the issuance of Portfolio Certificates linked to the PTAM Navigator Portfolio (ISIN CH0441698849)
the following subsection will be added at the end of the section "DESCRIPTION OF THE ISSUER"
- (IV)** in relation to the Base Prospectus dated 13 June 2019 of UBS AG for the offer of Warrants and other leveraged Securities
the following subsection will be added at the end of the section "DESCRIPTION OF THE ISSUER"
- (V)** in relation to the Base Prospectus dated 19 June 2019 for the offer of Securities
the following subsection will be added at the end of the section "DESCRIPTION OF THE ISSUER"
- (VI)** in relation to the Base Prospectus dated 10 July 2019 for the issuance of Fixed Income Securities (Cash)
the following subsection will be added at the end of the section "DESCRIPTION OF THE ISSUER"
- (VII)** in relation to the prospectus comprising the Summary and Securities Note dated 11 July 2019 for the issuance of Strategy Certificates on GelfarthSelect Strategy (ISIN CH0326223960)
the following subsection will be added at the end of the section "DESCRIPTION OF THE ISSUER"
- (VIII)** in relation to the prospectus comprising the Summary and Securities Note dated 11 July 2019 for the issuance of Portfolio Certificates linked to the Smart Health Care Portfolio (ISIN DE000US8MAR5)
the following subsection will be added at the end of the section "DESCRIPTION OF THE ISSUER"
- (IX)** in relation to the Base Prospectus dated 15 July 2019 for of UBS Express Securities, UBS Twin-Win Securities, UBS Speeder Securities, UBS Outperformance Plus Securities, UBS Bonus Securities, UBS Dolphin Securities, UBS Capital Protected Securities and UBS Accumulator Securities
the following subsection will be added at the end of the section "DESCRIPTION OF THE ISSUER"

"

(2) Third quarter report of UBS Group AG dated 22 October 2019

"



Our financial results

Third quarter 2019 report

Corporate calendar UBS Group AG

Publication of the fourth quarter 2019 report:
Publication of the Annual Report 2019:
Publication of the first quarter 2020 report:
Annual General Meeting 2020:

Tuesday, 21 January 2020
Friday, 28 February 2020
Tuesday, 28 April 2020
Wednesday, 29 April 2020

Corporate calendar UBS AG*

Publication of the third quarter 2019 report: Friday, 25 October 2019

*Publication dates of future quarterly and annual reports and results are made available as part of the corporate calendar of UBS AG at www.ubs.com/investors

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Our key figures

USD million, except where indicated	As of or for the quarter ended				As of or year-to-date	
	30.9.19	30.6.19	31.12.18	30.9.18	30.9.19	30.9.18
Group results						
Operating income	7,088	7,532	6,972	7,428	21,838	23,240
Operating expenses	5,743	5,773	6,492	5,724	17,188	17,730
Operating profit / (loss) before tax	1,345	1,759	481	1,704	4,650	5,510
Net profit / (loss) attributable to shareholders	1,049	1,392	315	1,253	3,582	4,201
Diluted earnings per share (USD) ¹	0.28	0.37	0.08	0.33	0.95	1.09
Profitability and growth²						
Return on equity (%) ³	7.7	10.4	2.4	9.7	8.9	10.7
Return on tangible equity (%) ⁴	8.7	11.9	2.7	11.1	10.1	12.2
Return on common equity tier 1 capital (%) ⁵	12.1	16.0	3.7	14.5	13.8	16.3
Return on risk-weighted assets, gross (%) ⁶	10.8	11.4	10.8	11.6	11.0	12.1
Return on leverage ratio denominator, gross (%) ⁶	3.1	3.3	3.1	3.3	3.2	3.4
Cost / income ratio (%) ⁷	80.6	76.5	92.4	77.0	78.5	76.1
Adjusted cost / income ratio (%) ⁸	79.1	76.1	92.2	75.9	77.7	75.7
Effective tax rate (%)	21.9	20.8	34.4	26.3	23.0	23.6
Net profit growth (%) ⁹	(16.2)	0.7		27.6	(14.7)	24.1
Resources						
Total assets	973,118	968,728	958,489	950,192	973,118	950,192
Equity attributable to shareholders	56,187	53,180	52,928	52,094	56,187	52,094
Common equity tier 1 capital ¹⁰	34,673	34,948	34,119	34,816	34,673	34,816
Risk-weighted assets ¹⁰	264,626	262,135	263,747	257,041	264,626	257,041
Common equity tier 1 capital ratio (%) ¹⁰	13.1	13.3	12.9	13.5	13.1	13.5
Going concern capital ratio (%) ¹⁰	19.2	19.1	17.5	17.9	19.2	17.9
Total loss-absorbing capacity ratio (%) ¹⁰	33.3	33.3	31.7	31.8	33.3	31.8
Leverage ratio denominator ¹⁰	901,914	911,379	904,598	915,066	901,914	915,066
Common equity tier 1 leverage ratio (%) ¹⁰	3.84	3.83	3.77	3.80	3.84	3.80
Going concern leverage ratio (%) ¹⁰	5.6	5.5	5.1	5.0	5.6	5.0
Total loss-absorbing capacity leverage ratio (%) ¹⁰	9.8	9.6	9.3	8.9	9.8	8.9
Liquidity coverage ratio (%) ¹¹	138	145	136	135	138	135
Other						
Invested assets (USD billion) ¹²	3,422	3,381	3,101	3,330	3,422	3,330
Personnel (full-time equivalents)	67,634	66,922	66,888	65,556	67,634	65,556
Market capitalization ^{13,14}	41,210	43,491	45,907	58,856	41,210	58,856
Total book value per share (USD) ¹³	15.47	14.53	14.35	13.98	15.47	13.98
Total book value per share (CHF) ^{13,15}	15.45	14.18	14.11	13.72	15.45	13.72
Tangible book value per share (USD) ¹³	13.67	12.72	12.55	12.25	13.67	12.25
Tangible book value per share (CHF) ^{13,15}	13.64	12.42	12.33	12.02	13.64	12.02

¹ Refer to "Note 9 Earnings per share (EPS) and shares outstanding" in the "Consolidated financial statements" section of this report for more information. ² Refer to the "Performance targets and measurement" section of our Annual Report 2018 for more information about our performance targets. ³ Calculated as net profit attributable to shareholders (annualized as applicable) divided by average equity attributable to shareholders. ⁴ Calculated as net profit attributable to shareholders (annualized as applicable) divided by average equity attributable to shareholders less average goodwill and intangible assets. Effective 1 January 2019, the definition of the numerator for return on tangible equity has been revised to align with numerators for return on equity and return on common equity tier 1 capital; i.e., we no longer adjust for amortization and impairment of goodwill and intangible assets. Prior periods have been restated. ⁵ Calculated as net profit attributable to shareholders (annualized as applicable) divided by average common equity tier 1 capital. ⁶ Calculated as operating income before credit loss expense or recovery (annualized as applicable) divided by average risk-weighted assets and average leverage ratio denominator, respectively. ⁷ Calculated as operating expenses divided by operating income before credit loss expense or recovery. ⁸ Calculated as adjusted operating expenses divided by adjusted operating income before credit loss expense or recovery. ⁹ Calculated as change in net profit attributable to shareholders from continuing operations between current and comparison periods divided by net profit attributable to shareholders from continuing operations of comparison period. ¹⁰ Based on the Swiss systemically relevant bank framework as of 1 January 2020. Refer to the "Capital management" section of this report for more information. ¹¹ Refer to the "Balance sheet, liquidity and funding management" section of this report for more information. ¹² Includes invested assets for Global Wealth Management, Asset Management and Personal & Corporate Banking. ¹³ Refer to "UBS shares" in the "Capital management" section of this report for more information. ¹⁴ Beginning with our Annual Report 2018, the calculation of market capitalization has been amended to reflect total shares outstanding multiplied by the share price at the end of the period. The calculation was previously based on total shares issued multiplied by the share price at the end of the period. Market capitalization has been reduced by USD 2.1 billion as of 31 December 2018 and by USD 2.0 billion as of 30 September 2018 as a result. ¹⁵ Total book value per share and tangible book value per share in Swiss francs are calculated based on a translation of equity under our US dollar presentation currency. As a consequence of the restatement to a US dollar presentation currency, amounts may differ from those originally published in our quarterly and annual reports.

Performance measures: reasons for use

Return on equity	This measure provides information about the profitability of the business in relation to equity.
Return on tangible equity	This measure provides information about the profitability of the business in relation to tangible equity.
Return on common equity tier 1 capital	This measure provides information about the profitability of the business in relation to common equity tier 1 capital.
Return on risk-weighted assets, gross	This measure provides information about the revenues of the business in relation to risk-weighted assets.
Return on leverage ratio denominator, gross	This measure provides information about the revenues of the business in relation to leverage ratio denominator.
Cost / income ratio	This measure provides information about the efficiency of the business by comparing operating expenses with gross income.
Adjusted cost / income ratio	This measure provides information about the efficiency of the business by comparing operating expenses with gross income, while excluding items that management believes are not representative of the underlying performance of the businesses.
Net profit growth	This measure provides information about profit growth in comparison with the prior-year period.

UBS Group

Management report

Changes to our presentation currency

Effective from 1 October 2018, the presentation currency of UBS Group AG's consolidated financial statements has changed from Swiss francs to US dollars. Comparative information in this report for periods prior to the fourth quarter of 2018 has been restated. Assets, liabilities and total equity were translated to US dollars at closing exchange rates prevailing on the respective balance sheet dates, and income and expenses were translated at the respective average rates prevailing for the relevant periods.

Terms used in this report, unless the context requires otherwise

"UBS," "UBS Group," "UBS Group AG consolidated," "Group," "the Group," "we," "us" and "our"	UBS Group AG and its consolidated subsidiaries
"UBS AG consolidated"	UBS AG and its consolidated subsidiaries
"UBS Group AG" and "UBS Group AG standalone"	UBS Group AG on a standalone basis
"UBS AG" and "UBS AG standalone"	UBS AG on a standalone basis
"UBS Switzerland AG" and "UBS Switzerland AG standalone"	UBS Switzerland AG on a standalone basis
"UBS Europe SE consolidated"	UBS Europe SE and its consolidated subsidiaries
"UBS Americas Holding LLC" and "UBS Americas Holding LLC consolidated"	UBS Americas Holding LLC and its consolidated subsidiaries

Recent developments

Regulatory and legal developments

Tightened self-regulation for income-producing real estate

In August 2019, FINMA approved the Swiss Bankers Association's revised self-regulation on mortgage lending for income-producing real estate. The revisions increase the minimum equity required for new and increased mortgages on these properties, from 10% to 25% of the market value at origination, and require mortgages to amortize to two-thirds of the market value at origination within 10 years (previously 15 years). UBS Switzerland AG will be subject to the revised self-regulation that will come into effect on 1 January 2020. We expect the overall effect on UBS to be limited.

Volcker Rule revisions

US regulators have adopted amendments (2019 Final Rule) to their regulations implementing the Volcker Rule prohibitions on proprietary trading and limitations on covered fund activities. The amendments will become effective on 1 January 2020, with compliance voluntary from that date and mandatory from 1 January 2021.

Among other changes, the 2019 Final Rule tailors compliance program obligations for trading activities in tiers based on the level of US trading assets and liabilities and relaxes certain conditions for exemptions to the Volcker Rule restrictions to apply to activities engaged in by foreign banking entities outside the United States.

We expect UBS will fall within the "Significant" category, which will require UBS to maintain its compliance program but should eliminate certain reporting requirements. US regulators also signaled the intention to propose further amendments to the covered funds provisions of their Volcker Rule regulations.

Tailoring of regulation for foreign banks in the US

On 10 October 2019, the Board of Governors of the Federal Reserve System adopted two proposals that tailor how certain capital and liquidity requirements and enhanced prudential standards apply to foreign banking organizations (FBOs) with significant US operations. Under the final rules, FBOs and their

US intermediate holding companies (IHCs) will be assigned to categories based on their size measured in total assets as well as on scores relating to four other risk-based indicators: non-bank assets, a weighted measure of short-term wholesale funding, off-balance sheet exposure and cross-jurisdictional activity.

Each of UBS Americas Holdings LLC (our IHC) and our combined US operations, which include our IHC and US branches of UBS AG, are expected to be a "Category III" firm under the final rule. In this category, among other things, UBS Americas Holding LLC will continue to be: (i) required to submit its capital plan annually; (ii) subject to limitations on distributions through the Comprehensive Capital Analysis and Review (CCAR) process; and (iii) subject to annual supervisory stress testing and (iv) subject to the supplementary leverage ratio. It will also become subject to the newly applicable liquidity coverage ratio requirements and the proposed net stable funding ratio requirements. "Category III firms" will be required to conduct company-run stress tests once every two years, rather than annually, and to submit US resolution plans once every three years.

China further opening up its financial sector

In July 2019, China's Office of Financial Stability and Development Committee and the State Administration of Foreign Exchange announced measures designed to accelerate the opening up of the financial sector to foreign financial institutions and investors. Measures include: the removal of foreign ownership limits on securities, fund management and futures companies one year earlier, in 2020; encouraging overseas financial institutions to establish and invest in asset and wealth management entities and currency brokers and participate in the bond market; and eliminating requirements and quotas for qualified foreign investors to invest in China. More detailed implementation guidance is expected over the coming months.

The accelerated removal of the ownership caps for securities companies means that UBS AG is expected to be permitted to increase its stake in UBS Securities China from the current level of 51% to 100% by 2020. The exact effective date remains to be clarified.

The Swiss National Bank to adjust the zero interest rate exemption threshold

In September 2019, the Swiss National Bank (SNB) announced that it would keep the SNB policy rate and interest on sight deposits at the SNB at negative 0.75% and reconfirmed its willingness to intervene in the foreign exchange market as necessary. The SNB also announced adjustments to the calculation of the amount of sight deposits at the SNB that are exempt from negative interest rates. The exemption threshold will be increased from 20 to 25 times each bank's minimum requirement. In addition, the threshold will be updated on a monthly basis. These changes will come into effect on 1 November 2019. The SNB communicated that this decision was taken based on the assumption that the low interest rate environment around the world will persist for some time. UBS maintains significant sight deposits at the SNB. The adjustments to the exemption threshold calculation are expected to benefit our net interest income.

Swiss emergency plan credibility determination

UBS has developed and annually submits to FINMA an emergency plan demonstrating how it will maintain functions that are systemically important for the Swiss economy in the event of a crisis. UBS has developed a comprehensive emergency plan and has completed substantial measures designed to ensure the maintenance of systemically important functions, including the transfer of systemically important functions to UBS Switzerland AG and the establishment of a separate service company to provide services to Group companies. FINMA is expected to make a formal determination of whether the emergency plans of Swiss systemically relevant banks are "credible" in early 2020. As a result of this review, FINMA may require us to amend the plan or put other measures in place.

Developments related to the transition away from IBORs

Liquidity and activity in Alternative Reference Rates (ARRs) continue to develop in markets around the world, with work progressing to resolve certain issues associated with transitioning away from interbank offered rates (IBORs). Regulatory authorities continue to focus on transitioning to ARRs by the end of 2021. The Alternative Reference Rates Committee is considering potential legislative solutions that would mitigate legal risks related to legacy contracts in the event of IBOR discontinuation. In addition, in October 2019 the US Treasury Department and Internal Revenue Service published proposed regulations providing tax relief related to issues that may arise as a result of the modification of debt, derivative, and other financial contracts from IBOR-based language to ARRs. The European Central Bank published the euro short-term rate (€STR), the risk-free rate for EUR markets, for the first time on 2 October 2019, reflecting trading activity on 1 October 2019. The Bank of England Working Group on Sterling Risk-Free

Reference Rates continues to be supportive of the development of a term reference rate (Sterling Overnight Index Average, or SONIA).

We have a substantial number of contracts linked to IBORs. The new, risk-free ARRs do not currently provide a term structure, which will require a change in the contractual terms of products currently indexed on terms other than overnight. We have established a cross-divisional, cross-regional governance structure and change program to address the scale and complexity of the transition.

Strategic initiatives

Strategic partnership with Banco do Brasil

In September 2019, we announced our intention to enter into a strategic investment banking partnership with Banco do Brasil. By building on the complementary strengths of both firms, UBS and Banco do Brasil believe that the formation of a strategic, long-term partnership will create a leading investment bank platform in South America with global coverage. It is envisaged that UBS will hold the majority (50.01%) of the shares in the partnership, which would be established by a contribution of assets by both parties. Closing of the transaction is subject to the execution of transaction documents as well as obtaining all required internal and external approvals.

Structural changes in the Investment Bank

We are realigning our Investment Bank to meet the evolving needs of its clients, further focus its resources on opportunities for profitable growth and allow it to invest in our digital transformation. Corporate Client Solutions (CCS) and Investor Client Services (ICS) will be renamed Global Banking and Global Markets, respectively. Global Banking will adopt a global coverage model and will deploy its deep global industry expertise to meet the needs of its most important clients. Global Markets will combine Equities and Foreign Exchange, Rates and Credit, and will introduce three product verticals (Execution & Platform, Derivatives & Solutions, and Financing). Research and Evidence Lab Innovations will continue to be a critical part of the Investment Bank's advisory and content offering. Associated with these changes, which will be effective 1 January 2020, we expect the Investment Bank to incur restructuring expenses of around USD 100 million in the fourth quarter of 2019.

Separately, we are continuing to execute on various strategic initiatives across the Group and are considering opportunities that would leverage our technology capabilities, build on our strengths and focus resources on growth areas. These opportunities may include strategic partnerships, additional collaboration across business divisions, evolution of our business models and optimization of our legal entities.

Group performance

Income statement

	For the quarter ended			% change from		Year-to-date	
<i>USD million</i>	30.9.19	30.6.19	30.9.18	2Q19	3Q18	30.9.19	30.9.18
Net interest income	1,090	1,026	1,182	6	(8)	3,239	3,822
Other net income from financial instruments measured at fair value through profit or loss	1,587	1,939	1,689	(18)	(6)	5,461	5,663
Credit loss (expense) / recovery	(38)	(12)	(10)	208	289	(70)	(64)
Fee and commission income	4,805	4,907	4,875	(2)	(1)	14,253	14,897
Fee and commission expense	(396)	(434)	(409)	(9)	(3)	(1,238)	(1,264)
Net fee and commission income	4,409	4,474	4,466	(1)	(1)	13,015	13,633
Other income	39	105	101	(63)	(61)	193	187
Total operating income	7,088	7,532	7,428	(6)	(5)	21,838	23,240
Personnel expenses	3,987	4,153	3,936	(4)	1	12,182	12,293
General and administrative expenses	1,308	1,175	1,462	11	(10)	3,670	4,504
Depreciation and impairment of property, equipment and software	432	427	310	1	39	1,285	885
Amortization and impairment of intangible assets	16	18	15	(7)	7	50	48
Total operating expenses	5,743	5,773	5,724	(1)	0	17,188	17,730
Operating profit / (loss) before tax	1,345	1,759	1,704	(24)	(21)	4,650	5,510
Tax expense / (benefit)	294	366	448	(20)	(34)	1,067	1,303
Net profit / (loss)	1,051	1,393	1,256	(25)	(16)	3,582	4,207
Net profit / (loss) attributable to non-controlling interests	1	1	3	34	(60)	0	6
Net profit / (loss) attributable to shareholders	1,049	1,392	1,253	(25)	(16)	3,582	4,201

Comprehensive income

Total comprehensive income	3,146	2,473	809	27	289	6,658	3,022
Total comprehensive income attributable to non-controlling interests	(5)	(5)	4	1		(8)	4
Total comprehensive income attributable to shareholders	3,151	2,478	805	27	291	6,666	3,018

Performance of our business divisions and Corporate Center – reported and adjusted^{1,2}

For the quarter ended 30.9.19						
USD million	Global Wealth Management	Personal & Corporate Banking	Asset Management	Investment Bank	Corporate Center ³	UBS
Operating income as reported	4,142	919	465	1,752	(191)	7,088
of which: net foreign currency translations losses ⁴					(46)	(46)
Operating income (adjusted)	4,142	919	465	1,752	(145)	7,133
Operating expenses as reported	3,248	565	341	1,580	9	5,743
of which: personnel-related restructuring expenses ⁵	0	0	1	1	44	46
of which: non-personnel-related restructuring expenses ⁵	0	0	2	1	20	23
of which: restructuring expenses allocated from Corporate Center ^{5,6}	25	8	8	28	(70)	0
Operating expenses (adjusted)	3,223	557	331	1,549	15	5,674
of which: net expenses for litigation, regulatory and similar matters ⁷	69	0	0	0	(4)	65
Operating profit / (loss) before tax as reported	894	354	124	172	(200)	1,345
Operating profit / (loss) before tax (adjusted)	919	362	135	203	(160)	1,459
For the quarter ended 30.6.19						
USD million	Global Wealth Management	Personal & Corporate Banking	Asset Management	Investment Bank	Corporate Center ³	UBS
Operating income as reported	4,057	958	475	2,071	(30)	7,532
of which: net foreign currency translations gains ⁴					10	10
Operating income (adjusted)	4,057	958	475	2,071	(40)	7,522
Operating expenses as reported	3,183	568	351	1,644	26	5,773
of which: personnel-related restructuring expenses ⁵	0	0	3	1	22	25
of which: non-personnel-related restructuring expenses ⁵	0	0	2	2	10	13
of which: restructuring expenses allocated from Corporate Center ^{5,6}	12	2	5	10	(30)	0
Operating expenses (adjusted)	3,171	566	340	1,631	25	5,735
of which: net expenses for litigation, regulatory and similar matters ⁷	19	0	0	(1)	(14)	4
Operating profit / (loss) before tax as reported	874	390	124	427	(56)	1,759
Operating profit / (loss) before tax (adjusted)	886	392	135	440	(65)	1,787

Performance of our business divisions and Corporate Center – reported and adjusted (continued)^{1,2}

For the quarter ended 30.9.18

<i>USD million</i>	Global Wealth Management	Personal & Corporate Banking	Asset Manage- ment	Investment Bank	Corporate Center ³	UBS
Operating income as reported	4,084	972	457	1,944	(29)	7,428
<i>of which: gains on sale of real estate</i>					31	31
<i>of which: gains on sale of subsidiaries and businesses</i>					25	25
Operating income (adjusted)	4,084	972	457	1,944	(85)	7,371
Operating expenses as reported	3,220	574	339	1,490	100	5,724
<i>of which: personnel-related restructuring expenses⁵</i>	11	1	2	1	44	60
<i>of which: non-personnel-related restructuring expenses⁵</i>	0	0	1	3	59	63
<i>of which: restructuring expenses allocated from Corporate Center^{5,6}</i>	61	8	6	32	(106)	0
Operating expenses (adjusted)	3,148	565	330	1,455	103	5,601
<i>of which: net expenses for litigation, regulatory and similar matters⁷</i>	28	0	0	(59)	34	2
Operating profit / (loss) before tax as reported	864	398	118	453	(128)	1,704
Operating profit / (loss) before tax (adjusted)	936	407	127	489	(188)	1,770

¹ Adjusted results are non-GAAP financial measures as defined by SEC regulations. ² Prior-year comparative figures in this table have been restated for the changes in Corporate Center cost and resource allocation to the business divisions and the changes in the equity attribution framework. Refer to "Note 2 Segment reporting" in the "Consolidated financial statements" section of this report for more information. Comparatives may additionally differ as a result of adjustments following organizational changes, restatements due to the retrospective adoption of new accounting standards or changes in accounting policies, and events after the reporting period. ³ Corporate Center operating expenses presented in this table are after service allocations to business divisions. ⁴ Related to the disposal or closure of foreign operations. ⁵ Reflects restructuring expenses related to legacy cost programs as well as expenses for new restructuring initiatives. ⁶ Prior periods may include allocations (to) / from other business divisions. ⁷ Reflects the net increase in / (release of) provisions for litigation, regulatory and similar matters recognized in the income statement. Refer to "Note 16 Provisions and contingent liabilities" in the "Consolidated financial statements" section of this report for more information. Also includes recoveries from third parties (third quarter of 2019: USD 2 million; second quarter of 2019: USD 1 million; third quarter of 2018: USD 0 million).

Performance of our business divisions and Corporate Center – reported and adjusted^{1,2}

	Year-to-date 30.9.19					
<i>USD million</i>	Global Wealth Management	Personal & Corporate Banking	Asset Management	Investment Bank	Corporate Center ³	UBS
Operating income as reported	12,202	2,834	1,386	5,588	(174)	21,838
<i>of which: net foreign currency translations losses⁴</i>					(35)	(35)
Operating income (adjusted)	12,202	2,834	1,386	5,588	(139)	21,873
Operating expenses as reported	9,571	1,703	1,035	4,782	97	17,188
<i>of which: personnel-related restructuring expenses⁵</i>	0	0	6	3	80	89
<i>of which: non-personnel-related restructuring expenses⁵</i>	0	0	6	5	40	50
<i>of which: restructuring expenses allocated from Corporate Center^{5,6}</i>	48	14	15	49	(126)	0
Operating expenses (adjusted)	9,524	1,690	1,008	4,725	103	17,049
<i>of which: net expenses for litigation, regulatory and similar matters⁷</i>	88	0	0	(1)	(26)	61
Operating profit / (loss) before tax as reported	2,631	1,131	352	806	(271)	4,650
Operating profit / (loss) before tax (adjusted)	2,678	1,145	378	864	(242)	4,823

	Year-to-date 30.9.18					
<i>USD million</i>	Global Wealth Management	Personal & Corporate Banking	Asset Management	Investment Bank	Corporate Center ³	UBS
Operating income as reported	12,656	2,883	1,384	6,520	(203)	23,240
<i>of which: gains on sale of real estate</i>					31	31
<i>of which: gains on sale of subsidiaries and businesses</i>					25	25
Operating income (adjusted)	12,656	2,883	1,384	6,520	(259)	23,184
Operating expenses as reported	9,729	1,731	1,064	4,956	251	17,730
<i>of which: personnel-related restructuring expenses⁵</i>	17	3	18	15	138	191
<i>of which: non-personnel-related restructuring expenses⁵</i>	15	0	7	8	152	182
<i>of which: restructuring expenses allocated from Corporate Center^{5,6}</i>	149	26	21	97	(293)	0
<i>of which: gain related to changes to the Swiss pension plan⁸</i>	(66)	(38)	(10)	(5)	(122)	(241)
Operating expenses (adjusted)	9,612	1,739	1,028	4,841	377	17,599
<i>of which: net expenses for litigation, regulatory and similar matters⁷</i>	113	(1)	0	(59)	70	123
Operating profit / (loss) before tax as reported	2,927	1,152	320	1,564	(454)	5,510
Operating profit / (loss) before tax (adjusted)	3,044	1,144	356	1,679	(637)	5,585

¹ Adjusted results are non-GAAP financial measures as defined by SEC regulations. ² Prior-year comparative figures in this table have been restated for the changes in Corporate Center cost and resource allocation to the business divisions and the changes in the equity attribution framework. Refer to "Note 2 Segment reporting" in the "Consolidated financial statements" section of this report for more information. Comparatives may additionally differ as a result of adjustments following organizational changes, restatements due to the retrospective adoption of new accounting standards or changes in accounting policies, and events after the reporting period. ³ Corporate Center operating expenses presented in this table are after service allocations to business divisions. ⁴ Related to the disposal or closure of foreign operations. ⁵ Reflects restructuring expenses related to legacy cost programs as well as expenses for new restructuring initiatives. ⁶ Prior periods may include allocations (to) / from other business divisions. ⁷ Reflects the net increase in / (release of) provisions for litigation, regulatory and similar matters recognized in the income statement. Refer to "Note 16 Provisions and contingent liabilities" in the "Consolidated financial statements" section of this report for more information. Also includes recoveries from third parties of USD 10 million and USD 28 million for the first nine months of 2019 and 2018, respectively. ⁸ Changes to the pension fund of UBS in Switzerland in the first quarter of 2018 resulted in a reduction in the pension obligation recognized by UBS. As a consequence, a pre-tax gain of USD 241 million was recognized in the income statement in the first quarter of 2018, with no overall effect on total equity. Refer to "Note 29 Pension and other post-employment benefit plans" in the "Consolidated financial statements" section of our Annual Report 2018 for more information.

Results: 3Q19 vs 3Q18

Profit before tax decreased by USD 359 million, or 21%, to USD 1,345 million, predominantly reflecting a decrease in operating income. Operating income decreased by USD 340 million, or 5%, to USD 7,088 million, mainly reflecting USD 194 million lower net interest income and other net income from financial instruments measured at fair value through profit or loss, as well as a USD 62 million decrease in other income and a USD 57 million decrease in net fee and commission income. Operating expenses were broadly stable at USD 5,743 million, with a USD 154 million decrease in general and administrative expenses, mostly offset by a USD 122 million increase in depreciation, amortization and impairment of property, equipment and software, both effects mainly resulting from the adoption of IFRS 16, *Leases*, in the first quarter of 2019. Personnel expenses increased by USD 51 million.

In addition to reporting our results in accordance with International Financial Reporting Standards (IFRS), we report adjusted results that exclude items which management believes are not representative of the underlying performance of our businesses. Such adjusted results are non-GAAP financial measures as defined by US Securities and Exchange Commission (SEC) regulations. These adjustments include restructuring expenses related to our CHF 2.1 billion cost reduction program completed at the end of 2017 (referred to as our "legacy cost programs" in this report), as well as expenses relating to new restructuring initiatives. For the full year 2019, we expect

restructuring expenses associated with our legacy cost programs to be approximately USD 200 million, and nil beyond 2019. In addition, we expect to incur around USD 100 million of restructuring expenses in the fourth quarter of 2019 in connection with the planned structural changes in the Investment Bank.

For the purpose of determining adjusted results for the third quarter of 2019, we excluded net foreign currency translation losses related to the closure of subsidiaries of USD 46 million and net restructuring expenses of USD 69 million. For the third quarter of 2018, we excluded USD 56 million gains related to the sale of Widder Hotel and net restructuring expenses of USD 122 million.

On this adjusted basis, profit before tax for the third quarter of 2019 decreased by USD 311 million, or 18%, to USD 1,459 million, driven by a decrease in operating income of USD 238 million, or 3%, and an increase in operating expenses of USD 73 million, or 1%.

→ **Refer to the "Recent developments" section of this report for more information about planned structural changes in the Investment Bank**

Operating income: 3Q19 vs 3Q18

Total operating income decreased by USD 340 million, or 5%, to USD 7,088 million. Adjusted operating income decreased by USD 238 million, or 3%, to USD 7,133 million. This excludes net foreign currency translation losses of USD 46 million related to the closure of subsidiaries in the third quarter of 2019, compared with gains of USD 56 million related to the sale of Widder Hotel in the prior year.

Net interest income and other net income from financial instruments measured at fair value through profit or loss

USD million	For the quarter ended			% change from		Year-to-date	
	30.9.19	30.6.19	30.9.18	2Q19	3Q18	30.9.19	30.9.18
Net interest income from financial instruments measured at amortized cost and fair value through other comprehensive income	923	794	890	16	4	2,502	2,808
Net interest income from financial instruments measured at fair value through profit or loss ¹	167	232	292	(28)	(43)	737	1,014
Other net income from financial instruments measured at fair value through profit or loss ¹	1,587	1,939	1,689	(18)	(6)	5,461	5,663
Total	2,677	2,965	2,871	(10)	(7)	8,701	9,484
Global Wealth Management ²	1,219	1,206	1,207	1	1	3,686	3,803
of which: net interest income	979	966	1,011	1	(3)	2,953	3,073
of which: transaction-based income from foreign exchange and other intermediary activity ³	240	240	197	0	22	733	730
Personal & Corporate Banking ²	602	610	615	(1)	(2)	1,821	1,836
of which: net interest income	497	501	515	(1)	(3)	1,491	1,532
of which: transaction-based income from foreign exchange and other intermediary activity ³	105	110	100	(4)	5	330	304
Asset Management ²	(4)	1	(8)		(52)	(2)	(20)
Investment Bank ^{2,4}	962	1,185	1,083	(19)	(11)	3,240	3,963
Corporate Client Solutions	133	241	207	(45)	(36)	538	879
Investor Client Services	828	943	876	(12)	(5)	2,702	3,084
Corporate Center ²	(101)	(37)	(26)	176	296	(44)	(98)

¹ Effective as of 1 January 2019, UBS refined the presentation of dividend income and expense by reclassifying dividends from Net interest income from financial instruments measured at fair value through profit or loss to Other net income from financial instruments measured at fair value through profit or loss. Prior-period information was restated accordingly and the total effect to the Group was as follows: for the quarter ended 30 September 2018 and the first nine months of 2018, respectively, USD 524 million and USD 726 million of net dividend income was reclassified. Refer to "Note 1 Basis of accounting" in the "Consolidated financial statements" section of this report for more information. ² Prior-year comparative figures have been restated for changes in Corporate Center cost allocations to the business divisions. Refer to "Note 2 Segment reporting" in the "Consolidated financial statements" section of this report for more information. ³ Mainly includes spread-related income in connection with client-driven transactions, foreign currency translation effects and income and expenses from precious metals, which are included in the income statement line Other net income from financial instruments measured at fair value through profit or loss. The amounts reported on this line are one component of Transaction-based income in the management discussion and analysis of Global Wealth Management and Personal & Corporate Banking in the "Global Wealth Management" and "Personal & Corporate Banking" sections of this report. ⁴ Investment Bank information is provided at the business line level rather than by financial statement reporting line in order to reflect the underlying business activities, which is consistent with the structure of the management discussion and analysis in the "Investment Bank" section of this report.

Net interest income and other net income from financial instruments measured at fair value through profit or loss

Total combined net interest income and other net income from financial instruments measured at fair value through profit or loss decreased by USD 194 million to USD 2,677 million. This was mainly driven by our Corporate Client Solutions and Equities businesses in the Investment Bank, as well as by Corporate Center.

Global Wealth Management

In Global Wealth Management, net interest income decreased by USD 32 million to USD 979 million, mainly reflecting lower deposit and loan margins, partly offset by higher investment-of-equity income.

Transaction-based income from foreign exchange and other intermediary activity increased by USD 43 million to USD 240 million, driven by higher levels of client activity.

Personal & Corporate Banking

In Personal & Corporate Banking, net interest income decreased by USD 18 million to USD 497 million, mainly as a result of the persistent low interest rate environment leading to lower deposit margin.

Investment Bank

In the Investment Bank, net interest income and other net income from financial instruments measured at fair value through profit or loss decreased by USD 121 million to USD 962 million amid challenging market conditions in the third quarter of 2019. This was driven by USD 74 million lower income in our Corporate Client Solutions business, mainly reflecting a decrease in leveraged finance revenues, and USD 38 million lower income in our Equities business, reflecting reduced client activity levels and lower client balances.

Corporate Center

In Corporate Center, net interest income and other net income from financial instruments measured at fair value through profit or loss decreased by USD 75 million to negative USD 101 million. This mainly reflects lower other Corporate Center income of USD 59 million, largely as a result of USD 30 million of additional interest expense related to lease liabilities recognized as a result of the adoption of IFRS 16, *Leases*, effective from 1 January 2019, and higher funding expenses for Group Technology assets, as well as lower net income of USD 53 million in Non-core and Legacy Portfolio, mainly as the third quarter of 2018 included valuation gains on auction rate securities. These effects were partly offset by an increase in net treasury income of USD 36 million, mainly reflecting higher net interest income.

→ Refer to “Note 1 Basis of accounting” in the “Consolidated financial statements” section of this report for more information about the adoption of IFRS 16

→ Refer to “Note 3 Net interest income” in the “Consolidated financial statements” section of this report for more information about net interest income

Net fee and commission income

Net fee and commission income was USD 4,409 million, compared with USD 4,466 million.

M&A and corporate finance fees decreased by USD 57 million to USD 204 million, primarily reflecting lower revenues from merger and acquisition transactions.

Underwriting fees decreased by USD 41 million to USD 169 million, largely driven by lower equity underwriting revenues from public offerings.

Investment fund fees decreased by USD 21 million to USD 1,200 million, mainly in Personal & Corporate Banking and Global Wealth Management, partly offset by an increase in Asset Management.

Other fee and commission income increased by USD 28 million to USD 475 million, reflecting increases in Global Wealth Management and Personal & Corporate Banking, largely as a result of higher levels of client activity and increased revenues from credit card transactions, respectively.

In the fourth quarter of 2019, we plan to realign our client coverage between Global Wealth Management and Personal & Corporate Banking as a result of a detailed client segmentation review. We expect that this will result in a reduction of approximately USD 5 billion in invested assets in Global Wealth Management and the shifting of approximately USD 1 billion in loans from Global Wealth Management to Personal & Corporate Banking. In line with the remuneration framework for net client shifts and referrals, we expect Global Wealth Management to receive a fee of approximately USD 70 million from Personal & Corporate Banking related to this shift in the fourth quarter of 2019. This will increase transaction-based income in Global Wealth Management, with an offsetting decrease in transaction-based income in Personal & Corporate Banking in the fourth quarter of 2019. The shift of invested assets and loans will not affect net new money or net new business volume reported by Global Wealth Management and Personal & Corporate Banking, respectively.

→ Refer to “Note 4 Net fee and commission income” in the “Consolidated financial statements” section of this report for more information

Other income

Other income was USD 39 million, compared with USD 101 million. The third quarter of 2019 included net foreign currency translation losses of USD 46 million related to the closure of subsidiaries. In comparison, the third quarter of 2018 included gains of USD 31 million on sale of real estate and gains of USD 25 million on sale of subsidiaries and businesses, both related to the sale of Widder Hotel. Excluding these items, adjusted other income increased by USD 41 million, reflecting gains from the disposal of financial assets measured at fair value through OCI and a gain related to legacy securities positions in Global Wealth Management.

→ Refer to “Note 5 Other income” in the “Consolidated financial statements” section of this report for more information

Credit loss (expense) / recovery

USD million	For the quarter ended			% change from		Year-to-date	
	30.9.19	30.6.19	30.9.18	2Q19	3Q18	30.9.19	30.9.18
Global Wealth Management	(7)	(5)	(6)	47	8	(11)	(4)
Personal & Corporate Banking	(30)	(1)	(3)		774	(29)	(39)
Investment Bank	0	(1)	1		(96)	(24)	(20)
Corporate Center	(1)	(6)	(1)	(74)	14	(7)	(2)
Total	(38)	(12)	(10)	208	289	(70)	(64)

Credit loss expense / recovery

Total net credit loss expenses in the third quarter of 2019 were USD 38 million, reflecting net expenses of USD 43 million related to credit impaired (stage 3) positions and recoveries of USD 5 million related to stage 1 and stage 2 positions. The net stage 3 expenses of USD 43 million were recognized across a number of defaulted positions: USD 29 million in Personal & Corporate

Banking, mainly related to a single exposure; USD 8 million in the Investment Bank; and USD 6 million in Global Wealth Management.

→ Refer to "Note 10 Expected credit loss measurement" in the "Consolidated financial statements" section of this report for more information about credit loss expense / recovery

Operating expenses

USD million	For the quarter ended			% change from		Year-to-date	
	30.9.19	30.6.19	30.9.18	2Q19	3Q18	30.9.19	30.9.18
Operating expenses as reported							
Personnel expenses	3,987	4,153	3,936	(4)	1	12,182	12,293
General and administrative expenses	1,308	1,175	1,462	11	(10)	3,670	4,504
Depreciation and impairment of property, equipment and software	432	427	310	1	39	1,285	885
Amortization and impairment of intangible assets	16	18	15	(7)	7	50	48
Total operating expenses as reported	5,743	5,773	5,724	(1)	0	17,188	17,730

Adjusting items

Personnel expenses	46	25	60			89	(50)
of which: restructuring expenses ¹	46	25	60			89	191
of which: gain related to changes to the Swiss pension plan ²							(241)
General and administrative expenses ¹	21	11	35			43	152
Depreciation and impairment of property, equipment and software ¹	1	2	27			7	30
Total adjusting items	69	39	122			139	132

Operating expenses (adjusted)³

Personnel expenses	3,941	4,127	3,876	(5)	2	12,094	12,343
of which: salaries and variable compensation	2,313	2,506	2,252	(8)	3	7,229	7,340
of which: financial advisor compensation ⁴	1,029	1,005	1,016	2	1	2,994	3,055
of which: other personnel expenses ⁵	599	616	609	(3)	(2)	1,871	1,948
General and administrative expenses	1,287	1,164	1,426	11	(10)	3,628	4,352
of which: net expenses for litigation, regulatory and similar matters	65	4	2			61	123
of which: other general and administrative expenses	1,221	1,160	1,424	5	(14)	3,567	4,228
Depreciation and impairment of property, equipment and software	431	425	283	1	52	1,278	856
Amortization and impairment of intangible assets	16	18	15	(7)	7	50	48
Total operating expenses (adjusted)	5,674	5,735	5,601	(1)	1	17,049	17,599

¹ Reflects restructuring expenses related to legacy cost programs as well as expenses for new restructuring initiatives. ² Changes to the pension fund of UBS in Switzerland in the first quarter of 2018 resulted in a reduction in the pension obligation recognized by UBS. As a consequence, a pre-tax gain of USD 241 million was recognized in the income statement in the first quarter of 2018, with no overall effect on total equity. Refer to "Note 29 Pension and other post-employment benefit plans" in the "Consolidated financial statements" section of our Annual Report 2018 for more information. ³ Adjusted results are non-GAAP financial measures as defined by SEC regulations. ⁴ Financial advisor compensation consists of formulaic compensation based directly on compensable revenues generated by financial advisors and supplemental compensation calculated on the basis of financial advisor productivity, firm tenure, new assets and other variables. It also includes expenses related to compensation commitments with financial advisors entered into at the time of recruitment that are subject to vesting requirements. ⁵ Consists of expenses related to contractors, social security, pension and other post-employment benefit plans, and other personnel expenses. Refer to "Note 6 Personnel expenses" in the "Consolidated financial statements" section of this report for more information.

Operating expenses: 3Q19 vs 3Q18

Total operating expenses were broadly stable, with an increase of USD 19 million to USD 5,743 million. Adjusted total operating expenses increased by USD 73 million, or 1%, to USD 5,674 million. These exclude net restructuring expenses related to legacy cost programs and new restructuring initiatives of USD 69 million, compared with USD 122 million in the prior year.

Personnel expenses

Personnel expenses increased by USD 51 million to USD 3,987 million on a reported basis, and by USD 65 million to USD 3,941 million on an adjusted basis, primarily reflecting higher salaries and variable compensation, including the effect from the insourcing of certain activities from third-party vendors, as well as expenses related to pension and other post-employment benefit plans. This was partly offset by lower expenses related to contractors in Corporate Center, mainly reflecting our insourcing initiatives.

→ Refer to “Note 6 Personnel expenses” in the “Consolidated financial statements” section of this report for more information

General and administrative expenses

General and administrative expenses decreased by USD 154 million to USD 1,308 million, mainly driven by lower rent expenses. The decrease in rent expenses included a USD 133 million decrease as a result of the adoption of IFRS 16, *Leases*, in the first quarter of 2019. This decrease was more than offset by an increase of USD 117 million in depreciation expense and an increase of USD 30 million in interest expense relating to lease liabilities, also as a direct result of the adoption of IFRS 16.

On an adjusted basis, general and administrative expenses decreased by USD 139 million to USD 1,287 million, largely due to the aforementioned decrease in rent expenses.

We believe that the industry continues to operate in an environment in which expenses associated with litigation, regulatory and similar matters will remain elevated for the foreseeable future and we continue to be exposed to a number of significant claims and regulatory matters. The outcome of many of these matters, the timing of a resolution, and the potential effects of resolutions on our future business, financial results or financial condition are extremely difficult to predict.

- Refer to “Note 1 Basis of accounting” in the “Consolidated financial statements” section of this report for more information about the adoption of IFRS 16
- Refer to “Note 7 General and administrative expenses” in the “Consolidated financial statements” section of this report for more information
- Refer to “Note 16 Provisions and contingent liabilities” in the “Consolidated financial statements” section of this report and to the “Regulatory and legal developments” and “Risk factors” sections of our Annual Report 2018 for more information about litigation, regulatory and similar matters

Depreciation, amortization and impairment

Depreciation, amortization and impairment of property, equipment and software increased by USD 122 million to USD 448 million on a reported basis, and by USD 149 million to USD 447 million on an adjusted basis, mainly driven by USD 117 million higher depreciation expenses as a result of the adoption of IFRS 16 in the first quarter of 2019.

→ Refer to “Note 1 Basis of accounting” in the “Consolidated financial statements” section of this report for more information about the adoption of IFRS 16

Tax: 3Q19 vs 3Q18

We recognized income tax expenses of USD 294 million for the third quarter of 2019, representing an effective tax rate of 21.9%, compared with USD 448 million for the third quarter of 2018.

Current tax expenses were USD 229 million, compared with USD 235 million, and related to taxable profits of UBS Switzerland AG and other entities.

Deferred tax expenses were USD 65 million, compared with USD 213 million. Deferred tax expenses in the third quarter of 2019 include expenses of USD 130 million that primarily reflect the amortization of deferred tax assets (DTAs) previously recognized in relation to tax losses carried forward and deductible temporary differences to reflect their offset against profits for the quarter, including the amortization of US tax loss DTAs at the level of UBS Americas Inc. Deferred tax expenses were decreased by a benefit of USD 65 million in respect of additional DTA recognition that resulted from the contribution of real estate assets by UBS AG to UBS Americas Inc. during the second quarter of 2019 in accordance with the requirements of IAS 34, *Interim Financial Reporting*, as described in our second quarter 2019 report. A further benefit of USD 65 million will be recognized in the fourth quarter of 2019.

We expect a tax rate for the fourth quarter of 2019 that is similar to the 23.0% tax rate for the first nine months of this year, subject to any potential DTA-related adjustments made in the quarter as part of our annual business planning process. Our tax rate over the longer term is expected to be around 25%, excluding any potential effects from the reassessment of deferred tax assets.

→ Refer to “Note 8 Income taxes” in the “Consolidated financial statements” section of this report for more information

Total comprehensive income attributable to shareholders: 3Q19 vs 3Q18

Total comprehensive income attributable to shareholders was USD 3,151 million, compared with USD 805 million. Net profit attributable to shareholders was USD 1,049 million, compared with USD 1,253 million, and other comprehensive income (OCI) attributable to shareholders, net of tax, was positive USD 2,101 million, compared with negative USD 448 million.

Defined benefit plan OCI was positive USD 2,000 million, compared with negative USD 52 million. We recorded net pre-tax OCI gains of USD 2,624 million related to our Swiss pension plan, reflecting the recognition of the plan's surplus of USD 2,631 million as of 30 September 2019. The plan's surplus was recognized in accordance with IFRS requirements, which stipulate when a pension asset is recognized by considering whether the service benefits in the plan exceed the contributions that UBS is required to make. This was primarily due to a 36-basis-point decrease in the applicable discount rate, which increased the value of the service benefits. There was no significant effect on regulatory capital as the Swiss pension plan surplus is reversed as a CET1 capital deduction.

Net pre-tax OCI losses related to the non-Swiss pension plans amounted to USD 146 million, primarily driven by the UK defined benefit plans.

The total net pre-tax OCI gains on defined benefit plans of USD 2,478 million were partly offset by a net tax expense of USD 478 million, mainly related to the aforementioned pre-tax OCI gains in the Swiss pension plan.

In the third quarter of 2019, OCI related to cash flow hedges was positive USD 417 million, mainly reflecting an increase in unrealized gains on US dollar hedging derivatives resulting from decreases in the relevant US dollar long-term interest rates. In the third quarter of 2018, OCI related to cash flow hedges was negative USD 237 million.

OCI related to own credit on financial liabilities designated at fair value was positive USD 1 million, compared with negative USD 288 million, mainly as the credit spreads were broadly unchanged in the third quarter of 2019.

OCI associated with financial assets measured at fair value through OCI was negligible, compared with negative USD 18 million, and reflected net unrealized gains of USD 30 million following decreases in the relevant US dollar long-term interest rates in the third quarter of 2019, offset by the reclassification of USD 26 million net gains from OCI to the income statement upon sale of the respective instruments and a net tax expense of USD 4 million.

Foreign currency translation OCI was negative USD 316 million in the third quarter of 2019, mainly resulting from the weakening of the Swiss franc and the euro against the US dollar, partly offset by the reclassification of net losses totaling USD 46 million to the income statement. OCI related to foreign currency translation in the same quarter of last year was positive USD 148 million.

- Refer to **"Statement of comprehensive income" in the "Consolidated financial statements" section of this report for more information**
- Refer to **"Note 29 Pension and other post-employment benefit plans" in the "Consolidated financial statements" section of our Annual Report 2018 for more information about other comprehensive income related to defined benefit plans**

Sensitivity to interest rate movements

As of 30 September 2019, we estimate that a parallel shift in yield curves by +100 basis points could lead to a combined increase in annual net interest income of approximately USD 0.4 billion in Global Wealth Management and Personal & Corporate Banking. US dollar and euro interest rates contribute approximately USD 0.2 billion and USD 0.1 billion, respectively, to this increase.

These estimates are based on a hypothetical scenario of an immediate increase in interest rates, equal across all currencies and relative to implied forward rates applied to our banking book. These estimates further assume no change to balance sheet size and structure, constant foreign exchange rates and no specific management action.

- Refer to the **"Risk management and control" section of this report for information about interest rate risk in the banking book**

Key figures and personnel

Below we provide an overview of select key figures of the Group. For further information about key figures related to capital management, refer to the "Capital management" section of this report.

Adjusted cost / income ratio: 3Q19 vs 3Q18

The adjusted cost / income ratio was 79.1%, compared with 75.9%, driven mainly by a decrease in adjusted income.

Common equity tier 1 capital: 3Q19 vs 2Q19

During the third quarter of 2019, our common equity tier 1 (CET1) capital decreased by USD 0.3 billion to USD 34.7 billion.

Return on CET1 capital: 3Q19 vs 3Q18

The annualized return on CET1 capital (RoCET1) was 12.1%, compared with 14.5%, driven by a USD 0.8 billion decrease in annualized quarterly net profit attributable to shareholders and a USD 0.3 billion increase in the average CET1 capital.

Risk-weighted assets: 3Q19 vs 2Q19

Risk-weighted assets (RWA) increased by USD 2.5 billion to USD 264.6 billion, reflecting increases from asset size and other movements of USD 5.7 billion, partly offset by currency effects of USD 2.5 billion, as well as decreases in regulatory add-ons of USD 0.5 billion and model updates of USD 0.1 billion.

Common equity tier 1 capital ratio: 3Q19 vs 2Q19

During the third quarter of 2019, our CET1 capital ratio decreased 0.2 percentage points to 13.1%, reflecting a USD 2.5 billion increase in RWA and a USD 0.3 billion decrease in CET1 capital.

Leverage ratio denominator: 3Q19 vs 2Q19

During the third quarter of 2019, the leverage ratio denominator (LRD) decreased by USD 9 billion to USD 902 billion. This decrease was driven by currency effects of USD 13 billion, partly offset by an increase in asset size and other movements of USD 4 billion.

Common equity tier 1 leverage ratio: 3Q19 vs 2Q19

Our CET1 leverage ratio increased from 3.83% to 3.84% in the third quarter of 2019, as the aforementioned USD 9 billion decrease in LRD was partly offset by the aforementioned decrease in CET1 capital.

Going concern leverage ratio: 3Q19 vs 2Q19

Our going concern leverage ratio increased from 5.5% to 5.6%, reflecting a USD 0.7 billion increase in going concern capital.

Personnel: 3Q19 vs 2Q19

We employed 67,634 personnel (full-time equivalents) as of 30 September 2019, a net increase of 712 compared with 30 June 2019, driven by regulatory requirements and strategic initiatives.

Return on equity

<i>USD million, except where indicated</i>	As of or for the quarter ended			Year-to-date	
	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Net profit					
Net profit / (loss) attributable to shareholders	1,049	1,392	1,253	3,582	4,201
Equity					
Equity attributable to shareholders	56,187	53,180	52,094	56,187	52,094
Less: goodwill and intangible assets	6,560	6,624	6,436	6,560	6,436
Tangible equity attributable to shareholders	49,627	46,555	45,657	49,627	45,657
Less: other CET1 deductions	14,954	11,607	10,841	14,954	10,841
Common equity tier 1 capital	34,673	34,948	34,816	34,673	34,816
Return on equity					
Return on equity (%) ¹	7.7	10.4	9.7	8.9	10.7
Return on tangible equity (%) ²	8.7	11.9	11.1	10.1	12.2
Return on common equity tier 1 capital (%) ³	12.1	16.0	14.5	13.8	16.3

¹ Calculated as net profit attributable to shareholders (annualized as applicable) divided by average equity attributable to shareholders. ² Calculated as net profit attributable to shareholders (annualized as applicable) divided by average equity attributable to shareholders less average goodwill and intangible assets. Effective 1 January 2019, the definition of the numerator for return on tangible equity has been revised to align with numerators for return on equity and return on CET1 capital; i.e., we no longer adjust for amortization and impairment of goodwill and intangible assets. Prior periods have been restated. ³ Calculated as net profit attributable to shareholders (annualized as applicable) divided by average common equity tier 1 capital.

Net new money and invested assets

Management's discussion and analysis of net new money and invested assets is provided in the "UBS business divisions and Corporate Center" section of this report.

Net new money¹

USD billion	For the quarter ended			Year-to-date	
	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Global Wealth Management	15.7	(1.7)	13.8	36.3	32.6
Asset Management²	33.1	(15.0)	3.2	18.2	34.4
<i>of which: excluding money market flows</i>	<i>24.1</i>	<i>(13.9)</i>	<i>0.6</i>	<i>8.0</i>	<i>29.6</i>
<i>of which: money market flows</i>	<i>8.9</i>	<i>(1.1)</i>	<i>2.6</i>	<i>10.2</i>	<i>4.7</i>

¹ Net new money excludes interest and dividend income. ² Effective 1 January 2019, certain assets have been reclassified between asset classes to better reflect their underlying nature, with prior-period information restated. The adjustments have no effect on total net new money.

Invested assets

USD billion	As of			% change from	
	30.9.19	30.6.19	30.9.18	30.6.19	30.9.18
Global Wealth Management	2,502	2,486	2,438	1	3
Asset Management¹	858	831	830	3	3
<i>of which: excluding money market funds</i>	<i>752</i>	<i>734</i>	<i>738</i>	<i>3</i>	<i>2</i>
<i>of which: money market funds</i>	<i>106</i>	<i>97</i>	<i>92</i>	<i>9</i>	<i>14</i>

¹ Effective 1 January 2019, certain assets have been reclassified between asset classes to better reflect their underlying nature, with prior-period information restated. The adjustments have no effect on total invested assets.

Results: 9M19 vs 9M18

Profit before tax decreased by USD 860 million, or 16%, to USD 4,650 million.

Operating income decreased by USD 1,402 million, or 6%, mainly reflecting USD 783 million lower net interest income and other net income from financial instruments measured at fair value through profit or loss, mainly in the Investment Bank. In addition, net fee and commission income decreased by USD 618 million, mainly due to USD 298 million lower investment fund fees and fees for portfolio management and related services, mainly in Global Wealth Management and Personal & Corporate Banking, as well as a USD 252 million decrease in net brokerage fees across both Global Wealth Management and the Investment Bank.

Operating expenses decreased by USD 542 million, or 3%, mainly reflecting USD 834 million lower general and administrative expenses. This was largely driven by decreases in outsourcing costs, professional fees and expenses related to litigation, regulatory and similar matters. Additionally, following the adoption of IFRS 16, *Leases*, rent expenses decreased by USD 406 million, which was offset by a USD 402 million increase in expenses from depreciation, amortization and impairment of property, equipment and software, also as a result of the adoption of IFRS 16. Personnel expenses decreased by USD 111 million, primarily due to lower variable compensation, costs for contractors and financial advisor compensation, partly offset by higher pension costs, as the first quarter of 2018 included a gain of USD 241 million related to changes to our Swiss pension plan.

On an adjusted basis, profit before tax decreased by USD 762 million, or 14%, reflecting lower operating income, partly offset by a decrease in operating expenses.

Adjusted operating income decreased by USD 1,311 million, or 6%, reflecting the aforementioned decreases in net interest income and other net income from financial instruments measured at fair value through profit or loss and net fee and commission income.

Adjusted operating expenses decreased by USD 550 million, or 3%, mainly reflecting a USD 249 million decrease in personnel expenses, as well as the aforementioned decreases in outsourcing costs, professional fees, and expenses for litigation, regulatory and similar matters.

Outlook

Stimulus measures and easing of monetary policy by central banks may help to mitigate slowing global economic growth over the medium term. Geopolitical tensions and trade disputes continue to impact investor confidence. Positive momentum toward resolving these issues would likely improve confidence and the economic outlook.

Low and persistent negative interest rates and expectations of further monetary easing will adversely affect net interest income compared with last year. Our regional and business diversification, along with actions that we are taking, will help to mitigate these headwinds. Recurring revenues should also benefit from higher invested assets.

As we execute on our strategy, we are balancing investments for growth while managing for efficiency. We remain committed to delivering on our capital return objectives and creating sustainable long-term value for our shareholders.

UBS business divisions and Corporate Center

Management report

Global Wealth Management

Global Wealth Management¹

	As of or for the quarter ended			% change from		Year-to-date	
<i>USD million, except where indicated</i>	30.9.19	30.6.19	30.9.18	2Q19	3Q18	30.9.19	30.9.18
Results							
Net interest income	979	966	1,011	1	(3)	2,953	3,073
Recurring net fee income ²	2,371	2,315	2,411	2	(2)	6,904	7,203
Transaction-based income ³	741	764	650	(3)	14	2,270	2,344
Other income	58	17	19	244	207	86	39
Income	4,149	4,062	4,090	2	1	12,213	12,660
Credit loss (expense) / recovery	(7)	(5)	(6)	47	8	(11)	(4)
Total operating income	4,142	4,057	4,084	2	1	12,202	12,656
Personnel expenses	1,903	1,905	1,903	0	0	5,708	5,801
Salaries and other personnel costs	874	900	887	(3)	(1)	2,715	2,746
Financial advisor variable compensation ^{4,5}	894	879	874	2	2	2,588	2,613
Compensation commitments with recruited financial advisors ^{4,6}	135	127	142	6	(5)	406	442
General and administrative expenses	344	271	298	27	15	864	908
Services (to) / from Corporate Center and other business divisions	985	992	1,008	(1)	(2)	2,952	2,982
of which: services from Corporate Center	948	948	976	0	(3)	2,834	2,886
Depreciation and impairment of property, equipment and software	2	1	1	6	43	4	3
Amortization and impairment of intangible assets	14	14	9	0	53	42	36
Total operating expenses	3,248	3,183	3,220	2	1	9,571	9,729
Business division operating profit / (loss) before tax	894	874	864	2	3	2,631	2,927
Adjusted results⁷							
Total operating income as reported	4,142	4,057	4,084	2	1	12,202	12,656
Total operating income (adjusted)	4,142	4,057	4,084	2	1	12,202	12,656
Total operating expenses as reported	3,248	3,183	3,220	2	1	9,571	9,729
of which: personnel-related restructuring expenses ⁸	0	0	11			0	17
of which: non-personnel-related restructuring expenses ⁹	0	0	0			0	15
of which: restructuring expenses allocated from Corporate Center ^{8,9}	25	12	61			48	149
of which: gain related to changes to the Swiss pension plan							(66)
Total operating expenses (adjusted)	3,223	3,171	3,148	2	2	9,524	9,612
Business division operating profit / (loss) before tax as reported	894	874	864	2	3	2,631	2,927
Business division operating profit / (loss) before tax (adjusted)	919	886	936	4	(2)	2,678	3,044
Performance measures¹⁰							
Pre-tax profit growth (%)	3.5	(9.1)	1.1			(10.1)	16.0
Cost / income ratio (%)	78.3	78.4	78.7			78.4	76.8
Net new money growth (%)	2.5	(0.3)	2.3			2.1	1.8
Adjusted performance measures^{7,10}							
Pre-tax profit growth (%)	(1.8)	(12.2)	(6.2)			(12.0)	4.4
Cost / income ratio (%)	77.7	78.1	77.0			78.0	75.9

Global Wealth Management (continued)¹

	As of or for the quarter ended			% change from		Year-to-date	
<i>USD million, except where indicated</i>	30.9.19	30.6.19	30.9.18	2Q19	3Q18	30.9.19	30.9.18
Additional information							
Recurring income ¹¹	3,350	3,280	3,421	2	(2)	9,857	10,276
Recurring income as a percentage of income (%)	80.7	80.8	83.6			80.7	81.2
Average attributed equity (USD billion) ¹²	16.7	16.6	16.3	0	3	16.6	16.3
Return on attributed equity (%) ¹²	21.4	21.0	21.2			21.1	24.0
Risk-weighted assets (USD billion) ¹²	78.7	77.3	75.1	2	5	78.7	75.1
Leverage ratio denominator (USD billion) ¹²	313.6	323.2	310.8	(3)	1	313.6	310.8
Goodwill and intangible assets (USD billion)	5.1	5.1	5.0	(1)	2	5.1	5.0
Net new money (USD billion)	15.7	(1.7)	13.8			36.3	32.6
Invested assets (USD billion)	2,502	2,486	2,438	1	3	2,502	2,438
Net margin on invested assets (bps) ¹³	14	14	14	1	0	14	16
Gross margin on invested assets (bps)	67	66	68	1	(2)	67	70
Client assets (USD billion)	2,770	2,768	2,687	0	3	2,770	2,687
Loans, gross (USD billion) ¹⁴	176.1	176.4	177.9	0	(1)	176.1	177.9
Customer deposits (USD billion) ¹⁴	284.2	288.7	268.4	(2)	6	284.2	268.4
Recruitment loans to financial advisors ⁴	2,153	2,195	2,350	(2)	(8)	2,153	2,350
Other loans to financial advisors ⁴	851	880	1,007	(3)	(16)	851	1,007
Personnel (full-time equivalents)	22,748	22,925	23,553	(1)	(3)	22,748	23,553
Advisors (full-time equivalents)	10,217	10,403	10,677	(2)	(4)	10,217	10,677

¹ Prior-year comparative figures in this table have been restated for the changes in Corporate Center cost and resource allocation to the business divisions and the changes in the equity attribution framework effective 1 January 2019. Refer to "Note 2 Segment reporting" in the "Consolidated financial statements" section of our second quarter 2019 report for more information about the changes to the Corporate Center cost and resource allocation to business divisions and to the "Recent developments" section of our first quarter 2019 report for more information about the changes in the equity attribution framework. Comparatives may additionally differ as a result of adjustments following organizational changes, restatements due to the retrospective adoption of new accounting standards or changes in accounting policies, and events after the reporting period. ² Recurring net fee income consists of fees for services provided on an ongoing basis, such as portfolio management fees, asset-based investment fund fees, custody fees and account-keeping fees, which are generated on client assets. ³ Transaction-based income consists of the non-recurring portion of net fee and commission income, mainly composed of brokerage and transaction-based investment fund fees, as well as credit card fees and fees for payment transactions, together with Other net income from financial instruments measured at fair value through profit or loss. ⁴ Relates to licensed professionals with the ability to provide investment advice to clients in the Americas. ⁵ Financial advisor variable compensation consists of formulaic compensation based directly on compensable revenues generated by financial advisors and supplemental compensation calculated on the basis of financial advisor productivity, firm tenure, new assets and other variables. ⁶ Compensation commitments with recruited financial advisors represent expenses related to compensation commitments granted to financial advisors at the time of recruitment that are subject to vesting requirements. ⁷ Adjusted results are non-GAAP financial measures as defined by SEC regulations. ⁸ Reflects restructuring expenses related to legacy cost programs as well as expenses for new restructuring initiatives. ⁹ Prior periods may include allocations (to) / from other business divisions. ¹⁰ Refer to the "Performance targets and measurement" section of our Annual Report 2018 for the definitions of our performance measures. ¹¹ Recurring income consists of net interest income and recurring net fee income. ¹² Refer to the "Capital management" section of this report for more information. ¹³ Calculated as operating profit before tax (annualized as applicable) divided by average invested assets. ¹⁴ Loans and Customer deposits in this table include customer brokerage receivables and payables, respectively, which, with the adoption of IFRS 9, effective 1 January 2018 have been reclassified to a separate reporting line on the balance sheet.

Regional breakdown of performance measures¹

<i>As of or for the quarter ended 30.9.19</i>					Total of	of which: ultra high
<i>USD billion, except where indicated</i>	Americas	EMEA	Asia Pacific	Switzerland	regions ²	net worth (UHNW)
Net new money	0.0	3.2	10.9	1.9	16.0	18.2
Net new money growth (%)	0.0	2.4	10.6	3.5	2.6	5.7
Invested assets	1,334	524	420	221	2,498	1,290
Loans, gross	60.7³	36.4	42.6	35.9	175.5	
Advisors (full-time equivalents)	6,627	1,691	1,068	732	10,118	1,068⁴

¹ Refer to the "Performance targets and measurement" section of our Annual Report 2018 for the definitions of our performance measures. ² Excluding minor functions with 99 advisors, USD 4 billion of invested assets, USD 0.6 billion of loans and USD 0.3 billion of net new money outflows in the third quarter of 2019. ³ Loans include customer brokerage receivables, which with the adoption of IFRS 9 effective 1 January 2018 have been reclassified to a separate reporting line on the balance sheet. ⁴ Represents advisors who exclusively serve ultra high net worth clients in a globally managed unit.

Results: 3Q19 vs 3Q18

Profit before tax increased by USD 30 million, or 3%, to USD 894 million. Excluding restructuring expenses, adjusted profit before tax decreased by USD 17 million, or 2%, to USD 919 million, reflecting higher operating expenses, partly offset by higher operating income.

Operating income

Total operating income increased by USD 58 million, or 1%, to USD 4,142 million, mainly driven by higher transaction-based and other income, partly offset by lower recurring net fee and net interest income.

Net interest income decreased by USD 32 million to USD 979 million, mainly reflecting lower deposit and loan margins, partly offset by higher investment-of-equity income.

Recurring net fee income decreased by USD 40 million to USD 2,371 million, reflecting margin compression, mainly driven by shifts into lower-margin mandate products, partly offset by an increase in overall mandate penetration and higher average invested assets.

Transaction-based income increased by USD 91 million to USD 741 million, driven by higher levels of client activity in all regions.

Other income increased by USD 39 million to USD 58 million, primarily due to a gain related to the repositioning of the liquidity portfolio in the Americas and a gain related to legacy securities positions.

Operating expenses

Total operating expenses increased by USD 28 million, or 1%, to USD 3,248 million, and adjusted operating expenses increased by USD 75 million, or 2%, to USD 3,223 million.

Personnel expenses were unchanged at USD 1,903 million, while adjusted personnel expenses increased by USD 12 million to USD 1,903 million, mainly as a result of higher variable compensation.

General and administrative expenses increased by USD 46 million to USD 344 million, predominantly driven by higher expenses for provisions for litigation, regulatory and similar matters, and higher regulatory remediation costs.

Net expenses for services to / from Corporate Center and other business divisions decreased by USD 23 million to USD 985 million. Excluding restructuring expenses, adjusted net expenses for services increased by USD 12 million to USD 959 million.

Expenses for services from Corporate Center decreased by USD 28 million to USD 948 million. Excluding restructuring expenses, adjusted expenses for services from Corporate Center increased by USD 7 million to USD 922 million, mainly reflecting higher operations expenses, mostly data management expenses.

Net expenses for services from other business divisions increased by USD 4 million to USD 37 million, and increased by USD 5 million to USD 37 million on an adjusted basis, mainly due to lower charges for platform execution and wealth planning services provided to Personal & Corporate Banking.

Net new money: 3Q19 vs 3Q18

Net new money inflows were USD 15.7 billion, compared with net inflows of USD 13.8 billion, an annualized net new money growth rate of 2.5%, compared with 2.3%. Net new money from ultra high net worth clients was USD 18.2 billion.

Invested assets: 3Q19 vs 2Q19

Invested assets increased by USD 16 billion to USD 2,502 billion, driven by positive market performance of USD 18 billion and net new money inflows of USD 16 billion, partly offset by negative currency effects of USD 19 billion. Mandate penetration was stable at 34.4%.

Results: 9M19 vs 9M18

Profit before tax decreased by USD 296 million, or 10%, to USD 2,631 million. Excluding a credit of USD 66 million related to our Swiss pension plan in the first quarter of 2018 and restructuring expenses, adjusted profit before tax decreased by USD 366 million, or 12%, to USD 2,678 million, reflecting lower operating income, partly offset by lower operating expenses.

Total operating income decreased by USD 454 million, or 4%, to USD 12,202 million, driven by lower recurring net fee, net interest and transaction-based income.

Net interest income decreased by USD 120 million to USD 2,953 million, primarily as a result of lower deposit and loan margins, as well as lower loan volumes. Decreases in net income from structural risk management activities also contributed to the decrease in net interest income. This was partly offset by higher investment-of-equity income.

Recurring net fee income decreased by USD 299 million to USD 6,904 million, primarily driven by margin compression, mainly reflecting shifts into lower-margin mandate products, and lower average invested assets as a result of a decrease in market levels in the fourth quarter of 2018. This was partly offset by an increase in overall mandate penetration.

Transaction-based income decreased by USD 74 million to USD 2,270 million, mainly as a result of lower levels of client activity in Asia Pacific and, to a lesser extent, in EMEA.

Total operating expenses decreased by USD 158 million, or 2%, to USD 9,571 million, and adjusted operating expenses decreased by USD 88 million, or 1%, to USD 9,524 million.

Personnel expenses decreased by USD 93 million to USD 5,708 million. Excluding the aforementioned credit related to changes to our Swiss pension plan and restructuring expenses, adjusted personnel expenses decreased by USD 140 million to USD 5,709 million, driven by lower variable compensation and lower expenses for compensation commitments to recruited financial advisors.

General and administrative expenses decreased by USD 44 million and adjusted general and administrative expenses decreased by USD 28 million to USD 864 million, predominantly driven by lower expenses for provisions for litigation, regulatory and similar matters.

Net expenses for services to / from Corporate Center and other business divisions decreased by USD 30 million to USD 2,952 million, while adjusted net expenses for services increased by USD 72 million to USD 2,904 million.

Expenses for services from Corporate Center decreased by USD 52 million to USD 2,834 million, while adjusted expenses for services increased by USD 48 million to USD 2,786 million. This increase was mainly driven by higher property-related expenses, mostly in the Americas, and higher operations expenses, mainly data management expenses, as well as higher funding expenses from Group Technology.

Net expenses for services from other business divisions increased by USD 22 million to USD 118 million, and by USD 24 million to USD 118 million on an adjusted basis, mainly due to lower charges for platform execution and wealth planning services provided to the Investment Bank and Personal & Corporate Banking.

Personal & Corporate Banking

Personal & Corporate Banking – in Swiss francs¹

	As of or for the quarter ended			% change from		Year-to-date	
CHF million, except where indicated	30.9.19	30.6.19	30.9.18	2Q19	3Q18	30.9.19	30.9.18
Results							
Net interest income	495	500	505	(1)	(2)	1,486	1,487
Recurring net fee income ²	155	159	157	(3)	(1)	470	468
Transaction-based income ³	283	286	279	(1)	1	852	835
Other income	11	12	15	(11)	(25)	46	46
Income	944	958	956	(1)	(1)	2,853	2,836
Credit loss (expense) / recovery	(30)	(1)	(3)		823	(29)	(38)
Total operating income	914	957	953	(4)	(4)	2,824	2,798
Personnel expenses	204	225	203	(9)	1	647	601
General and administrative expenses	57	53	55	7	4	162	170
Services (to) / from Corporate Center and other business divisions	298	286	303	4	(2)	879	901
of which: services from Corporate Center	323	319	323	1	0	961	976
Depreciation and impairment of property, equipment and software	3	4	3	(11)	0	10	10
Amortization and impairment of intangible assets	0	0	0			0	0
Total operating expenses	562	568	563	(1)	0	1,697	1,681
Business division operating profit / (loss) before tax	353	389	390	(9)	(10)	1,127	1,117

Adjusted results⁴

Total operating income as reported	914	957	953	(4)	(4)	2,824	2,798
Total operating income (adjusted)	914	957	953	(4)	(4)	2,824	2,798
Total operating expenses as reported	562	568	563	(1)	0	1,697	1,681
of which: personnel-related restructuring expenses ⁵	0	0	1			0	3
of which: non-personnel-related restructuring expenses ⁵	0	0	0			0	0
of which: restructuring expenses allocated from Corporate Center ^{5,6}	8	2	8			14	25
of which: gain related to changes to the Swiss pension plan							(35)
Total operating expenses (adjusted)	554	565	554	(2)	0	1,684	1,688
Business division operating profit / (loss) before tax as reported	353	389	390	(9)	(10)	1,127	1,117
Business division operating profit / (loss) before tax (adjusted)	360	391	399	(8)	(10)	1,141	1,110

Performance measures⁷

Pre-tax profit growth (%)	(9.6)	13.5	2.3			0.9	2.5
Cost / income ratio (%)	59.5	59.2	58.9			59.5	59.3
Net interest margin (bps)	150	152	154			151	152

Adjusted performance measures^{4,7}

Pre-tax profit growth (%)	(9.8)	11.0	(1.8)			2.7	(4.0)
Cost / income ratio (%)	58.7	59.0	57.9			59.0	59.5

Personal & Corporate Banking – in Swiss francs (continued)¹

	As of or for the quarter ended			% change from		Year-to-date	
CHF million, except where indicated	30.9.19	30.6.19	30.9.18	2Q19	3Q18	30.9.19	30.9.18
Additional information							
Average attributed equity (CHF billion) ⁸	8.4	8.3	7.8	1	7	8.3	7.7
Return on attributed equity (%) ⁸	16.8	18.7	19.9			18.0	19.3
Risk-weighted assets (CHF billion) ⁸	64.4	64.2	60.2	0	7	64.4	60.2
Leverage ratio denominator (CHF billion) ⁸	214.3	209.5	207.3	2	3	214.3	207.3
Business volume for personal banking (CHF billion)	161	160	157	0	2	161	157
Net new business volume for personal banking (CHF billion)	1.2	1.8	1.7			6.2	5.7
Net new business volume growth for personal banking (%) ⁹	3.1	4.4	4.5			5.3	4.9
Client assets (CHF billion) ¹⁰	670	662	665	1	1	670	665
Loans, gross (CHF billion)	132.0	131.9	131.0	0	1	132.0	131.0
Customer deposits (CHF billion)	145.3	143.1	139.7	2	4	145.3	139.7
Secured loan portfolio as a percentage of total loan portfolio, gross (%)	91.8	92.0	92.2			91.8	92.2
Impaired loan portfolio as a percentage of total loan portfolio, gross (%) ¹¹	1.3	1.2	1.2			1.3	1.2
Personnel (full-time equivalents)	5,183	5,184	5,200	0	0	5,183	5,200

¹ Prior-year comparative figures in this table have been restated for the changes in Corporate Center cost and resource allocation to the business divisions and the changes in the equity attribution framework effective 1 January 2019. Refer to "Note 2 Segment reporting" in the "Consolidated financial statements" section of our second quarter 2019 report for more information about the changes to the Corporate Center cost and resource allocation to business divisions and to the "Recent developments" section of our first quarter 2019 report for more information about the changes in the equity attribution framework. Comparatives may additionally differ as a result of adjustments following organizational changes, restatements due to the retrospective adoption of new accounting standards or changes in accounting policies, and events after the reporting period. ² Recurring net fee income consists of fees for services provided on an ongoing basis, such as portfolio management fees, asset-based investment fund fees, custody fees and account-keeping fees, which are generated on client assets. ³ Transaction-based income comprises the non-recurring portion of net fee and commission income, mainly consisting of brokerage and transaction-based investment fund fees, as well as credit card fees and fees for payment transactions, together with Other net income from financial instruments measured at fair value through profit or loss. ⁴ Adjusted results are non-GAAP financial measures as defined by SEC regulations. ⁵ Reflects restructuring expenses related to legacy cost programs. ⁶ Prior periods may include allocations (to) / from other business divisions. ⁷ Refer to the "Performance targets and measurement" section of our Annual Report 2018 for the definitions of our performance measures. ⁸ Refer to the "Capital management" section of this report for more information. ⁹ Calculated as net new business volume for the period (annualized as applicable) divided by business volume at the beginning of the period. ¹⁰ Client assets are comprised of invested assets and other assets held purely for transactional purposes or custody only. We do not measure net new money for Personal & Corporate Banking. ¹¹ Refer to the "Risk management and control" section of this report for more information about (credit-)impaired exposures.

Results: 3Q19 vs 3Q18

Profit before tax decreased by CHF 37 million, or 10%, to CHF 353 million, while adjusted profit before tax decreased by CHF 39 million, or 10%, to CHF 360 million, predominantly reflecting lower operating income.

Operating income

Total operating income decreased by CHF 39 million, or 4%, to CHF 914 million from CHF 953 million, mainly reflecting higher net credit loss expenses as well as lower net interest income.

Net interest income decreased by CHF 10 million to CHF 495 million, mainly as a result of the persistent low interest rate environment leading to lower deposit margin.

Recurring net fee income was stable at CHF 155 million.

Transaction-based income increased by CHF 4 million to CHF 283 million, mainly reflecting higher revenues from credit card and foreign exchange transactions.

Other income decreased by CHF 4 million to CHF 11 million, mainly reflecting lower revenues from our equity participations.

Net credit loss expenses were CHF 30 million, compared with expenses of CHF 3 million in the third quarter of 2018. Stage 3 expected credit losses were CHF 29 million, mainly related to a single exposure, compared with CHF 7 million in the prior-year period.

Operating expenses

Total operating expenses decreased by CHF 1 million to CHF 562 million. Excluding restructuring expenses, adjusted operating expenses were stable at CHF 554 million.

Personnel expenses were stable at CHF 204 million.

General and administrative expenses increased to CHF 57 million from CHF 55 million.

Net expenses for services to / from Corporate Center and other business divisions decreased by CHF 5 million to CHF 298 million, and decreased by CHF 5 million to CHF 290 million on an adjusted basis.

Expenses for services from Corporate Center on a reported and an adjusted basis were unchanged at CHF 323 million and CHF 315 million, respectively.

Net cost recovery from services to / from other business divisions and services to Corporate Center increased by CHF 4 million to CHF 25 million, and increased by CHF 5 million to CHF 25 million on an adjusted basis, mainly reflecting lower charges for platform execution and wealth planning services consumed from Global Wealth Management.

Results: 9M19 vs 9M18

Profit before tax increased by CHF 10 million, or 1%, to CHF 1,127 million, and adjusted profit before tax increased by CHF 31 million, or 3%, to CHF 1,141 million, mainly reflecting higher income and lower credit loss expenses.

Total operating income increased by CHF 26 million, or 1%, to CHF 2,824 million. Net interest income was broadly stable at CHF 1,486 million, as higher deposit and loan revenues were offset by higher funding costs for total loss-absorbing capacity.

Recurring net fee income increased by CHF 2 million to CHF 470 million. Transaction-based income increased by CHF 17 million to CHF 852 million, mainly as a result of higher revenues from credit card transactions. Other income was stable at CHF 46 million.

Net credit loss expenses were CHF 29 million, compared with CHF 38 million. Stage 3 expected credit losses were CHF 44 million, primarily in the Corporate Clients area and mainly related to a single exposure, compared with losses of CHF 25 million in the prior-year period. Stage 1 and 2 expected credit loss releases were CHF 15 million, compared with CHF 13 million losses in the prior-year period.

Total operating expenses increased by CHF 16 million, or 1%, to CHF 1,697 million, due to the first nine months of 2018 including a credit of CHF 35 million related to changes to our Swiss pension plan. Adjusted operating expenses decreased by CHF 4 million to CHF 1,684 million.

Personnel expenses increased by CHF 46 million to CHF 647 million, and on an adjusted basis increased by CHF 14 million to CHF 647 million.

General and administrative expenses decreased by CHF 8 million to CHF 162 million, mainly reflecting lower consulting and marketing costs.

Net expenses for services to / from Corporate Center and other business divisions decreased by CHF 22 million to CHF 879 million, and decreased by CHF 11 million to CHF 865 million on an adjusted basis.

Expenses for services from Corporate Center decreased by CHF 15 million to CHF 961 million, and decreased by CHF 2 million to CHF 947 million on an adjusted basis.

Net cost recovery from services to / from other business divisions and services to Corporate Center increased by CHF 6 million to CHF 82 million, and increased by CHF 8 million to CHF 82 million on an adjusted basis, mainly reflecting lower charges for platform execution and wealth planning services consumed from Global Wealth Management.

Personal & Corporate Banking – in US dollars¹

	As of or for the quarter ended			% change from		Year-to-date	
<i>USD million, except where indicated</i>	30.9.19	30.6.19	30.9.18	2Q19	3Q18	30.9.19	30.9.18
Results							
Net interest income	497	501	515	(1)	(3)	1,491	1,532
Recurring net fee income ²	156	160	160	(2)	(3)	471	482
Transaction-based income ³	285	286	285	(1)	0	854	860
Other income	11	13	15	(11)	(26)	46	47
Income	949	959	976	(1)	(3)	2,863	2,922
Credit loss (expense) / recovery	(30)	(1)	(3)		774	(29)	(39)
Total operating income	919	958	972	(4)	(5)	2,834	2,883
Personnel expenses	205	225	207	(9)	(1)	649	618
General and administrative expenses	57	53	56	8	3	162	175
Services (to) / from Corporate Center and other business divisions	299	286	309	4	(3)	882	928
<i>of which: services from Corporate Center</i>	324	319	330	2	(2)	964	1,006
Depreciation and impairment of property, equipment and software	3	4	3	(11)	(2)	10	10
Amortization and impairment of intangible assets	0	0	0			0	0
Total operating expenses	565	568	574	(1)	(2)	1,703	1,731
Business division operating profit / (loss) before tax	354	390	398	(9)	(11)	1,131	1,152
Adjusted results⁴							
Total operating income as reported	919	958	972	(4)	(5)	2,834	2,883
Total operating income (adjusted)	919	958	972	(4)	(5)	2,834	2,883
Total operating expenses as reported	565	568	574	(1)	(2)	1,703	1,731
<i>of which: personnel-related restructuring expenses⁵</i>	0	0	1			0	3
<i>of which: non-personnel-related restructuring expenses⁵</i>	0	0	0			0	0
<i>of which: restructuring expenses allocated from Corporate Center^{5,6}</i>	8	2	8			14	26
<i>of which: gain related to changes to the Swiss pension plan</i>							(38)
Total operating expenses (adjusted)	557	566	565	(2)	(1)	1,690	1,739
Business division operating profit / (loss) before tax as reported	354	390	398	(9)	(11)	1,131	1,152
Business division operating profit / (loss) before tax (adjusted)	362	392	407	(8)	(11)	1,145	1,144
Performance measures⁷							
Pre-tax profit growth (%)	(10.9)	12.5	0.7			(1.8)	3.6
Cost / income ratio (%)	59.5	59.3	58.9			59.5	59.2
Net interest margin (bps)	149	150	155			149	152
Adjusted performance measures^{4,7}							
Pre-tax profit growth (%)	(11.0)	10.0	(3.4)			0.1	(3.2)
Cost / income ratio (%)	58.7	59.0	57.9			59.0	59.5

Personal & Corporate Banking – in US dollars (continued)¹

<i>USD million, except where indicated</i>	As of or for the quarter ended			% change from		Year-to-date	
	30.9.19	30.6.19	30.9.18	2Q19	3Q18	30.9.19	30.9.18
Additional information							
Average attributed equity (USD billion) ⁸	8.5	8.3	8.0	2	6	8.4	8.0
Return on attributed equity (%) ⁸	16.8	18.8	19.9			18.0	19.3
Risk-weighted assets (USD billion) ⁸	64.5	65.7	61.4	(2)	5	64.5	61.4
Leverage ratio denominator (USD billion) ⁸	214.6	214.6	211.3	0	2	214.6	211.3
Business volume for personal banking (USD billion)	161	164	160	(2)	1	161	160
Net new business volume for personal banking (USD billion)	1.2	1.8	1.8			6.2	5.9
Net new business volume growth for personal banking (%) ⁹	3.0	4.4	4.5			5.2	4.9
Client assets (USD billion) ¹⁰	671	678	678	(1)	(1)	671	678
Loans, gross (USD billion)	132.2	135.1	133.5	(2)	(1)	132.2	133.5
Customer deposits (USD billion)	145.5	146.6	142.4	(1)	2	145.5	142.4
Secured loan portfolio as a percentage of total loan portfolio, gross (%)	91.8	92.0	92.2			91.8	92.2
Impaired loan portfolio as a percentage of total loan portfolio, gross (%) ¹¹	1.3	1.2	1.2			1.3	1.2
Personnel (full-time equivalents)	5,183	5,184	5,200	0	0	5,183	5,200

¹ Prior-year comparative figures in this table have been restated for the changes in Corporate Center cost and resource allocation to the business divisions and the changes in the equity attribution framework effective 1 January 2019. Refer to "Note 2 Segment reporting" in the "Consolidated financial statements" section of our second quarter 2019 report for more information about the changes to the Corporate Center cost and resource allocation to business divisions and to the "Recent developments" section of our first quarter 2019 report for more information about the changes in the equity attribution framework. Comparatives may additionally differ as a result of adjustments following organizational changes, restatements due to the retrospective adoption of new accounting standards or changes in accounting policies, and events after the reporting period. ² Recurring net fee income consists of fees for services provided on an ongoing basis, such as portfolio management fees, asset-based investment fund fees, custody fees and account-keeping fees, which are generated on client assets. ³ Transaction-based income comprises the non-recurring portion of net fee and commission income, mainly consisting of brokerage and transaction-based investment fund fees, as well as credit card fees and fees for payment transactions, together with Other net income from financial instruments measured at fair value through profit or loss. ⁴ Adjusted results are non-GAAP financial measures as defined by SEC regulations. ⁵ Reflects restructuring expenses related to legacy cost programs. ⁶ Prior periods may include allocations (to) / from other business divisions. ⁷ Refer to the "Performance targets and measurement" section of our Annual Report 2018 for the definitions of our performance measures. ⁸ Refer to the "Capital management" section of this report for more information. ⁹ Calculated as net new business volume for the period (annualized as applicable) divided by business volume at the beginning of the period. ¹⁰ Client assets are comprised of invested assets and other assets held purely for transactional purposes or custody only. We do not measure net new money for Personal & Corporate Banking. ¹¹ Refer to the "Risk management and control" section of this report for more information about (credit-)impaired exposures.

Asset Management

Asset Management¹

	As of or for the quarter ended			% change from		Year-to-date	
<i>USD million, except where indicated</i>	30.9.19	30.6.19	30.9.18	2Q19	3Q18	30.9.19	30.9.18
Results							
Net management fees ²	452	452	440	0	3	1,323	1,333
Performance fees	14	23	17	(40)	(20)	64	52
Total operating income	465	475	457	(2)	2	1,386	1,384
Personnel expenses	174	186	169	(6)	3	538	537
General and administrative expenses	49	44	45	9	7	141	145
Services (to) / from Corporate Center and other business divisions	119	121	124	(1)	(4)	356	380
<i>of which: services from Corporate Center</i>	<i>130</i>	<i>131</i>	<i>135</i>	<i>(1)</i>	<i>(4)</i>	<i>389</i>	<i>413</i>
Depreciation and impairment of property, equipment and software	0	0	0	13	(50)	1	1
Amortization and impairment of intangible assets	0	0	0			0	1
Total operating expenses	341	351	339	(3)	1	1,035	1,064
Business division operating profit / (loss) before tax	124	124	118	0	5	352	320
Adjusted results³							
Total operating income as reported	465	475	457	(2)	2	1,386	1,384
Total operating income (adjusted)	465	475	457	(2)	2	1,386	1,384
Total operating expenses as reported	341	351	339	(3)	1	1,035	1,064
<i>of which: personnel-related restructuring expenses⁴</i>	<i>1</i>	<i>3</i>	<i>2</i>			<i>6</i>	<i>18</i>
<i>of which: non-personnel-related restructuring expenses⁴</i>	<i>2</i>	<i>2</i>	<i>1</i>			<i>6</i>	<i>7</i>
<i>of which: restructuring expenses allocated from Corporate Center⁴</i>	<i>8</i>	<i>5</i>	<i>6</i>			<i>15</i>	<i>21</i>
<i>of which: gain related to changes to the Swiss pension plan</i>							<i>(10)</i>
Total operating expenses (adjusted)	331	340	330	(3)	0	1,008	1,028
Business division operating profit / (loss) before tax as reported	124	124	118	0	5	352	320
Business division operating profit / (loss) before tax (adjusted)	135	135	127	0	6	378	356
Performance measures⁵							
Pre-tax profit growth (%)	5.2	28.8	(7.2)			10.0	(3.1)
Cost / income ratio (%)	73.3	73.8	74.2			74.6	76.9
Net new money growth excluding money market flows (%) ⁶	13.1	(7.6)	0.3			1.6	5.6
Adjusted performance measures^{3,5}							
Pre-tax profit growth (%) ⁷	6.3	10.0	(12.3)			6.3	(5.3)
Cost / income ratio (%)	71.1	71.7	72.3			72.7	74.3
Information by business line / asset class							
Net new money (USD billion)⁶							
Equities	19.6	(10.1)	(4.5)			15.5	15.2
Fixed Income	7.6	(1.9)	7.5			0.3	1.6
<i>of which: money market</i>	<i>8.9</i>	<i>(1.1)</i>	<i>2.6</i>			<i>10.2</i>	<i>4.7</i>
Multi-asset & Solutions	6.7	(1.5)	(0.3)			4.1	14.9
Hedge Fund Businesses	(1.2)	(1.4)	(0.4)			(2.8)	0.7
Real Estate & Private Markets	0.4	0.0	1.0			1.1	2.0
Total net new money	33.1	(15.0)	3.2			18.2	34.4
<i>of which: net new money excluding money markets</i>	<i>24.1</i>	<i>(13.9)</i>	<i>0.6</i>			<i>8.0</i>	<i>29.6</i>

Asset Management (continued)¹

	As of or for the quarter ended			% change from		Year-to-date	
USD million, except where indicated	30.9.19	30.6.19	30.9.18	2Q19	3Q18	30.9.19	30.9.18
Invested assets (USD billion)⁶							
Equities	328	312	315	5	4	328	315
Fixed Income	259	252	245	3	6	259	245
<i>of which: money market</i>	106	97	92	9	14	106	92
Multi-asset & Solutions	147	141	144	4	2	147	144
Hedge Fund Businesses	41	42	44	(2)	(6)	41	44
Real Estate & Private Markets	83	84	82	(1)	2	83	82
Total invested assets	858	831	830	3	3	858	830
<i>of which: passive strategies</i>	342	326	318	5	8	342	318

Information by region

Invested assets (USD billion)							
Americas	211	194	197	9	7	211	197
Asia Pacific	147	151	153	(3)	(4)	147	153
Europe, Middle East and Africa	214	209	209	2	2	214	209
Switzerland	286	277	271	3	6	286	271
Total invested assets	858	831	830	3	3	858	830

Information by channel

Invested assets (USD billion)							
Third-party institutional	526	513	523	3	1	526	523
Third-party wholesale	88	88	84	0	5	88	84
UBS's wealth management businesses	244	230	223	6	9	244	223
Total invested assets	858	831	830	3	3	858	830

Additional information

Average attributed equity (USD billion) ⁸	1.8	1.8	1.8	(1)	(1)	1.8	1.8
Return on attributed equity (%) ⁹	27.9	27.6	26.2			26.1	23.4
Risk-weighted assets (USD billion) ⁸	4.6	4.6	4.3	0	7	4.6	4.3
Leverage ratio denominator (USD billion) ⁸	5.2	4.7	4.7	11	10	5.2	4.7
Goodwill and intangible assets (USD billion)	1.3	1.4	1.4	(1)	(2)	1.3	1.4
Net margin on invested assets (bps) ⁹	6	6	6	(2)	3	6	5
Gross margin on invested assets (bps)	22	23	22	(4)	(1)	22	22
Personnel (full-time equivalents)	2,308	2,288	2,321	1	(1)	2,308	2,321

¹ Prior-year comparative figures in this table have been restated for the changes in Corporate Center cost and resource allocation to the business divisions and the changes in the equity attribution framework effective 1 January 2019. Refer to "Note 2 Segment reporting" in the "Consolidated financial statements" section of our second quarter 2019 report for more information about the changes to the Corporate Center cost and resource allocation to business divisions and to the "Recent developments" section of our first quarter 2019 report for more information about the changes in the equity attribution framework. Comparatives may additionally differ as a result of adjustments following organizational changes, restatements due to the retrospective adoption of new accounting standards or changes in accounting policies, and events after the reporting period. ² Net management fees include transaction fees, fund administration revenues (including net interest and trading income from lending activities and foreign exchange hedging as part of the fund services offering), gains or losses from seed money and co-investments, funding costs, and other items that are not performance fees. ³ Adjusted results are non-GAAP financial measures as defined by SEC regulations. ⁴ Reflects restructuring expenses related to legacy cost programs as well as expenses for new restructuring initiatives. ⁵ Refer to the "Performance targets and measurement" section of our Annual Report 2018 for the definitions of our performance measures. ⁶ Effective 1 January 2019, certain assets have been reclassified between asset classes to better reflect their underlying nature, with prior-period information restated. The adjustments have no effect on total net new money and total invested assets. ⁷ Excluding the effect of business exits. ⁸ Refer to the "Capital management" section of this report for more information. ⁹ Calculated as operating profit before tax (annualized as applicable) divided by average invested assets.

Results: 3Q19 vs 3Q18

Profit before tax increased by USD 6 million, or 5%, to USD 124 million. Excluding restructuring expenses, adjusted profit before tax increased by USD 8 million, or 6%, to USD 135 million, reflecting higher operating income.

Operating income

Total operating income increased by USD 8 million, or 2%, to USD 465 million.

Net management fees increased by USD 12 million to USD 452 million, with the effect of higher average invested assets more than offsetting continued pressure on margins.

Performance fees decreased by USD 3 million to USD 14 million, driven by a decrease in performance fees in Equities and Real Estate & Private Markets, partly offset by higher performance fees in Hedge Fund Businesses.

Operating expenses

Total operating expenses increased by USD 2 million, or 1%, to USD 341 million, and adjusted operating expenses were stable at USD 331 million.

Personnel expenses increased by USD 5 million to USD 174 million. Excluding restructuring expenses, adjusted personnel expenses increased by USD 6 million to USD 173 million, driven primarily by increased expenses for variable compensation.

General and administrative expenses increased by USD 4 million to USD 49 million. Excluding restructuring expenses, adjusted general and administrative expenses increased by USD 3 million to USD 47 million.

Net expenses for services to / from Corporate Center and other business divisions decreased by USD 5 million to USD 119 million, and by USD 8 million to USD 111 million on an adjusted basis.

Expenses for services from Corporate Center decreased by USD 5 million to USD 130 million on a reported basis, and by USD 7 million to USD 122 million on an adjusted basis. This decrease was primarily driven by the shift of market data service charges from Group Operations to the Asset Management business.

Net cost recovery from services to / from other business divisions and services to Corporate Center was stable at USD 11 million on both a reported and an adjusted basis.

Net new money: 3Q19 vs 3Q18

Net new money inflows were USD 33.1 billion, compared with net inflows of USD 3.2 billion. Excluding money market flows, net new money inflows were USD 24.1 billion, compared with net inflows of USD 0.6 billion, an annualized net new money growth rate of positive 13.1%, compared with positive 0.3%. Strong net new money generation reflected the funding of previously delayed investment decisions.

Invested assets: 3Q19 vs 2Q19

Invested assets increased by USD 27 billion to USD 858 billion, reflecting inflows of USD 33 billion and positive market performance of USD 7 billion, partly offset by currency effects of USD 13 billion, resulting primarily from the strengthening of the US dollar against the euro and the Swiss franc.

Results: 9M19 vs 9M18

Profit before tax increased by USD 32 million, or 10%, to USD 352 million. Excluding a credit of USD 10 million related to changes to our Swiss pension plan in the first quarter of 2018 and restructuring expenses, adjusted profit before tax increased by USD 22 million, or 6%, to USD 378 million, mainly driven by lower operating expenses.

Total operating income increased by USD 2 million to USD 1,386 million, reflecting increased performance fees, largely offset by lower net management fees.

Net management fees decreased by USD 10 million to USD 1,323 million, reflecting lower average invested assets as a result of the lower market levels at the end of the fourth quarter of 2018.

Performance fees increased by USD 12 million to USD 64 million, mainly driven by an increase in performance fees for Equities.

Total operating expenses decreased by USD 29 million, or 3%, to USD 1,035 million, and adjusted operating expenses decreased by USD 20 million, or 2%, to USD 1,008 million.

Personnel expenses were virtually unchanged at USD 538 million. Excluding the aforementioned credit related to changes to our Swiss pension plan in the first quarter of 2018 and restructuring expenses, adjusted personnel expenses increased by USD 3 million to USD 532 million, driven by increased expenses for variable compensation.

General and administrative expenses decreased by USD 4 million to USD 141 million, and adjusted general and administrative expenses by USD 3 million to USD 135 million.

Net expenses for services to / from Corporate Center and other business divisions decreased by USD 24 million to USD 356 million, and adjusted expenses for services decreased by USD 18 million to USD 341 million.

Expenses for services from Corporate Center decreased by USD 24 million to USD 389 million on a reported basis, and by USD 18 million to USD 374 million on an adjusted basis. This decrease was primarily driven by the shift of market data service charges from Group Operations to the Asset Management business.

Net cost recovery from services to / from other business divisions and services to Corporate Center was stable at USD 33 million on both a reported and an adjusted basis.

Investment Bank

Investment Bank¹

	As of or for the quarter ended			% change from		Year-to-date	
<i>USD million, except where indicated</i>	30.9.19	30.6.19	30.9.18	2Q19	3Q18	30.9.19	30.9.18
Results							
Corporate Client Solutions	532	742	657	(28)	(19)	1,724	2,160
Advisory	186	268	236	(31)	(21)	563	601
Equity Capital Markets	126	235	161	(46)	(22)	487	664
Debt Capital Markets	156	164	183	(5)	(15)	474	609
Financing Solutions	76	69	74	9	2	201	225
Risk Management	(12)	6	3			0	61
Investor Client Services	1,220	1,331	1,285	(8)	(5)	3,888	4,380
Equities	838	940	899	(11)	(7)	2,661	3,074
Foreign Exchange, Rates and Credit	382	391	386	(2)	(1)	1,227	1,306
Income	1,752	2,073	1,942	(15)	(10)	5,612	6,540
Credit loss (expense) / recovery	0	(1)	1		(96)	(24)	(20)
Total operating income	1,752	2,071	1,944	(15)	(10)	5,588	6,520
Personnel expenses	699	794	673	(12)	4	2,198	2,404
General and administrative expenses	143	143	101	0	42	427	398
Services (to) / from Corporate Center and other business divisions	735	704	709	4	4	2,147	2,137
<i>of which: services from Corporate Center</i>	748	717	727	4	3	2,187	2,175
Depreciation and impairment of property, equipment and software	2	2	2	20	(14)	5	6
Amortization and impairment of intangible assets	1	2	5	(28)	(77)	5	10
Total operating expenses	1,580	1,644	1,490	(4)	6	4,782	4,956
Business division operating profit / (loss) before tax	172	427	453	(60)	(62)	806	1,564
Adjusted results²							
Total operating income as reported	1,752	2,071	1,944	(15)	(10)	5,588	6,520
Total operating income (adjusted)	1,752	2,071	1,944	(15)	(10)	5,588	6,520
Total operating expenses as reported	1,580	1,644	1,490	(4)	6	4,782	4,956
<i>of which: personnel-related restructuring expenses³</i>	1	1	1			3	15
<i>of which: non-personnel-related restructuring expenses³</i>	1	2	3			5	8
<i>of which: restructuring expenses allocated from Corporate Center³</i>	28	10	32			49	97
<i>of which: gain related to changes to the Swiss pension plan</i>							(5)
Total operating expenses (adjusted)	1,549	1,631	1,455	(5)	6	4,725	4,841
Business division operating profit / (loss) before tax as reported	172	427	453	(60)	(62)	806	1,564
Business division operating profit / (loss) before tax (adjusted)	203	440	489	(54)	(59)	864	1,679
Performance measures⁴							
Return on attributed equity (%) ⁵	5.6	13.8	14.2			8.7	15.9
Cost / income ratio (%)	90.2	79.3	76.7			85.2	75.8
Adjusted performance measures^{2,4}							
Return on attributed equity (%) ⁵	6.6	14.2	15.3			9.4	17.1
Cost / income ratio (%)	88.4	78.7	74.9			84.2	74.0

Investment Bank (continued)¹

	As of or for the quarter ended			% change from		Year-to-date	
<i>USD million, except where indicated</i>	30.9.19	30.6.19	30.9.18	2Q19	3Q18	30.9.19	30.9.18
Additional information							
Pre-tax profit growth (%)	(62.0)	(20.2)	89.7			(48.5)	43.8
Adjusted pre-tax profit growth (%)	(58.5)	(23.0)	50.3			(48.6)	37.5
Average attributed equity (USD billion) ⁵	12.2	12.4	12.8	(1)	(4)	12.3	13.1
Risk-weighted assets (USD billion) ⁵	88.9	85.9	87.6	4	2	88.9	87.6
Return on risk-weighted assets, gross (%)	8.0	9.3	8.9			8.3	9.8
Leverage ratio denominator (USD billion) ⁵	299.7	300.4	315.7	0	(5)	299.7	315.7
Return on leverage ratio denominator, gross (%)	2.3	2.8	2.5			2.5	2.8
Goodwill and intangible assets (USD billion)	0.1	0.1	0.0	(6)	143	0.1	0.0
Compensation ratio (%)	39.9	38.3	34.7			39.2	36.8
Average VaR (1-day, 95% confidence, 5 years of historical data)	10	10	9	4	20	10	11
Impaired loan portfolio as a percentage of total loan portfolio, gross (%) ⁶	1.6	1.2	1.1			1.6	1.1
Personnel (full-time equivalents)	5,482	5,333	4,957	3	11	5,482	4,957

¹ Prior-year comparative figures in this table have been restated for the changes in Corporate Center cost and resource allocation to the business divisions and the changes in the equity attribution framework effective 1 January 2019. Refer to "Note 2 Segment reporting" in the "Consolidated financial statements" section of our second quarter 2019 report for more information about the changes to the Corporate Center cost and resource allocation to business divisions and to the "Recent developments" section of our first quarter 2019 report for more information about the changes in the equity attribution framework. Comparatives may additionally differ as a result of adjustments following organizational changes, restatements due to the retrospective adoption of new accounting standards or changes in accounting policies, and events after the reporting period. ² Adjusted results are non-GAAP financial measures as defined by SEC regulations. ³ Reflects restructuring expenses related to legacy cost programs. ⁴ Refer to the "Performance targets and measurement" section of our Annual Report 2018 for the definitions of our performance measures. ⁵ Refer to the "Capital management" section of this report for more information. ⁶ Refer to the "Risk management and control" section of this report for more information about (credit-)impaired loan exposures.

Results: 3Q19 vs 3Q18

Profit before tax decreased by USD 281 million, or 62%, to USD 172 million. Excluding restructuring expenses, adjusted profit before tax decreased by USD 286 million, or 59%, to USD 203 million. This was driven by lower operating income and higher operating expenses.

Operating income

Total operating income decreased by USD 192 million, or 10%, to USD 1,752 million. This mainly reflected lower revenues in Corporate Client Solutions, in part due to a reduction in global fee pools, as well as a decrease in Equities amid ongoing challenging market conditions.

Corporate Client Solutions

Corporate Client Solutions revenues decreased by USD 125 million, or 19%, to USD 532 million, largely driven by decreases in Advisory, Equity Capital Markets and Debt Capital Markets.

Advisory revenues decreased by USD 50 million, or 21%, to USD 186 million from a strong prior-year quarter of USD 236 million, mainly driven by lower revenues from merger and acquisition transactions, against a 10% decrease in the global fee pool.

Equity Capital Markets revenues decreased by USD 35 million, or 22%, to USD 126 million, mainly reflecting lower revenues from public offerings across all regions, against a global fee pool increase of 4%. Revenues from private transactions were broadly stable.

Debt Capital Markets revenues decreased by USD 27 million, or 15%, to USD 156 million. Investment grade revenues increased 37%, against a global fee pool increase of 17%. Leveraged finance revenues decreased 45%, against a global fee pool decrease of 18% and a strong prior-year quarter.

Financing Solutions revenues increased by USD 2 million, or 2%, to USD 76 million.

Risk Management revenues were negative USD 12 million, compared with positive USD 3 million, mainly resulting from valuation losses on a restructured debt position.

Investor Client Services

Investor Client Services revenues decreased by USD 65 million, or 5%, to USD 1,220 million, mainly reflecting decreases in Equities.

Equities

Equities revenues decreased by USD 61 million, or 7%, to USD 838 million, reflecting a more challenging market environment with lower client activity levels, as well as the strong third quarter of 2018.

Cash revenues were broadly unchanged at USD 294 million.

Derivatives revenues decreased to USD 170 million from USD 243 million, reflecting the strong third quarter of 2018 and lower client activity levels.

Financing Services revenues decreased to USD 369 million from USD 380 million, mainly driven by lower prime brokerage revenues as a result of lower client balances and margin compression.

Foreign Exchange, Rates and Credit

Foreign Exchange, Rates and Credit revenues decreased slightly by USD 4 million, or 1%, to USD 382 million. Foreign Exchange revenues increased 2% as the business benefited from higher levels of volatility in August. Rates and Credit revenues decreased 6%, reflecting challenging market conditions.

Operating expenses

Total operating expenses increased by USD 90 million, or 6%, to USD 1,580 million, and adjusted operating expenses increased by USD 94 million, or 6%, to USD 1,549 million.

Personnel expenses increased by USD 26 million to USD 699 million, and adjusted personnel expenses increased by USD 26 million to USD 698 million.

General and administrative expenses increased by USD 42 million to USD 143 million, and on an adjusted basis increased by USD 43 million to USD 142 million, mostly due to the prior-year period including a USD 59 million net release of provisions for litigation, regulatory and similar matters.

Net expenses for services to / from Corporate Center and other business divisions increased to USD 735 million from USD 709 million. Excluding restructuring expenses, adjusted net expenses increased to USD 707 million from USD 677 million.

Expenses for services from Corporate Center increased by USD 21 million to USD 748 million, and by USD 25 million to USD 720 million on an adjusted basis. This reflected higher expenses for IT development and amortization of software and compliance costs.

Net cost recovery from services to / from other business divisions and services to Corporate Center decreased by USD 5 million on both a reported and an adjusted basis due to lower charges in connection with Group regulatory projects.

Risk-weighted assets and leverage ratio denominator: 3Q19 vs 2Q19

Risk-weighted assets

Total risk-weighted assets (RWA) increased by USD 3 billion to USD 89 billion, driven by higher credit risk RWA, reflecting increases in traded loans, term loans exposures and unutilized credit facilities, partly offset by lower market risk RWA, reflecting lower average regulatory and stressed value-at-risk (VaR) levels.

→ **Refer to the "Capital management" section of this report for more information**

Leverage ratio denominator

The leverage ratio denominator (LRD) was flat at USD 300 billion.

→ **Refer to the "Capital management" and "Balance sheet, liquidity and funding management" sections of this report for more information**

Results: 9M19 vs 9M18

Profit before tax decreased by USD 758 million, or 48%, to USD 806 million. Excluding restructuring expenses, adjusted profit before tax decreased by USD 815 million, or 49%, to USD 864 million. This mainly resulted from lower operating income, reflecting lower levels of client activity and decreases in the global fee pools, partly offset by lower operating expenses.

Revenues in Corporate Client Solutions decreased by USD 436 million, or 20%, to USD 1,724 million, as a result of significantly lower levels of market activity and decreased private transaction revenues, particularly in Equity Capital Markets, and compared with the strong first nine months of 2018.

Advisory revenues decreased by USD 38 million, or 6%, to USD 563 million, reflecting lower revenues from merger and acquisition transactions, while the global fee pool decreased 12%. This was partly offset by higher revenues from private transactions.

Equity Capital Markets revenues decreased 27% to USD 487 million from USD 664 million, largely driven by lower revenues from private transactions due to the strong prior-year period, as well as lower revenues from public offerings, against a decrease in the global fee pool of 14%.

Debt Capital Markets revenues decreased 22% to USD 474 million from USD 609 million, mainly reflecting lower leveraged finance revenues, against a global fee pool decrease of 23%.

Financing Solutions revenues decreased 10% to USD 201 million from USD 225 million, reflecting lower levels of client activity across most products.

Risk Management revenues were marginally negative, compared with positive USD 61 million, mainly due to lower gains from a portfolio of loans that were largely exited in 2018 and by lower gains on a restructured debt position.

Investor Client Services revenues decreased by USD 492 million, or 11%, to USD 3,888 million, reflecting lower revenues across Equities and Foreign Exchange, Rates and Credit.

Equities revenues decreased by USD 413 million, or 13%, to USD 2,661 million. Cash revenues decreased to USD 885 million from USD 955 million, mainly reflecting lower client activity levels. Derivatives revenues decreased to USD 683 million from USD 885 million, reflecting the strong prior-year period and lower client activity levels. Financing Services revenues decreased to USD 1,106 million from USD 1,265 million, reflecting lower client activity levels across most products.

Foreign Exchange, Rates and Credit revenues decreased 6% to USD 1,227 million from USD 1,306 million, primarily due to the second quarter of 2018 including net income of around USD 100 million, consisting mainly of previously deferred day-1 profits that were subsequently recognized as a result of enhanced observability and revised valuations in the funding curve used to value UBS interest rate-linked notes. Excluding that, Foreign Exchange, Rates and Credit revenues increased 2%. The first nine months of 2019 included a gain of USD 68 million on our investment in TradeWeb, which was sold in the second quarter of 2019, compared with mark-to-market gains of USD 22 million recognized in the first nine months of 2018.

Total operating expenses decreased by USD 174 million, or 4%, to USD 4,782 million, and adjusted operating expenses decreased by USD 116 million, or 2%, to USD 4,725 million.

Personnel expenses decreased to USD 2,198 million from USD 2,404 million, and adjusted personnel expenses decreased to USD 2,195 million from USD 2,395 million, mainly reflecting lower variable compensation expenses. General and administrative expenses increased to USD 427 million from USD 398 million, and on an adjusted basis increased to USD 422 million from USD 391 million, mostly due to the prior-year period including a USD 58 million net release of provisions for litigation, regulatory and similar matters.

Net expenses for services to / from Corporate Center and other business divisions increased to USD 2,147 million from USD 2,137 million. Excluding restructuring expenses, adjusted net expenses increased to USD 2,098 million from USD 2,040 million.

Expenses for services from Corporate Center increased by USD 12 million to USD 2,187 million, and by USD 60 million to USD 2,138 million on an adjusted basis, mainly due to higher spending on IT development and amortization of software and compliance costs. This was partly offset by lower charges in connection with Group regulatory projects.

Net cost recovery from services to / from other business divisions and services to Corporate Center increased by USD 2 million on both a reported and an adjusted basis, mainly reflecting lower charges for services from Global Wealth Management, partly offset by lower charges in connection with Group regulatory projects.

Corporate Center

Corporate Center^{1,2}

	As of or for the quarter ended			% change from		Year-to-date	
USD million, except where indicated	30.9.19	30.6.19	30.9.18	2Q19	3Q18	30.9.19	30.9.18
Results							
Total operating income	(191)	(30)	(29)	539	569	(174)	(203)
of which: net treasury income	(60)	39	(55)		11	103	(302)
of which: Non-core and Legacy Portfolio	(6)	61	40			102	189
Total operating expenses	9	26	100	(65)	(91)	97	251
of which: Non-core and Legacy Portfolio	47	27	59	76	(20)	118	226
Operating profit / (loss) before tax	(200)	(56)	(128)	256	56	(271)	(454)
Adjusted results³							
Total operating income as reported	(191)	(30)	(29)	539	569	(174)	(203)
of which: gains on sale of real estate			31				31
of which: gain / (loss) on sale of subsidiaries and businesses			25				25
of which: net foreign currency translation gains / (losses)	(46)	10				(35)	
Total operating income (adjusted)	(145)	(40)	(85)	261	70	(139)	(259)
Total operating expenses as reported	9	26	100	(65)	(91)	97	251
of which: personnel-related restructuring expenses ⁴	44	22	44			80	138
of which: non-personnel-related restructuring expenses ⁴	20	10	59			40	152
of which: restructuring expenses allocated from Corporate Center ⁴	(70)	(30)	(106)			(126)	(293)
of which: gain related to changes to the Swiss pension plan							(122)
Total operating expenses (adjusted)	15	25	103	(41)	(86)	103	377
Operating profit / (loss) before tax as reported	(200)	(56)	(128)	256	56	(271)	(454)
Operating profit / (loss) before tax (adjusted)	(160)	(65)	(188)	145	(15)	(242)	(637)
Additional information							
Average attributed equity (USD billion) ⁵	15.5	14.3	12.8	9	21	14.7	13.3
Risk-weighted assets (USD billion) ⁵	27.9	28.6	28.7	(3)	(3)	27.9	28.7
Leverage ratio denominator (USD billion) ⁵	68.8	68.5	72.6	0	(5)	68.8	72.6
Personnel (full-time equivalents)	31,913	31,191	29,526	2	8	31,913	29,526

¹ Prior-year comparative figures in this table have been restated for the changes in Corporate Center cost and resource allocation to the business divisions and the changes in the equity attribution framework effective 1 January 2019. Refer to "Note 2 Segment reporting" in the "Consolidated financial statements" section of our second quarter 2019 report for more information about the changes to the Corporate Center cost and resource allocation to business divisions and to the "Recent developments" section of our first quarter 2019 report for more information about the changes in the equity attribution framework. Comparatives may additionally differ as a result of adjustments following organizational changes, restatements due to the retrospective adoption of new accounting standards or changes in accounting policies, and events after the reporting period. ² This table has been amended to present total operating expenses as the only expense line item. Operating expenses related to services provided to the business divisions continue to be presented in the results of the respective business divisions. ³ Adjusted results are non-GAAP financial measures as defined by SEC regulations. ⁴ Reflects restructuring expenses related to legacy cost programs. ⁵ Refer to the "Capital management" section of this report for more information.

Results: 3Q19 vs 3Q18

Corporate Center recorded a loss before tax of USD 200 million, compared with a loss of USD 128 million in the prior-year quarter, and an adjusted loss before tax of USD 160 million, compared with a loss of USD 188 million.

Operating income

Operating income was negative USD 191 million, compared with negative USD 29 million. Excluding net foreign currency translation losses of USD 46 million related to the closure of subsidiaries in the third quarter of 2019 and the gain on sale of Widder Hotel of USD 56 million in the third quarter of 2018, adjusted income was negative USD 145 million compared with negative USD 85 million. This decrease was driven by lower other Corporate Center revenues, mainly reflecting higher interest expenses relating to the adoption of IFRS 16, *Leases*, increased funding expenses for Group Technology assets, and lower net income from the Non-core and Legacy Portfolio, partly offset by higher net treasury income.

Net treasury income

The net treasury income result was negative USD 60 million, compared with negative USD 55 million. Excluding the aforementioned net foreign currency translation losses, adjusted net treasury income was negative USD 15 million, compared with negative USD 55 million.

Net treasury income included negative revenues of USD 84 million relating to centralized Group Treasury risk management services, compared with negative revenues of USD 75 million. Revenues from accounting asymmetries were USD 57 million, compared with USD 18 million. Income related to hedge accounting ineffectiveness was USD 4 million compared with USD 5 million.

Operating income from Non-core and Legacy Portfolio

The operating income from Non-core and Legacy Portfolio was negative USD 6 million, compared with positive USD 40 million. The decrease was mainly due to the third quarter of 2018 including valuation gains of USD 60 million on financial assets measured at fair value through profit or loss.

Operating expenses

Total operating expenses were USD 9 million, compared with USD 100 million, and, on an adjusted basis, USD 15 million, compared with USD 103 million. The decrease was mainly driven by a net release of provisions related to litigation, regulatory and similar matters, as well as the aforementioned higher expenses for lease contracts and Group Technology assets which are presented as negative revenues and allocated to the business divisions through operating expenses.

Results: 9M19 vs 9M18

Corporate Center recorded a loss before tax of USD 271 million, compared with a loss of USD 454 million in the prior-year period. On an adjusted basis, Corporate Center recorded a loss before tax of USD 242 million, compared with a loss of USD 637 million.

Total operating income was negative USD 174 million, compared with negative USD 203 million. Excluding net foreign currency translation losses of USD 35 million in the first nine months of 2019 and the aforementioned gain on the sale of Widder Hotel in the first nine months of 2018, adjusted income was negative USD 139 million compared with negative USD 259 million. The increase reflected USD 440 million higher net treasury income, partly offset by lower net income from Non-core and Legacy Portfolio and a decrease in other Corporate Center revenues, driven mainly by higher interest expenses relating to the adoption of IFRS 16, *Leases*, and increased funding expenses for Group Technology assets.

The net treasury income result was positive USD 103 million, compared with negative USD 302 million. Excluding the aforementioned net foreign currency translation losses, adjusted net treasury income was positive USD 138 million, compared with negative USD 302 million.

Net treasury income included negative revenues of USD 173 million relating to centralized Group Treasury risk management services, compared with negative revenues of USD 228 million. Income related to hedge accounting ineffectiveness was positive USD 151 million, compared with negative USD 66 million. Revenues from accounting asymmetries were positive USD 151 million, compared with negative USD 10 million.

The operating income from Non-core and Legacy Portfolio was USD 102 million, compared with USD 189 million. The decrease was mainly due to the first nine months of 2018 including USD 145 million higher valuation gains on financial assets measured at fair value through profit or loss, partly offset by proceeds related to the settlement of a litigation claim and income related to a claim on a defaulted counterparty position in the first nine months of 2019.

Total operating expenses were USD 97 million, compared with USD 251 million, and, on an adjusted basis, USD 103 million, compared with USD 377 million. The decrease was mainly due to a net release of provisions related to litigation, regulatory and similar matters compared with a net expense in the first nine months of 2018 and the aforementioned higher allocated funding expenses recorded under operating income.

Personnel: 3Q19 vs 2Q19

As of 30 September 2019, Corporate Center employed 31,913 personnel (full-time equivalents). Personnel increased by 722 and external staff by 269 compared with 30 June 2019, mainly related to regulatory projects and strategic initiatives.

Risk, treasury and capital management

Management report

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Risk management and control

This section provides information about key developments during the reporting period and should be read in conjunction with the "Risk management and control" section of our Annual Report 2018.

Credit risk

Total net credit loss expenses in the third quarter of 2019 were USD 38 million, reflecting net expenses of USD 43 million related to credit-impaired (stage 3) positions and recoveries of USD 5 million related to stage 1 and stage 2 positions. The net stage 3 expenses of USD 43 million were recognized across a number of defaulted positions: USD 29 million in Personal & Corporate

Banking, mainly related to a single exposure; USD 8 million in the Investment Bank; and USD 6 million in Global Wealth Management.

Overall credit risk exposures were broadly unchanged during the third quarter of 2019.

We aim to manage our Swiss lending portfolios prudently and remain watchful for signs of deterioration that could affect our counterparties.

Within the Investment Bank, our leveraged loan underwriting business's overall ability to distribute risk remained sound. Loan underwriting exposures are held for trading, with fair values reflecting the market conditions at the end of the quarter.

Banking and traded products exposure in our business divisions and Corporate Center

30.9.19

USD million	Global Wealth Management	Personal & Corporate Banking	Asset Management	Investment Bank	Corporate Center	Group
Banking products¹						
Gross exposure (IFRS 9)	231,438	182,077	2,692	51,480	23,491	491,177
of which: loans and advances to customers (on-balance sheet)	171,608	132,222	0	10,639	6,489	320,958
of which: guarantees and loan commitments (off-balance sheet)	5,157	19,932	0	17,523	81	42,692
Traded products^{2,3}						
Gross exposure	10,419	1,018	0	35,879		47,316
of which: over-the-counter derivatives	7,322	978	0	10,277		18,577
of which: securities financing transactions	287	0	0	18,835		19,122
of which: exchange-traded derivatives	2,810	40	0	6,766		9,617
Other credit lines, gross⁴	10,352	19,911	0	2,196	138	32,597
Total credit-impaired exposure, gross (stage 3) ¹	858	1,828	0	115	417	3,218
Total allowances and provisions for expected credit losses (stages 1 to 3)	205	688	0	113	35	1,041
of which: stage 1	57	74	0	26	3	160
of which: stage 2	28	131	0	13	0	173
of which: stage 3 (allowances and provisions for credit-impaired exposures)	120	483	0	74	32	709

30.6.19

USD million	Global Wealth Management	Personal & Corporate Banking	Asset Management	Investment Bank	Corporate Center	Group
Banking products¹						
Gross exposure (IFRS 9)	238,391	185,403	2,480	50,430	26,970	503,674
of which: loans and advances to customers (on-balance sheet)	171,612	135,115	0	9,787	6,896	323,410
of which: guarantees and loan commitments (off-balance sheet)	5,954	20,574	0	17,416	329	44,273
Traded products^{2,3}						
Gross exposure	9,486	935	0	32,377		42,798
of which: over-the-counter derivatives	6,858	885	0	9,522		17,264
of which: securities financing transactions	269	0	0	17,323		17,592
of which: exchange-traded derivatives	2,359	50	0	5,533		7,942
Other credit lines, gross⁴	6,959	20,351	0	2,028	142	29,480
Total credit-impaired exposure, gross (stage 3) ¹	529	1,859	0	100	432	2,920
Total allowances and provisions for expected credit losses (stages 1 to 3)	210	675	0	112	33	1,030
of which: stage 1	57	77	0	43	2	180
of which: stage 2	28	131	0	4	0	163
of which: stage 3 (allowances and provisions for credit-impaired exposures)	124	467	0	65	30	687

¹ IFRS 9 gross exposure including other financial assets at amortized cost, but excluding cash, receivables from securities financing transactions, cash collateral receivables on derivative instruments, financial assets at FVOCI, irrevocable committed prolongation of existing loans and unconditionally revocable committed credit lines and forward starting reverse repurchase and securities borrowing agreements. ² Internal management view of credit risk, which differs in certain respects from IFRS. ³ As counterparty risk for traded products is managed at counterparty level, no further split between exposures in the Investment Bank and Corporate Center is provided. ⁴ Unconditionally revocable committed credit lines.

Global Wealth Management and Personal & Corporate Banking loans and advances to customers, gross

	Global Wealth Management		Personal & Corporate Banking	
<i>USD million</i>	30.9.19	30.6.19	30.9.19	30.6.19
Secured by residential property	53,506	53,464	96,288	98,160
Secured by commercial / industrial property	2,346	2,325	16,725	17,132
Secured by cash	15,098	14,849	1,444	1,426
Secured by securities	89,577	90,484	1,678	1,804
Secured by guarantees and other collateral	9,978	9,463	5,221	5,825
Unsecured loans and advances to customers	1,104	1,027	10,867	10,768
Total loans and advances to customers, gross	171,608	171,612	132,222	135,115
Allowances	(92)	(93)	(592)	(577)
Total loans and advances to customers, net of allowances	171,517	171,519	131,629	134,537

Market risk

Market risks remain generally at low levels due to our continued focus on managing tail risks. Average management value-at-risk (VaR) (1-day, 95% confidence level) increased marginally to USD 12 million from USD 11 million in the previous quarter.

There were no Group VaR negative backtesting exceptions in the third quarter of 2019, and the total number of negative backtesting exceptions within the most recent 250 business-days remained at 1. The FINMA VaR multiplier for market risk RWA was unchanged compared with the previous quarter, at 3.

Management value-at-risk (1-day, 95% confidence, 5 years of historical data) of our business divisions and Corporate Center by general market risk type¹

<i>USD million</i>	Average by risk type								
	Min.	Max.	Period end	Average	Equity	Interest rates	Credit spreads	Foreign exchange	Commodities
Global Wealth Management	0	1	0	1	0	1	1	0	0
Personal & Corporate Banking	0	0	0	0	0	0	0	0	0
Asset Management	0	0	0	0	0	0	0	0	0
Investment Bank	6	17	10	10	8	7	4	3	2
Corporate Center	4	8	5	6	1	6	2	1	0
Diversification effect ^{2,3}			(4)	(5)	(1)	(4)	(2)	(1)	0
Total as of 30.9.19	8	18	11	12	8	9	4	3	2
Total as of 30.6.19	9	15	12	11	7	9	4	4	2

¹ Statistics at individual levels may not be summed to deduce the corresponding aggregate figures. The minima and maxima for each level may occur on different days, and, likewise, the VaR for each business line or risk type, being driven by the extreme loss tail of the corresponding distribution of simulated profits and losses for that business line or risk type, may well be driven by different days in the historical time series, rendering invalid the simple summation of figures to arrive at the aggregate total. ² Difference between the sum of the standalone VaR for the business divisions and Corporate Center and the VaR for the Group as a whole. ³ As the minimum and maximum occur on different days for different business divisions and Corporate Center, it is not meaningful to calculate a portfolio diversification effect.

As of 30 September 2019, the interest rate sensitivity of our banking book to a +1-basis-point parallel shift in yield curves was negative USD 24.3 million, compared with negative USD 22.2 million as of 30 June 2019. The change in interest rate sensitivity was driven by market moves (interest rates decreased substantially over the quarter), issuance of additional tier 1 (AT1) capital instruments and active risk management of the exposures in the banking book. The reported interest rate sensitivity excludes the AT1 capital instruments as per FINMA Pillar 3 disclosure requirements and our equity, goodwill and real estate with a modeled sensitivity of approximately USD 4 million per basis point in Swiss francs and USD 15 million per basis point in US dollars.

The most adverse of the six FINMA interest rate scenarios was the "Parallel up" scenario, which resulted in a change in the economic value of equity of negative USD 4.9 billion, representing a pro forma effect equal to 9.7% of tier 1 capital, which is well below the regulatory outlier test of 15% of tier 1 capital. The immediate effect of the "Parallel up" scenario on

tier 1 capital as of 30 September 2019 would be a reduction of 1.3%, or USD 0.6 billion, arising from the part of our banking book that is measured at fair value through profit or loss and from the financial assets measured at fair value through other comprehensive income. This scenario would also have a positive effect on net interest income.

- Refer to "Interest rate risk in the banking book" in the "Market risk" section of our Annual Report 2018 and the 30 June 2019 Pillar 3 report available under "Pillar 3 disclosures" at www.ubs.com/investors, for more information about the management of interest rate risk in the banking book
- Refer to "Sensitivity to interest rate movements" in the "Group performance" section of this report for more information about the effects of increases in interest rates on the equity, capital and net interest income of Global Wealth Management and Personal & Corporate Banking
- Refer to the 30 September 2019 Pillar 3 report available under "Pillar 3 disclosures" at www.ubs.com/investors

Interest rate risk – banking book

USD million	+1 bp	Parallel up ¹	Parallel down ¹	Steeper ²	Flattener ³	Short-term up ⁴	Short-term down ⁵
CHF	(2.4)	(344.7)	391.5	(230.0)	159.2	9.1	(7.1)
EUR	(0.5)	(93.3)	118.1	4.6	(15.2)	(42.2)	55.0
GBP	0.1	7.5	(23.9)	(11.2)	10.3	15.0	(14.3)
USD	(20.7)	(4,359.8)	3,647.0	(402.6)	(601.1)	(2,151.9)	2,328.2
Other	(0.7)	(152.1)	169.2	(7.8)	(21.4)	(75.6)	87.1
Total effect on economic value of equity as per Pillar 3 requirement as of 30.9.19	(24.3)	(4,942.3)	4,301.9	(647.1)	(468.2)	(2,245.6)	2,449.0
Additional tier 1 (AT1) capital instruments	5.2	1,008.2	(1,085.4)	(26.1)	250.7	632.2	(661.0)
Total including AT1 capital instruments as of 30.9.19	(19.1)	(3,934.2)	3,216.4	(673.2)	(217.5)	(1,613.4)	1,788.1
Total effect on economic value of equity as per Pillar 3 requirement as of 30.6.19	(22.2)	(4,503.5)	3,807.0	(748.8)	(298.0)	(1,908.5)	2,048.5
Total including AT1 capital instruments as of 30.6.19	(17.2)	(3,539.3)	2,767.5	(762.2)	(68.7)	(1,310.2)	1,423.6

¹ Rates across all tenors move by ±150 bps for Swiss franc, ±200 bps for euro and US dollar and ±250 bps for pound sterling. ² Short-term rates decrease and long-term rates increase. ³ Short-term rates increase and long-term rates decrease. ⁴ Short-term rates increase more than long-term rates. ⁵ Short-term rates decrease more than long-term rates.

Country risk

We remain watchful of developments in Europe and political shifts in a number of countries. Our direct exposure to peripheral European countries is limited, although we have significant country risk exposure to major European economies, including the UK, Germany and France. The UK's process of withdrawing from the EU remains an area of concern.

Tensions in the Middle East have increased following an attack on Saudi energy facilities and led to disruption of world oil supplies.

We are closely monitoring the growing risks stemming from ongoing US trade policy shifts, and their potential effects on key markets, economies and countries.

We also continue to closely monitor our direct exposure to China. In addition, a number of emerging markets are facing economic, political and market pressures, such as Argentina, which has had a major negative market correction and may soon need to reprofile its sovereign debt.

Our exposure to emerging market countries is well diversified.

→ Refer to the "Risk management and control" section of our Annual Report 2018 for more information

Exposures to eurozone countries rated lower than AAA / Aaa by at least one major rating agency

USD million	30.9.19						30.6.19	
	Banking products, gross ¹		Traded products		Trading inventory	Total	Total	
	Before hedges	Net of hedges	Before hedges	Net of hedges	Net long per issuer	Net of hedges		Net of hedges
Austria	128	127	251	206	2,461	2,840	474	467
Belgium	156	156	190	190	32	378	234	234
Finland	8	8	73	73	156	236	228	228
France	451	451	1,222	1,133	1,946	3,619	3,402	3,309
Greece	13	3	0	0	15	28	16	10
Ireland ²	244	244	124	124	555	923	833	826
Italy	753	629	347	331	336	1,436	1,151	986
Portugal	18	17	58	58	31	107	73	72
Spain	423	395	29	29	1,029	1,480	740	739
Other ³	281	265	6	6	17	304	326	310
Total	2,476	2,295	2,299	2,149	6,578	11,352	7,477	7,181

¹ Before deduction of IFRS 9 ECL allowances and provisions. ² The majority of the Ireland exposure relates to funds and foreign bank subsidiaries. ³ Represents aggregate exposures to Andorra, Cyprus, Estonia, Latvia, Lithuania, Malta, Monaco, Montenegro, San Marino, Slovakia and Slovenia.

Operational risk

There have been no significant changes in the operational risk environment over the quarter, with financial crime, conduct and culture, and operational resilience (particularly with respect to cyber risks and data management) remaining the dominant themes for UBS and the industry. We continue to prioritize our efforts to meet the developing nature of these risks and to invest

heavily in our detection capabilities and core systems as part of our financial crime prevention program, with a focus on improving these to meet regulatory expectations, including to address the requirements of the May 2018 cease and desist order issued by the Office of the Comptroller of the Currency related to our US branch know-your-customer and anti-money laundering programs.

Balance sheet, liquidity and funding management

Strategy, objectives and governance

This section provides balance sheet, liquidity and funding management information and should be read in conjunction with the "Treasury management" section of our Annual Report 2018, which provides more information about the Group's strategy, objectives and governance in connection with liquidity and funding management.

Balances disclosed in this section represent quarter-end positions, unless indicated otherwise. Intra-quarter balances fluctuate in the ordinary course of business and may differ from quarter-end positions.

Assets and liquidity management

Balance sheet assets (30 September 2019 vs 30 June 2019)

As of 30 September 2019, balance sheet assets totaled USD 973 billion, an increase of USD 4 billion compared with 30 June 2019.

Total assets excluding derivatives and cash collateral receivables on derivative instruments decreased by USD 10 billion to USD 813 billion, mainly driven by decreases in cash and balances at central banks and in trading portfolio assets. This was partly offset by increases in other financial assets measured at amortized cost and fair value as well as non-financial assets and financial assets for unit-linked investment contracts.

Cash and balances at central banks decreased by USD 10 billion, mainly as a result of a transfer of cash into debt securities measured at fair value within our high-quality liquid assets (HQLA) portfolio and the investment of cash in securities financing transactions at amortized cost. Trading portfolio assets decreased by USD 4 billion, mainly in the Investment Bank, largely reflecting reduced hedging requirements on the back of client activity in our Equities business, as well as currency effects.

These decreases were partly offset by an increase of USD 4 billion in other financial assets measured at amortized cost and fair value, predominantly driven by the aforementioned transfer from cash into debt securities measured at fair value within our HQLA portfolio. Non-financial assets and financial assets for unit-linked investment contracts increased by USD 3 billion, reflecting the recognition of the Swiss pension plan surplus.

Derivatives and cash collateral receivables on derivative instruments increased by USD 14 billion, primarily due to mark-to-market effects on foreign exchange and interest rate contracts held in our Foreign Exchange, Rates and Credit business, as well as an overall increase in trading volumes compared with the previous quarter.

- Refer to the "Group performance" section of this report for more information about the Swiss pension plan surplus
- Refer to the "Consolidated financial statements" section of this report for more information

Assets

		As of		% change from	
USD billion		30.6.19	31.12.18	30.6.19	31.12.18
Cash and balances at central banks	91.3	101.5	108.4	(10)	(16)
Lending	333.3	335.6	337.2	(1)	(1)
Securities financing transactions at amortized cost	92.0	92.9	95.3	(1)	(4)
Trading portfolio ¹	115.8	120.2	104.4	(4)	11
Derivatives and cash collateral receivables on derivative instruments	159.9	145.5	149.8	10	7
Brokerage receivables	17.7	16.9	16.8	4	5
Other financial assets at AC / FV ³	98.6	94.4	90.5	4	9
Non-financial assets and financial assets for unit-linked investment contracts	64.6	61.8	56.1	4	15
Total assets	973.1	968.7	958.5	0	2

¹ Consists of loans and advances to banks and customers. ² Consists of financial assets at fair value held for trading. ³ Consists of financial assets at fair value not held for trading, financial assets measured at fair value through other comprehensive income and other financial assets measured at amortized cost, but excludes financial assets for unit-linked investment contracts and cash collateral receivables on derivative instruments.

Liquidity coverage ratio

In the third quarter of 2019, the quarterly average UBS Group liquidity coverage ratio (LCR) decreased 7 percentage points to 138%, remaining above the 110% Group LCR minimum communicated by FINMA.

The LCR decrease was primarily driven by lower average high-quality liquid assets due to a reduction of cash at central banks, reflecting higher average funding consumption by the business divisions and reductions in the level of issued debt.

→ Refer to the “Treasury management” section of our Annual Report 2018 for more information about liquidity management and the liquidity coverage ratio

Liquidity coverage ratio

USD billion, except where indicated

	Average 3Q19 ¹	Average 2Q19 ¹
High-quality liquid assets²		
Cash balances ³	99	108
Securities (on- and off-balance sheet)	69	68
Total high-quality liquid assets⁴	168	176
Cash outflows⁵		
Retail deposits and deposits from small business customers	28	27
Unsecured wholesale funding	106	106
Secured wholesale funding	75	74
Other cash outflows	40	40
Total cash outflows	249	247
Cash inflows⁵		
Secured lending	87	85
Inflows from fully performing exposures	28	29
Other cash inflows	12	11
Total cash inflows	127	126
Liquidity coverage ratio		
High-quality liquid assets	168	176
Net cash outflows	122	121
Liquidity coverage ratio (%)	138	145

¹ Calculated based on an average of 66 data points in the third quarter of 2019 and 65 data points in the second quarter of 2019. ² Calculated after the application of haircuts. ³ Includes cash and balances at central banks and other eligible balances as prescribed by FINMA. ⁴ Calculated in accordance with FINMA requirements. ⁵ Calculated after the application of inflow and outflow rates.

Liabilities and funding management**Liabilities (30 September 2019 vs 30 June 2019)**

Total liabilities increased by USD 1 billion to USD 917 billion as of 30 September 2019. Total liabilities excluding derivatives and cash collateral payables on derivative instruments decreased by USD 10 billion to USD 753 billion as of 30 September 2019.

Customer deposits decreased by USD 6 billion, primarily in Global Wealth Management and Personal & Corporate Banking, mainly driven by currency effects. Long-term debt issued decreased by USD 6 billion, mainly reflecting net maturities of senior unsecured debt.

Derivatives and cash collateral payables on derivative instruments increased by USD 11 billion, in line with the aforementioned increase in derivative financial assets and cash collateral receivables.

The “Funding by product and currency” table in this section provides more information about our funding sources.

→ Refer to “Bondholder information” at www.ubs.com/investors for more information about capital and senior debt instruments
→ Refer to the “Consolidated financial statements” section of this report for more information

Equity

Equity attributable to shareholders increased to USD 56,187 million as of 30 September 2019, from USD 53,180 million as of 30 June 2019.

Total comprehensive income attributable to shareholders was USD 3,151 million, reflecting net profit of USD 1,049 million and positive other comprehensive income (OCI) of USD 2,101 million. OCI mainly included positive defined benefit plan OCI of USD 2,000 million, positive cash flow hedge OCI of USD 417 million and negative foreign currency translation OCI of USD 316 million.

Share premium increased by USD 164 million, mainly due to the amortization of deferred share-based compensation awards.

Net treasury share activity reduced equity attributable to shareholders by USD 308 million. This was predominantly due to repurchases of USD 306 million under our share repurchase program.

- Refer to the “Consolidated financial statements” and “Group performance” sections of this report for more information
- Refer to “UBS shares” in the “Capital management” section of this report for more information about the share repurchase program

Liabilities and equity

USD billion	As of			% change from	
	30.9.19	30.6.19	31.12.18	30.6.19	31.12.18
Short-term borrowings ¹	34.0	34.2	50.0	(1)	(32)
Securities financing transactions at amortized cost	5.6	6.8	10.3	(18)	(46)
Customer deposits	426.8	433.0	419.8	(1)	2
Long-term debt issued ²	158.1	164.1	150.3	(4)	5
Trading portfolio ³	33.5	32.3	28.9	4	16
Derivatives and cash collateral payables on derivative instruments	163.7	152.5	154.6	7	6
Brokerage payables	38.3	36.9	38.4	4	0
Other financial liabilities at AC / FV ⁴	19.9	19.8	18.8	0	6
Non-financial liabilities and financial liabilities related to unit-linked investment contracts	37.0	35.7	34.2	4	8
Total liabilities	916.8	915.4	905.4	0	1
Share capital	0.3	0.3	0.3	0	0
Share premium	18.0	17.8	20.8	1	(14)
Treasury shares	(3.2)	(2.8)	(2.6)	11	20
Retained earnings	35.6	32.5	30.4	9	17
Other comprehensive income ⁵	5.4	5.3	3.9	2	38
Total equity attributable to shareholders	56.2	53.2	52.9	6	6
Equity attributable to non-controlling interests	0.2	0.2	0.2	(4)	(7)
Total equity	56.4	53.3	53.1	6	6
Total liabilities and equity	973.1	968.7	958.5	0	2

¹ Consists of short-term debt issued measured at amortized cost and amounts due to banks. ² Consists of long-term debt issued measured at amortized cost and debt issued designated at fair value. The classification of debt issued into short-term and long-term does not consider any early redemption features. ³ Consists of financial liabilities at fair value held for trading. ⁴ Consists of other financial liabilities measured at amortized cost and other financial liabilities designated at fair value, but excludes financial liabilities related to unit-linked investment contracts. ⁵ Excludes defined benefit plans and own credit that are recorded directly in Retained earnings.

Off-balance sheet

	As of		% change from
USD billion	30.9.19	30.6.19	30.6.19
Total guarantees ¹	14.6	15.7	(7)
Loan commitments ¹	33.4	30.8	8
Forward starting reverse repurchase agreements ¹	37.6	34.3	10
Forward starting repurchase agreements ¹	20.8	18.8	11
Committed unconditionally revocable credit lines ²	32.6	29.5	11

¹ These lines provided in this table are aligned with the scope disclosed in "Note 17 Guarantees, commitments and forward starting transactions" in the "Consolidated financial statements" section of this report. Total guarantees and Loan commitments are shown net of sub-participations. ² Refer to "Note 10 Expected credit loss measurement" in the "Consolidated financial statements" section of this report for more information.

Off-balance sheet (30 September 2019 vs 30 June 2019)

Forward starting reverse repurchase agreements and forward starting repurchase agreements increased by USD 3 billion and USD 2 billion, respectively, primarily in Corporate Center, reflecting higher market activity in short-dated securities financing transactions. Guarantees decreased by USD 1 billion,

primarily in the Investment Bank, Personal & Corporate Banking and in Global Wealth Management. Loan commitments increased by USD 3 billion, primarily in our Corporate Client Solutions business in the Investment Bank, mainly reflecting new commitments.

Pro forma net stable funding ratio

USD billion, except where indicated	30.9.19	30.6.19
Available stable funding	479	483
Required stable funding	445	435
Pro forma net stable funding ratio (%)	108	111

Net stable funding ratio

As of 30 September 2019, our estimated pro forma net stable funding ratio (NSFR) was 108%, a decrease of 3 percentage points compared with 30 June 2019, primarily reflecting a USD 4 billion decrease in available stable funding, primarily driven by a decrease in deposits, and a USD 10 billion increase in required stable funding, including increases in derivatives.

The calculation of our pro forma NSFR includes estimates of the effect of the Basel Committee on Banking Supervision rules and will be refined when NSFR rule-making is completed in Switzerland and as regulatory interpretations evolve and new models and associated systems are enhanced.

→ **Refer to the "Treasury management" section of our Annual Report 2018 for more information about the net stable funding ratio**

Funding by product and currency

	USD billion		As a percentage of total funding sources (%)									
	All currencies		All currencies		USD		CHF		EUR		Other	
	30.9.19	30.6.19	30.9.19	30.6.19	30.9.19	30.6.19	30.9.19	30.6.19	30.9.19	30.6.19	30.9.19	30.6.19
Short-term borrowings	34.0	34.2	4.9	4.8	2.4	2.3	0.4	0.5	1.2	1.3	0.9	0.8
of which: due to banks	8.2	9.5	1.2	1.3	0.3	0.3	0.4	0.5	0.1	0.2	0.3	0.4
of which: short-term debt issued ¹	25.7	24.7	3.7	3.5	2.1	2.0	0.0	0.0	1.1	1.1	0.5	0.4
Securities financing transactions	5.6	6.8	0.8	1.0	0.7	0.8	0.0	0.0	0.0	0.1	0.0	0.1
Cash collateral payables on derivative instruments	32.3	31.4	4.6	4.5	2.0	2.0	0.1	0.1	1.7	1.5	0.8	0.8
Customer deposits	426.8	433.0	61.4	61.3	20.6	20.3	27.1	27.0	7.8	7.9	5.9	6.1
of which: demand deposits	173.2	180.6	24.9	25.6	5.6	5.5	10.0	10.4	6.0	6.2	3.4	3.4
of which: retail savings / deposits	157.6	163.1	22.7	23.1	6.6	6.5	15.4	15.8	0.7	0.8	0.0	0.0
of which: time deposits	63.6	66.0	9.1	9.3	6.2	6.1	0.6	0.7	0.0	0.1	2.3	2.4
of which: fiduciary deposits	32.4	23.4	4.7	3.3	2.2	2.2	1.2	0.1	1.0	0.8	0.2	0.2
Long-term debt issued ²	158.1	164.1	22.7	23.2	13.4	13.3	2.0	2.1	4.8	5.3	2.5	2.5
Brokerage payables	38.3	36.9	5.5	5.2	3.9	3.8	0.1	0.1	0.4	0.3	1.1	1.0
Total	694.9	706.5	100.0	100.0	43.1	42.4	29.8	29.9	16.0	16.5	11.2	11.2

¹ Short-term debt issued is comprised of certificates of deposit, commercial paper, acceptances and promissory notes, and other money market paper. ² Long-term debt issued also includes debt with a remaining time to maturity of less than one year.

Capital management

This section provides information about key developments during the reporting period and should be read in conjunction with the “Capital management” section of our Annual Report 2018, which provides more information about our strategy, objectives and governance for capital management. Disclosures in this section are provided for UBS Group AG on a consolidated basis and focus on information in accordance with the Basel III framework, as applicable to Swiss systemically relevant banks (SRBs).

Information in accordance with the Basel Committee on Banking Supervision framework for UBS Group AG consolidated together with capital and other regulatory information for UBS AG standalone, UBS Switzerland AG standalone, UBS Europe SE consolidated and UBS Americas Holding LLC consolidated is provided in our 30 September 2019 Pillar 3 report available under “Pillar 3 disclosures” at www.ubs.com/investors.

Capital and other regulatory information for UBS AG consolidated is provided in the UBS AG third quarter 2019 report, which will be available as of 25 October 2019 under “Quarterly reporting” at www.ubs.com/investors.

Swiss SRB requirements and information

Information about the Swiss SRB capital framework and about Swiss SRB going and gone concern requirements that are being phased in until the end of 2019 is provided in the “Capital management” section of our Annual Report 2018. These requirements are also applicable to UBS AG consolidated and UBS Switzerland AG standalone. UBS AG is subject to going concern requirements on a standalone basis, for which details

are provided in our 31 December 2018 Pillar 3 report and in our 30 September 2019 Pillar 3 report available under “Pillar 3 disclosures” at www.ubs.com/investors.

The table below provides the risk-weighted assets (RWA)- and leverage ratio denominator (LRD)-based requirements and information as of 30 September 2019.

Swiss SRB going and gone concern requirements and information

	Swiss SRB, including transitional arrangements				Swiss SRB as of 1.1.20			
As of 30.9.19	RWA		LRD		RWA		LRD	
USD million, except where indicated	in %		in %		in %		in %	
Required going concern capital								
Total going concern capital	13.89	36,748	4.50	40,586	14.61 ¹	38,654	5.00 ¹	45,096
Common equity tier 1 capital	9.99	26,428	3.20	28,861	10.31	27,275	3.50	31,567
of which: minimum capital	4.90	12,967	1.70	15,333	4.50	11,908	1.50	13,529
of which: buffer capital	4.78	12,649	1.50	13,529	5.50	14,554	2.00	18,038
of which: countercyclical buffer	0.31	812			0.31	812		
Maximum additional tier 1 capital	3.90	10,320	1.30	11,725	4.30	11,379	1.50	13,529
of which: additional tier 1 capital	3.10	8,203	1.30	11,725	3.50	9,262	1.50	13,529
of which: additional tier 1 buffer capital	0.80	2,117			0.80	2,117		
Eligible going concern capital								
Total going concern capital	21.10	55,843	6.19	55,843	19.16	50,702	5.62	50,702
Common equity tier 1 capital	13.10	34,673	3.84	34,673	13.10	34,673	3.84	34,673
Total loss-absorbing additional tier 1 capital ²	8.00	21,169	2.35	21,169	6.06	16,029	1.78	16,029
of which: high-trigger loss-absorbing additional tier 1 capital	5.15	13,625	1.51	13,625	5.15	13,625	1.51	13,625
of which: low-trigger loss-absorbing additional tier 1 capital	0.91	2,404	0.27	2,404	0.91	2,404	0.27	2,404
of which: low-trigger loss-absorbing tier 2 capital	1.94	5,140	0.57	5,140				
Required gone concern capital								
Total gone concern loss-absorbing capacity	9.63	25,478	3.32	29,944	10.57	27,972	3.77	33,993
of which: base requirement	10.52	27,839	3.63	32,694	12.86	34,031	4.50	40,586
of which: additional requirement for market share and LRD	1.08	2,858	0.38	3,382	1.44	3,811	0.50	4,510
of which: applicable reduction on requirements	(1.97)	(5,218)	(0.68)	(6,133)	(3.73)	(9,870)	(1.23)	(11,103)
of which: rebate granted (equivalent to 42.5% of maximum rebate) ³	(1.97)	(5,218)	(0.68)	(6,133)	(2.43)	(6,433)	(0.85)	(7,666)
of which: reduction for usage of low-trigger tier 2 capital instruments					(1.30)	(3,437)	(0.38)	(3,437)
Eligible gone concern capital								
Total gone concern loss-absorbing capacity	12.22	32,336	3.59	32,336	14.16	37,476	4.16	37,476
Total tier 2 capital	0.86	2,267	0.25	2,267	2.80	7,407	0.82	7,407
of which: low-trigger loss-absorbing tier 2 capital	0.65	1,733	0.19	1,733	2.60	6,873	0.76	6,873
of which: non-Basel III-compliant tier 2 capital	0.20	534	0.06	534	0.20	534	0.06	534
TLAC-eligible senior unsecured debt	11.36	30,069	3.33	30,069	11.36	30,069	3.33	30,069
Total loss-absorbing capacity								
Required total loss-absorbing capacity	23.51	62,227	7.82	70,530	25.18	66,626	8.77	79,089
Eligible total loss-absorbing capacity	33.32	88,178	9.78	88,178	33.32	88,178	9.78	88,178

¹ Includes applicable add-ons of 1.44% for RWA and 0.5% for LRD. ² Includes outstanding low-trigger loss-absorbing additional tier 1 and tier 2 capital instruments, which are available under the transitional rules of the Swiss SRB framework to meet the going concern requirements until their first call date, even if the first call date is after 31 December 2019. As of their first call date, these instruments are eligible to meet the gone concern requirements. Outstanding low-trigger loss-absorbing tier 2 capital instruments are subject to amortization starting five years prior to their maturity, with the amortized portion qualifying as gone concern loss-absorbing capacity. Instruments available to meet gone concern requirements are eligible until one year before maturity, with a haircut of 50% applied in the last year of eligibility. ³ Based on the actions we completed up to December 2018 to improve resolvability, FINMA granted a rebate on the gone concern requirement of 42.5% of the maximum rebate in the third quarter of 2019 as compared with 40% in the previous quarter.

Total loss-absorbing capacity

The table below provides Swiss SRB going and gone concern information based on transitional arrangements and based on the final rules, which will be effective as of 1 January 2020. The remaining differences between the "Swiss SRB, including transitional arrangements" and "Swiss SRB as of 1.1.20" columns are entirely related to the eligibility of instruments as

required by the too big to fail provisions in the Swiss Capital Adequacy Ordinance applicable to Swiss SRBs, which are described under "Swiss SRB total loss-absorbing capacity framework" in the "Capital management" section of our Annual Report 2018.

Swiss SRB going and gone concern information

	Swiss SRB, including transitional arrangements			Swiss SRB as of 1.1.20		
USD million, except where indicated	30.9.19	30.6.19	31.12.18	30.9.19	30.6.19	31.12.18
Eligible going concern capital						
Total going concern capital	55,843	55,618	52,287	50,702	49,993	46,279
Total tier 1 capital	50,702	49,993	46,279	50,702	49,993	46,279
Common equity tier 1 capital	34,673	34,948	34,119	34,673	34,948	34,119
Total loss-absorbing additional tier 1 capital	16,029	15,045	12,160	16,029	15,045	12,160
of which: high-trigger loss-absorbing additional tier 1 capital	13,625	12,609	9,790	13,625	12,609	9,790
of which: low-trigger loss-absorbing additional tier 1 capital	2,404	2,436	2,369	2,404	2,436	2,369
Total tier 2 capital	5,140	5,625	6,008			
of which: low-trigger loss-absorbing tier 2 capital ¹	5,140	5,625	6,008			
Eligible gone concern capital²						
Total gone concern loss-absorbing capacity	32,336	31,744	31,452	37,476	37,370	37,460
Total tier 2 capital	2,267	2,024	1,464	7,407	7,649	7,471
of which: low-trigger loss-absorbing tier 2 capital ¹	1,733	1,322	771	6,873	6,947	6,779
of which: non-Basel III-compliant tier 2 capital ³	534	702	693	534	702	693
TLAC-eligible senior unsecured debt	30,069	29,721	29,988	30,069	29,721	29,988
Total loss-absorbing capacity						
Total loss-absorbing capacity	88,178	87,363	83,738	88,178	87,363	83,738
Risk-weighted assets / leverage ratio denominator						
Risk-weighted assets	264,626	262,135	263,747	264,626	262,135	263,747
Leverage ratio denominator	901,914	911,379	904,598	901,914	911,379	904,598
Capital and loss-absorbing capacity ratios (%)						
Going concern capital ratio	21.1	21.2	19.8	19.2	19.1	17.5
of which: common equity tier 1 capital ratio	13.1	13.3	12.9	13.1	13.3	12.9
Gone concern loss-absorbing capacity ratio	12.2	12.1	11.9	14.2	14.3	14.2
Total loss-absorbing capacity ratio	33.3	33.3	31.7	33.3	33.3	31.7
Leverage ratios (%)						
Going concern leverage ratio	6.2	6.1	5.8	5.6	5.5	5.1
of which: common equity tier 1 leverage ratio	3.84	3.83	3.77	3.84	3.83	3.77
Gone concern leverage ratio	3.6	3.5	3.5	4.2	4.1	4.1
Total loss-absorbing capacity leverage ratio	9.8	9.6	9.3	9.8	9.6	9.3

¹ Under the transitional rules of the Swiss SRB framework, outstanding low-trigger loss-absorbing tier 2 capital instruments are subject to amortization starting five years prior to their maturity, with the amortized portion qualifying as gone concern loss-absorbing capacity. ² Instruments available to meet gone concern requirements are eligible until one year before maturity, with a haircut of 50% applied in the last year of eligibility. ³ Non-Basel III-compliant tier 2 capital instruments qualify as gone concern instruments.

Total loss-absorbing capacity and movement under Swiss SRB rules applicable as of 1 January 2020

Going concern capital and movement

As of 30 September 2019, our going concern capital increased by USD 0.7 billion to USD 50.7 billion, primarily due to a USD 1.0 billion increase in total loss-absorbing additional tier 1 (AT1) capital, reflecting two separate issuances of high-trigger loss-absorbing AT1 capital instruments of AUD 700 million and SGD 750 million, respectively. Our common equity tier 1 (CET1) capital decreased by USD 0.3 billion to USD 34.7 billion, mainly as a result of accruals for capital returns to shareholders, share repurchases under our share repurchase program, foreign currency translation effects, current tax expense and increases in pension liabilities of non-Swiss pension plans, partly offset by operating profit before tax.

→ Refer to “UBS shares” in this section for more information about the share repurchase program

Gone concern loss-absorbing capacity and movement

Our total gone concern loss-absorbing capacity increased by USD 0.1 billion to USD 37.5 billion, mainly due to the issuance of a USD 1.5 billion total loss-absorbing capacity (TLAC)-eligible

senior unsecured debt instrument, partly offset by a USD 1.0 billion decrease in the eligibility of two TLAC-eligible senior unsecured debt instruments and a non-Basel III-compliant tier 2 capital instrument as well as currency and other effects.

→ Refer to “Bondholder information” at www.ubs.com/investors for more information about the eligibility of capital and senior unsecured debt instruments and about key features and terms and conditions of capital instruments

Loss-absorbing capacity and leverage ratios

Our CET1 capital ratio decreased 0.2 percentage points to 13.1%, reflecting a USD 2.5 billion increase in risk-weighted assets (RWA) and the USD 0.3 billion decrease in CET1 capital.

Our CET1 leverage ratio increased from 3.83% to 3.84% in the third quarter of 2019, as the USD 9 billion decrease in leverage ratio denominator (LRD) was partly offset by the aforementioned decrease in CET1 capital.

Our gone concern loss-absorbing capacity ratio decreased from 14.3% to 14.2%, mainly driven by the aforementioned increase in RWA. Our gone concern leverage ratio increased from 4.1% to 4.2%, mainly due to the aforementioned decrease in LRD.

Reconciliation of IFRS equity to Swiss SRB common equity tier 1 capital

USD million	30.9.19	30.6.19	31.12.18
Total IFRS equity	56,351	53,350	53,103
Equity attributable to non-controlling interests	(163)	(170)	(176)
Defined benefit plans, net of tax	(2,140)	(3)	0
Deferred tax assets recognized for tax loss carry-forwards	(6,333)	(6,208)	(6,107)
Deferred tax assets on temporary differences, excess over threshold	(119)	(266)	(586)
Goodwill, net of tax ¹	(6,256)	(6,305)	(6,514)
Intangible assets, net of tax	(210)	(232)	(251)
Compensation-related components (not recognized in net profit)	(1,944)	(1,760)	(1,652)
Expected losses on advanced internal ratings-based portfolio less provisions	(458)	(412)	(368)
Unrealized (gains) / losses from cash flow hedges, net of tax	(1,749)	(1,346)	(109)
Own credit related to (gains) / losses on financial liabilities measured at fair value that existed at the balance sheet date, net of tax	(114)	(109)	(397)
Prudential valuation adjustments	(128)	(104)	(120)
Accruals for proposed dividends to shareholders for 2018			(2,648)
Other ²	(2,061)	(1,488)	(56)
Total common equity tier 1 capital	34,673	34,948	34,119

¹ Includes goodwill related to significant investments in financial institutions of USD 173 million (30 June 2019: USD 177 million; 31 December 2018: USD 176 million) presented on the balance sheet line Investments in associates. ² Includes accruals for dividends to shareholders for the current year and other items.

Swiss SRB total loss-absorbing capacity movement

USD million	Swiss SRB, including transitional arrangements	Swiss SRB as of 1.1.20
Going concern capital		
Common equity tier 1 capital as of 30.6.19	34,948	34,948
Operating profit before tax	1,345	1,345
Current tax (expense) / benefit	(229)	(229)
Foreign currency translation effects	(261)	(261)
Defined benefit plans ¹	(140)	(140)
Share repurchase program ²	(306)	(306)
Other ³	(684)	(684)
Common equity tier 1 capital as of 30.9.19	34,673	34,673
Loss-absorbing additional tier 1 capital as of 30.6.19	15,045	15,045
Issuance of high-trigger loss-absorbing additional tier 1 capital	1,005	1,005
Foreign currency translation and other effects	(21)	(21)
Loss-absorbing additional tier 1 capital as of 30.9.19	16,029	16,029
Tier 2 capital as of 30.6.19	5,625	
Amortization due to shortening of residual tenor	(405)	
Foreign currency translation and other effects	(80)	
Tier 2 capital as of 30.9.19	5,140	
Total going concern capital as of 30.6.19	55,618	49,993
Total going concern capital as of 30.9.19	55,843	50,702
Gone concern loss-absorbing capacity		
Tier 2 capital as of 30.6.19	2,024	7,649
Amortized portion, which qualifies as gone concern loss-absorbing capacity	405	
Call of a low-trigger loss-absorbing tier 2 capital instrument	(160)	(160)
Foreign currency translation and other effects	(2)	(82)
Tier 2 capital as of 30.9.19	2,267	7,407
TLAC-eligible senior unsecured debt as of 30.6.19	29,721	29,721
Issuance of TLAC-eligible senior unsecured debt instruments	1,473	1,473
Decrease in eligibility due to shortening of residual tenor	(868)	(868)
Foreign currency translation and other effects	(256)	(256)
TLAC-eligible senior unsecured debt as of 30.9.19	30,069	30,069
Total gone concern loss-absorbing capacity as of 30.6.19	31,744	37,370
Total gone concern loss-absorbing capacity as of 30.9.19	32,336	37,476
Total loss-absorbing capacity		
Total loss-absorbing capacity as of 30.6.19	87,363	87,363
Total loss-absorbing capacity as of 30.9.19	88,178	88,178

¹ Relates to pension liabilities of non-Swiss pension plans. ² Refer to "UBS shares" in this section for more information about the publicly announced share repurchase program. ³ Includes movements related to accruals for dividends to shareholders for the current year and other items.

Additional information

Sensitivity to currency movements

Risk-weighted assets

We estimate that a 10% depreciation of the US dollar against other currencies would have increased our RWA by USD 11 billion and our CET1 capital by USD 1.0 billion as of 30 September 2019 (30 June 2019: USD 11 billion and USD 1.1 billion, respectively) and decreased our CET1 capital ratio 13 basis points (30 June 2019: 13 basis points). Conversely, we estimate that a 10% appreciation of the US dollar against other currencies would have decreased our RWA by USD 10 billion and our CET1 capital by USD 0.9 billion (30 June 2019: USD 10 billion and USD 1.0 billion, respectively) and increased our CET1 capital ratio 13 basis points (30 June 2019: 13 basis points).

Leverage ratio denominator

We estimate that a 10% depreciation of the US dollar against other currencies would have increased our LRD by USD 56 billion as of 30 September 2019 (30 June 2019: USD 57 billion) and decreased our Swiss SRB going concern leverage ratio 18 basis points (30 June 2019: 18 basis points). Conversely, we estimate that a 10% appreciation of the US dollar against other currencies would have decreased our LRD by USD 50 billion (30 June 2019: USD 52 billion) and increased our Swiss SRB going concern leverage ratio 18 basis points (30 June 2019: 19 basis points).

The aforementioned sensitivities do not consider foreign currency translation effects related to defined benefit plans other than those related to the currency translation of the net equity of foreign operations.

→ Refer to “Active management of sensitivity to currency movements” in the “Capital management” section of our Annual Report 2018 for more information

Estimated effect on capital from litigation, regulatory and similar matters subject to provisions and contingent liabilities

We have estimated the loss in capital that we could incur as a result of the risks associated with the matters described in “Note 16 Provisions and contingent liabilities” in the “Consolidated financial statements” section of this report. We have used for this purpose the advanced measurement approach (AMA) methodology that we use when determining the capital requirements associated with operational risks, based on a 99.9% confidence level over a 12-month horizon. The methodology takes into consideration UBS and industry experience for the AMA operational risk categories to which those matters correspond, as well as the external environment affecting risks of these types, in isolation from other areas. On this standalone basis, we estimate the loss in capital that we could incur over a 12-month period as a result of our risks associated with these operational risk categories at USD 4.5 billion as of 30 September 2019. This estimate is not related to and does not take into account any provisions recognized for any of these matters and does not constitute a subjective assessment of our actual exposure in any of these matters.

- Refer to “Operational risk” in the “Risk management and control” section of our Annual Report 2018 for more information
- Refer to “Note 16 Provisions and contingent liabilities” in the “Consolidated financial statements” section of this report for more information

Risk-weighted assets

During the third quarter of 2019, risk-weighted assets (RWA) increased by USD 2.5 billion to USD 264.6 billion, reflecting increases from asset size and other movements of USD 5.7 billion, partly offset by currency effects of USD 2.5 billion, a decrease in regulatory add-ons of USD 0.5 billion and model updates of USD 0.1 billion.

Movement in risk-weighted assets by key driver

<i>USD billion</i>	RWA as of 30.6.19	Currency effects	Model updates / changes	Regulatory add-ons	Asset size and other ¹	RWA as of 30.9.19
Credit and counterparty credit risk ²	149.1	(2.4)	0.9		6.1	153.7
Non-counterparty-related risk	21.8	(0.2)			(0.2)	21.4
Market risk	11.0		(1.0)	(0.5)	(0.3)	9.2
Operational risk	80.3					80.3
Total	262.1	(2.5)	(0.1)	(0.5)	5.7	264.6

¹ Includes the Pillar 3 categories "Asset size," "Credit quality of counterparties," "Acquisitions and disposals" and "Other." For more information, refer to the 30 September 2019 Pillar 3 report under "Pillar 3 disclosures" at www.ubs.com/investors. ² Includes settlement risk, credit valuation adjustments, equity exposures in the banking book and securitization exposures in the banking book.

Credit and counterparty credit risk

Credit and counterparty credit risk RWA increased by USD 4.6 billion to USD 153.7 billion as of 30 September 2019. The RWA movements described below exclude currency effects.

The RWA increase from asset size and other movements of USD 6.1 billion was predominantly driven by increases in traded loans, term loans exposures and unutilized credit facilities in the Investment Bank's Corporate Client Solutions business.

The increase in RWA from model updates of USD 0.9 billion was mainly driven by the continued phasing-in of RWA increases related to probability of default (PD) and loss given default (LGD) changes from the implementation of revised models for Swiss residential mortgages, which resulted in an RWA increase of USD 0.4 billion in Personal & Corporate Banking and USD 0.1 billion in Global Wealth Management. In addition, a change of the credit conversion factor from 5% to 10% for zero-balance securities-backed lending and margin loans exposures increased RWA in Global Wealth Management by USD 0.4 billion.

We anticipate that methodology changes and model updates, including the continued phase-in of RWA increases related to PD and LGD factors on Swiss mortgages, will increase credit and counterparty credit risk RWA by around USD 1 billion in the fourth quarter of 2019. We expect there will be further regulatory-driven increases in credit risk RWA in 2020, especially upon the implementation of the standardized approach for

counterparty credit risk (SA-CCR) in January 2020. The extent and timing of RWA changes may vary as methodology changes and model updates are completed and receive regulatory approval, and as regulatory multipliers are adjusted. In addition, changes in the composition of the relevant portfolios and other factors will affect our RWA.

→ Refer to "Credit risk models" in the "Risk management and control" section of our Annual Report 2018 for more information

Market risk

Market risk RWA decreased by USD 1.8 billion to USD 9.2 billion in the third quarter of 2019, mainly driven by reductions from model updates of USD 1.0 billion reflecting changes to the VaR model parameters following our periodic review of VaR model parameters and from regulatory add-ons of USD 0.5 billion, which reflect updates from the monthly risks-not-in-VaR assessment.

→ Refer to the "Risk management and control" section of this report and our 30 September 2019 Pillar 3 report available under "Pillar 3 disclosures" at www.ubs.com/investors, for more information

→ Refer to "Market risk" in the "Risk management and control" section of our Annual Report 2018 for more information

Operational risk

Operational risk RWA were USD 80.3 billion as of 30 September 2019, unchanged from 30 June 2019.

→ Refer to “Operational risk” in the “Risk management and control” section of our Annual Report 2018 for information about the advanced measurement approach model

Risk-weighted assets by business division and Corporate Center

USD billion	Global Wealth Management	Personal & Corporate Banking	Asset Management	Investment Bank	Corporate Center	Total RWA
			30.9.19			
Credit and counterparty credit risk ¹	34.4	54.5	1.8	55.7	7.2	153.7
Non-counterparty-related risk ²	6.2	2.1	0.7	3.3	9.1	21.4
Market risk	0.8	0.0	0.0	6.6	1.8	9.2
Operational risk	37.2	8.0	2.1	23.3	9.7	80.3
Total	78.7	64.5	4.6	88.9	27.9	264.6
			30.6.19			
Credit and counterparty credit risk ¹	32.8	55.7	1.8	51.1	7.7	149.1
Non-counterparty-related risk ²	6.3	2.1	0.7	3.4	9.2	21.8
Market risk	0.9	0.0	0.0	8.1	1.9	11.0
Operational risk	37.2	8.0	2.1	23.3	9.7	80.3
Total	77.3	65.7	4.6	85.9	28.6	262.1
			30.9.19 vs 30.6.19			
Credit and counterparty credit risk ¹	1.7	(1.2)	0.0	4.6	(0.5)	4.6
Non-counterparty-related risk ²	(0.1)	0.0	0.0	(0.1)	(0.1)	(0.4)
Market risk	(0.1)	0.0	0.0	(1.5)	(0.1)	(1.8)
Operational risk	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.4	(1.2)	0.0	3.1	(0.8)	2.5

¹ Includes settlement risk, credit valuation adjustments, equity exposures in the banking book and securitization exposures in the banking book. ² Non-counterparty-related risk includes deferred tax assets recognized for temporary differences (30 September 2019: USD 8.7 billion; 30 June 2019: USD 8.9 billion), property, equipment and software (30 September 2019: USD 12.4 billion; 30 June 2019: USD 12.7 billion) and other items (30 September 2019: USD 0.2 billion; 30 June 2019: USD 0.3 billion).

Leverage ratio denominator

During the third quarter of 2019, the leverage ratio denominator (LRD) decreased by USD 9 billion to USD 902 billion. This decrease was driven by currency effects of USD 13 billion, partly offset by an increase in asset size and other movements of USD 4 billion.

Movement in leverage ratio denominator by key driver

<i>USD billion</i>	LRD as of 30.6.19	Currency effects	Asset size and other	LRD as of 30.9.19
On-balance sheet exposures (excluding derivative exposures and SFTs) ¹	677.6	(10.1)	0.1	667.6
Derivative exposures	93.0	(1.5)	4.1	95.7
Securities financing transactions	128.7	(1.2)	1.5	129.0
Off-balance sheet items	25.5	(0.3)	0.1	25.2
Deduction items	(13.5)	0.1	(2.2)	(15.6)
Total	911.4	(13.1)	3.6	901.9

¹ Excludes positive replacement values, cash collateral receivables on derivative instruments, cash collateral on securities borrowed, reverse repurchase agreements, margin loans and prime brokerage receivables related to securities financing transactions, which are presented separately under Derivative exposures and Securities financing transactions in this table.

The LRD movements described below exclude currency effects.

Derivative exposures increased by USD 4 billion, mainly as a result of mark-to-market effects on foreign exchange and interest rate contracts held in our Foreign Exchange, Rates and Credit business in the Investment Bank.

Securities financing transactions (SFTs) increased by USD 2 billion, mainly reflecting higher brokerage receivables driven by new business and mark-to-market movements.

Deduction items increased by USD 2 billion, predominantly driven by the recognition in OCI of the Swiss pension plan surplus in the third quarter of 2019.

→ **Refer to the “Balance sheet, liquidity and funding management” section of this report for more information about balance sheet movements**

Leverage ratio denominator by business division and Corporate Center

<i>USD billion</i>	Global Wealth Management	Personal & Corporate Banking	Asset Management	Investment Bank	Corporate Center	Total
			30.9.19			
Total IFRS assets	311.7	202.3	32.2	325.0	101.9	973.1
Difference in scope of consolidation ¹	(0.1)	0.0	(25.5)	(0.3)	0.1	(25.9)
Less: derivative exposures and SFTs ²	(37.3)	(19.9)	(1.0)	(158.1)	(63.4)	(279.6)
On-balance sheet exposures	274.3	182.4	5.7	166.6	38.6	667.6
Derivative exposures	6.8	1.9	0.0	78.3	8.6	95.7
Securities financing transactions	34.1	18.5	1.0	47.2	28.1	129.0
Off-balance sheet items	4.3	12.6	0.0	7.9	0.4	25.2
Items deducted from Swiss SRB tier 1 capital	(6.0)	(0.8)	(1.5)	(0.3)	(6.9)	(15.6)
Total	313.6	214.6	5.2	299.7	68.8	901.9
			30.6.19			
Total IFRS assets	320.9	201.7	31.2	316.9	98.0	968.7
Difference in scope of consolidation ¹	(0.2)	0.0	(25.1)	(0.4)	0.1	(25.6)
Less: derivative exposures and SFTs ²	(40.4)	(18.8)	(0.8)	(147.8)	(57.6)	(265.5)
On-balance sheet exposures	280.3	182.9	5.2	168.7	40.4	677.6
Derivative exposures	6.0	1.6	0.0	76.0	9.5	93.0
Securities financing transactions	37.6	17.7	0.8	48.6	23.9	128.7
Off-balance sheet items	4.4	12.7	0.0	7.4	0.9	25.5
Items deducted from Swiss SRB tier 1 capital	(5.2)	(0.3)	(1.4)	(0.3)	(6.3)	(13.5)
Total	323.2	214.6	4.7	300.4	68.5	911.4
			30.9.19 vs 30.6.19			
Total IFRS assets	(9.2)	0.6	1.0	8.1	4.0	4.4
Difference in scope of consolidation ¹	0.0	0.0	(0.4)	0.1	0.0	(0.2)
Less: derivative exposures and SFTs ²	3.2	(1.1)	(0.1)	(10.3)	(5.8)	(14.2)
On-balance sheet exposures	(6.0)	(0.5)	0.5	(2.1)	(1.8)	(10.0)
Derivative exposures	0.9	0.3	0.0	2.3	(0.8)	2.6
Securities financing transactions	(3.5)	0.8	0.1	(1.3)	4.2	0.3
Off-balance sheet items	(0.1)	(0.1)	0.0	0.5	(0.5)	(0.3)
Items deducted from Swiss SRB tier 1 capital	(0.7)	(0.5)	(0.1)	(0.1)	(0.7)	(2.1)
Total	(9.5)	0.0	0.5	(0.7)	0.3	(9.5)

¹ Represents the difference between the IFRS and the regulatory scope of consolidation, which is the applicable scope for the LRD calculation. ² Consists of derivative financial instruments, cash collateral receivables on derivative instruments, receivables from securities financing transactions, and margin loans as well as prime brokerage receivables and financial assets at fair value not held for trading, both related to securities financing transactions, in accordance with the regulatory scope of consolidation, which are presented separately under Derivative exposures and Securities financing transactions.

Equity attribution and return on attributed equity

Under our equity attribution framework, tangible equity is attributed based on a weighting of 50% each for average risk weighted assets (RWA) and average leverage ratio denominator (LRD), which both include resource allocations from Corporate Center to the business divisions. Average RWA and LRD are converted to their common equity tier 1 (CET1) capital equivalents based on capital ratios of 12.5% and 3.75%, respectively. If the attributed tangible equity calculated under the weighted-driver approach is less than the CET1 capital equivalent of risk-based capital (RBC) for any business division, the CET1 capital equivalent of RBC is used as a floor for that business division.

Furthermore, we allocate to business divisions attributed equity that is related to certain CET1 deduction items, such as compensation-related components and the expected losses on advanced internal ratings-based portfolio less general provisions.

In addition to tangible equity, we allocate equity to our businesses to support goodwill and intangible assets.

We attribute all remaining Basel III capital deduction items to Corporate Center Group items. These deduction items include deferred tax assets (DTAs) recognized for tax loss carry-forwards and DTAs on temporary differences in excess of the threshold, which together constituted the largest component of Corporate Center Group items, dividend accruals and unrealized gains from cash flow hedges.

- Refer to the “Capital management” section of our Annual Report 2018 for more information about the equity attribution framework
- Refer to the “Balance sheet, liquidity and funding management” section of this report for more information about movements in equity attributable to shareholders

Attributed equity

	For the quarter ended			Year-to-date	
USD billion	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Average attributed equity					
Global Wealth Management	16.7	16.6	16.3	16.6	16.3
Personal & Corporate Banking	8.5	8.3	8.0	8.4	8.0
Asset Management	1.8	1.8	1.8	1.8	1.8
Investment Bank	12.2	12.4	12.8	12.3	13.1
Corporate Center ¹	15.5	14.3	12.8	14.7	13.3
of which: deferred tax assets ²	7.1	7.2	7.0	7.2	7.2
of which: dividend accruals and others	5.7	4.2	2.9	4.7	3.1
of which: related to retained RWA and LRD ³	2.7	2.8	3.0	2.9	3.0
Average equity attributed to business divisions and Corporate Center	54.7	53.4	51.7	53.8	52.4

¹ Attributed equity for Corporate Center increased in the third quarter of 2019 following the recognition of the Swiss pension plan surplus in equity attributable to shareholders. ² Includes average attributed equity related to the Basel III capital deduction items for deferred tax assets (deferred tax assets recognized for tax loss carry-forwards and deferred tax assets on temporary differences, excess over threshold) as well as retained RWA and LRD related to deferred tax assets. ³ Excludes average attributed equity related to retained RWA and LRD related to deferred tax assets.

Return on attributed equity¹

	For the quarter ended			Year-to-date	
In %	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Return on attributed equity¹					
Reported					
Global Wealth Management	21.4	21.0	21.2	21.1	24.0
Personal & Corporate Banking	16.8	18.8	19.9	18.0	19.3
Asset Management	27.9	27.6	26.2	26.1	23.4
Investment Bank	5.6	13.8	14.2	8.7	15.9
Adjusted²					
Global Wealth Management	22.0	21.3	23.0	21.5	24.9
Personal & Corporate Banking	17.1	18.9	20.4	18.2	19.2
Asset Management	30.2	29.8	28.1	28.1	26.1
Investment Bank	6.6	14.2	15.3	9.4	17.1

¹ Return on attributed equity for Corporate Center is not shown, as it is not meaningful. ² Adjusted results are non-GAAP financial measures as defined by SEC regulations.

UBS shares

UBS Group AG shares are listed on the SIX Swiss Exchange (SIX). They are also listed on the New York Stock Exchange (NYSE) as global registered shares. Each share has a par value of CHF 0.10 per share.

Shares issued were unchanged in the third quarter of 2019.

Treasury shares totaled 228 million shares as of 30 September 2019, of which 101 million shares had been acquired under our share repurchase program for cancellation purposes. The remaining shares are primarily held to hedge our share delivery

obligations related to employee share-based compensation and participation plans and totaled 127 million shares as of 30 September 2019.

Treasury shares held increased by 29 million shares in the third quarter of 2019. This largely reflected repurchases of 28.3 million shares under our share repurchase program. Since March 2018, when the share repurchase program was started, we have acquired 100.7 million shares for a total consideration of CHF 1,350 million (USD 1,365 million).

UBS Group AG share information

	As of or for the quarter ended			% change from
	30.9.19	30.6.19	30.9.18	30.6.19
Shares issued	3,859,055,395	3,859,055,395	3,855,121,120	0
Treasury shares	227,874,988	199,121,101	128,747,979	14
<i>of which: related to share repurchase program</i>	<i>100,688,200</i>	<i>72,435,200</i>	<i>40,080,000</i>	<i>39</i>
Shares outstanding	3,631,180,407	3,659,934,294	3,726,373,141	(1)
Basic earnings per share (USD) ¹	0.29	0.38	0.34	(24)
Diluted earnings per share (USD) ¹	0.28	0.37	0.33	(24)
Basic earnings per share (CHF) ²	0.29	0.38	0.33	(24)
Diluted earnings per share (CHF) ²	0.28	0.37	0.32	(24)
Equity attributable to shareholders (USD million)	56,187	53,180	52,094	6
Less: goodwill and intangible assets (USD million)	6,560	6,624	6,436	(1)
Tangible equity attributable to shareholders (USD million)	49,627	46,555	45,657	7
Total book value per share (USD)	15.47	14.53	13.98	6
Tangible book value per share (USD)	13.67	12.72	12.25	7
Share price (USD) ³	11.35	11.88	15.79	(4)
Market capitalization (USD million) ⁴	41,210	43,491	58,856	(5)

¹ Refer to "Note 9 Earnings per share (EPS) and shares outstanding" in the "Consolidated financial statements" section of this report for more information. ² Basic and diluted earnings per share in Swiss francs are calculated based on a translation of net profit / (loss) under our US dollar presentation currency. As a consequence of the restatement to a US dollar presentation currency, amounts may differ from those originally published in our quarterly and annual reports. ³ Represents the share price as listed on the SIX Swiss Exchange, translated to US dollars using the closing exchange rate as of the respective date. ⁴ Beginning with our Annual Report 2018, the calculation of market capitalization has been amended to reflect total shares outstanding multiplied by the share price at the end of the period. The calculation was previously based on total shares issued multiplied by the share price at the end of the period. Market capitalization has been reduced by USD 2.0 billion as of 30 September 2018 as a result.

Ticker symbols UBS Group AG

Trading exchange	SIX / NYSE	Bloomberg	Reuters
SIX Swiss Exchange	UBSG	UBSG SW	UBSG.S
New York Stock Exchange	UBS	UBS UN	UBS.N

Security identification codes

ISIN	CH0244767585
Valoren	24 476 758
CUSIP	CINS H42097 10 7

Consolidated financial statements

Unaudited

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UBS Group AG interim consolidated financial statements (unaudited)

Income statement

		For the quarter ended			Year-to-date	
USD million	Note	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Interest income from financial instruments measured at amortized cost and fair value through other comprehensive income	3	2,699	2,749	2,536	8,118	7,417
Interest expense from financial instruments measured at amortized cost	3	(1,776)	(1,955)	(1,645)	(5,616)	(4,610)
Interest income from financial instruments measured at fair value through profit or loss	3	1,209	1,257	1,115	3,812	3,323
Interest expense from financial instruments measured at fair value through profit or loss	3	(1,043)	(1,025)	(823)	(3,074)	(2,309)
Net interest income	3	1,090	1,026	1,182	3,239	3,822
Other net income from financial instruments measured at fair value through profit or loss		1,587	1,939	1,689	5,461	5,663
Credit loss (expense) / recovery	10	(38)	(12)	(10)	(70)	(64)
Fee and commission income	4	4,805	4,907	4,875	14,253	14,897
Fee and commission expense	4	(396)	(434)	(409)	(1,238)	(1,264)
Net fee and commission income	4	4,409	4,474	4,466	13,015	13,633
Other income	5	39	105	101	193	187
Total operating income		7,088	7,532	7,428	21,838	23,240
Personnel expenses	6	3,987	4,153	3,936	12,182	12,293
General and administrative expenses	7	1,308	1,175	1,462	3,670	4,504
Depreciation and impairment of property, equipment and software		432	427	310	1,285	885
Amortization and impairment of intangible assets		16	18	15	50	48
Total operating expenses		5,743	5,773	5,724	17,188	17,730
Operating profit / (loss) before tax		1,345	1,759	1,704	4,650	5,510
Tax expense / (benefit)	8	294	366	448	1,067	1,303
Net profit / (loss)		1,051	1,393	1,256	3,582	4,207
Net profit / (loss) attributable to non-controlling interests		1	1	3	0	6
Net profit / (loss) attributable to shareholders		1,049	1,392	1,253	3,582	4,201

Earnings per share (USD)

Basic	9	0.29	0.38	0.34	0.97	1.12
Diluted	9	0.28	0.37	0.33	0.95	1.09

Statement of comprehensive income

	For the quarter ended			Year-to-date	
USD million	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Comprehensive income attributable to shareholders					
Net profit / (loss)	1,049	1,392	1,253	3,582	4,201
Other comprehensive income that may be reclassified to the income statement					
Foreign currency translation					
Foreign currency translation movements related to net assets of foreign operations, before tax	(668)	302	38	(523)	(606)
Effective portion of changes in fair value of hedging instruments designated as net investment hedges, before tax	305	(122)	107	209	160
Foreign currency translation differences on foreign operations reclassified to the income statement	45	3	5	49	11
Effective portion of changes in fair value of hedging instruments designated as net investment hedges reclassified to the income statement	1	(13)	0	(12)	0
Income tax relating to foreign currency translations, including the impact of net investment hedges	1	(2)	(2)	1	(2)
Subtotal foreign currency translation, net of tax	(316)	168	148	(277)	(437)
Financial assets measured at fair value through other comprehensive income					
Net unrealized gains / (losses), before tax	30	90	(25)	201	(124)
Impairment charges reclassified to the income statement from equity	0	0	0	0	0
Realized gains reclassified to the income statement from equity	(26)	(2)	0	(30)	0
Realized losses reclassified to the income statement from equity	1	1	0	2	0
Income tax relating to net unrealized gains / (losses)	(4)	(24)	6	(45)	35
Subtotal financial assets measured at fair value through other comprehensive income, net of tax	0	65	(18)	128	(89)
Cash flow hedges of interest rate risk					
Effective portion of changes in fair value of derivative instruments designated as cash flow hedges, before tax	542	987	(257)	2,116	(859)
Net (gains) / losses reclassified to the income statement from equity	(49)	(24)	(46)	(93)	(251)
Income tax relating to cash flow hedges	(76)	(191)	65	(374)	224
Subtotal cash flow hedges, net of tax	417	773	(237)	1,649	(885)
Total other comprehensive income that may be reclassified to the income statement, net of tax	101	1,006	(108)	1,500	(1,411)
Other comprehensive income that will not be reclassified to the income statement					
Defined benefit plans					
Gains / (losses) on defined benefit plans, before tax	2,478	14	(56)	2,330	32
Income tax relating to defined benefit plans	(478)	(7)	4	(501)	55
Subtotal defined benefit plans, net of tax	2,000	8	(52)	1,828	87
Own credit on financial liabilities designated at fair value					
Gains / (losses) from own credit on financial liabilities designated at fair value, before tax	1	72	(289)	(253)	141
Income tax relating to own credit on financial liabilities designated at fair value	0	0	2	8	0
Subtotal own credit on financial liabilities designated at fair value, net of tax	1	72	(288)	(245)	141
Total other comprehensive income that will not be reclassified to the income statement, net of tax	2,001	80	(340)	1,584	228
Total other comprehensive income	2,101	1,086	(448)	3,084	(1,183)
Total comprehensive income attributable to shareholders	3,151	2,478	805	6,666	3,018

Statement of comprehensive income (continued)

	For the quarter ended			Year-to-date	
USD million	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Comprehensive income attributable to non-controlling interests					
Net profit / (loss)	1	1	3	0	6
Other comprehensive income that will not be reclassified to the income statement					
Foreign currency translation movements, before tax	(6)	(6)	1	(8)	(2)
Income tax relating to foreign currency translation movements	0	0	0	0	0
Subtotal foreign currency translation, net of tax	(6)	(6)	1	(8)	(2)
Total other comprehensive income that will not be reclassified to the income statement, net of tax	(6)	(6)	1	(8)	(2)
Total comprehensive income attributable to non-controlling interests	(5)	(5)	4	(8)	4
Total comprehensive income					
Net profit / (loss)	1,051	1,393	1,256	3,582	4,207
Other comprehensive income	2,095	1,080	(447)	3,075	(1,185)
of which: other comprehensive income that may be reclassified to the income statement	101	1,006	(108)	1,500	(1,411)
of which: other comprehensive income that will not be reclassified to the income statement	1,994	74	(339)	1,575	226
Total comprehensive income	3,146	2,473	809	6,658	3,022

Balance sheet

<i>USD million</i>	Note	30.9.19	30.6.19	31.12.18
Assets				
Cash and balances at central banks		91,292	101,457	108,370
Loans and advances to banks		13,152	12,916	16,868
Receivables from securities financing transactions		91,954	92,919	95,349
Cash collateral receivables on derivative instruments	12	25,659	23,774	23,602
Loans and advances to customers	10	320,170	322,655	320,352
Other financial assets measured at amortized cost	13	23,552	22,158	22,563
Total financial assets measured at amortized cost		565,780	575,878	587,104
Financial assets at fair value held for trading	11	115,840	120,173	104,370
<i>of which: assets pledged as collateral that may be sold or repledged by counterparties</i>		<i>40,412</i>	<i>36,010</i>	<i>32,121</i>
Derivative financial instruments	11, 12	134,241	121,686	126,210
Brokerage receivables	11	17,653	16,915	16,840
Financial assets at fair value not held for trading	11	93,162	89,569	82,690
Total financial assets measured at fair value through profit or loss		360,896	348,343	330,110
Financial assets measured at fair value through other comprehensive income	11	6,993	7,422	6,667
Investments in associates		1,009	1,049	1,099
Property, equipment and software		12,487	12,694	9,348
Goodwill and intangible assets		6,560	6,624	6,647
Deferred tax assets		9,471	9,571	10,105
Other non-financial assets	13	9,923	7,146	7,410
Total assets		973,118	968,728	958,489

Balance sheet (continued)

USD million	Note	30.9.19	30.6.19	31.12.18
Liabilities				
Amounts due to banks		8,235	9,494	10,962
Payables from securities financing transactions		5,570	6,798	10,296
Cash collateral payables on derivative instruments	12	32,291	31,448	28,906
Customer deposits		426,785	433,017	419,838
Debt issued measured at amortized cost	15	117,084	120,805	132,271
Other financial liabilities measured at amortized cost	13	10,507	10,520	6,885
Total financial liabilities measured at amortized cost		600,472	612,082	609,158
Financial liabilities at fair value held for trading	11	33,494	32,261	28,943
Derivative financial instruments	11, 12	131,435	121,087	125,723
Brokerage payables designated at fair value	11	38,260	36,929	38,420
Debt issued designated at fair value	11, 14	66,709	67,984	57,031
Other financial liabilities designated at fair value	11, 13	34,782	34,407	33,594
Total financial liabilities measured at fair value through profit or loss		304,680	292,668	283,711
Provisions	16	2,965	3,011	3,494
Other non-financial liabilities	13	8,650	7,617	9,022
Total liabilities		916,768	915,378	905,386
Equity				
Share capital		338	338	338
Share premium		17,966	17,802	20,843
Treasury shares		(3,151)	(2,843)	(2,631)
Retained earnings		35,611	32,548	30,448
Other comprehensive income recognized directly in equity, net of tax		5,422	5,335	3,930
Equity attributable to shareholders		56,187	53,180	52,928
Equity attributable to non-controlling interests		163	170	176
Total equity		56,351	53,350	53,103
Total liabilities and equity		973,118	968,728	958,489

Statement of changes in equity

<i>USD million</i>	Share capital	Share premium	Treasury shares	Retained earnings
Balance as of 1 January 2018	338	23,598	(2,210)	25,389
Issuance of share capital	0			
Acquisition of treasury shares			(1,051)	
Delivery of treasury shares under share-based compensation plans		(973)	1,081	
Other disposal of treasury shares			35	
Premium on shares issued and warrants exercised		17		
Share-based compensation expensed in the income statement		536		
Tax (expense) / benefit		15		
Dividends		(2,440) ²		
Equity classified as obligation to purchase own shares		(16)		
Translation effects recognized directly in retained earnings				(22)
New consolidations / (deconsolidations) and other increases / (decreases)		(8)		
Total comprehensive income for the period				4,429
<i>of which: net profit / (loss)</i>				4,201
<i>of which: other comprehensive income (OCI) that may be reclassified to the income statement, net of tax</i>				
<i>of which: OCI that will not be reclassified to the income statement, net of tax – defined benefit plans</i>				87
<i>of which: OCI that will not be reclassified to the income statement, net of tax – own credit</i>				141
<i>of which: OCI that will not be reclassified to the income statement, net of tax – foreign currency translation</i>				
Balance as of 30 September 2018	338	20,729	(2,145)	29,797
Balance as of 1 January 2019 before the adoption of IFRIC 23	338	20,843	(2,631)	30,448
Effect of adoption of IFRIC 23 ³				(11)
Balance as of 1 January 2019 after the adoption of IFRIC 23	338	20,843	(2,631)	30,437
Issuance of share capital	0			
Acquisition of treasury shares			(1,545)	
Delivery of treasury shares under share-based compensation plans		(870)	951	
Other disposal of treasury shares		(2)	75	
Premium on shares issued and warrants exercised		29		
Share-based compensation expensed in the income statement		498		
Tax (expense) / benefit		17		
Dividends		(2,544) ²		
Translation effects recognized directly in retained earnings				8
New consolidations / (deconsolidations) and other increases / (decreases)		(4)		
Total comprehensive income for the period				5,166
<i>of which: net profit / (loss)</i>				3,582
<i>of which: other comprehensive income (OCI) that may be reclassified to the income statement, net of tax</i>				
<i>of which: OCI that will not be reclassified to the income statement, net of tax – defined benefit plans</i>				1,828
<i>of which: OCI that will not be reclassified to the income statement, net of tax – own credit</i>				(245)
<i>of which: OCI that will not be reclassified to the income statement, net of tax – foreign currency translation</i>				
Balance as of 30 September 2019	338	17,966	(3,151)	35,611

¹ Excludes defined benefit plans and own credit that are recorded directly in Retained earnings. ² Reflects the payment of an ordinary cash dividend of CHF 0.70 (2018: CHF 0.65) per dividend-bearing share out of the capital contribution reserve. ³ Refer to "Note 1d International Financial Reporting Standards and Interpretations to be adopted in 2019 and later and other changes" in the "Consolidated financial statements" section of the Annual Report 2018 for more information about IFRIC 23, Uncertainty over Income Tax Treatments, which UBS adopted from 1 January 2019.

Other comprehensive income recognized directly in equity, net of tax ¹	<i>foreign currency translation</i>	<i>of which: financial assets measured at fair value through OCI</i>	<i>of which: cash flow hedges</i>	Total equity attributable to shareholders	Non-controlling interests	Total equity
4,764	4,466	(61)	360	51,879	59	51,938
				0		0
				(1,051)		(1,051)
				108		108
				35		35
				17		17
				536		536
				15		15
				(2,440)	(7)	(2,446)
				(16)		(16)
22		3	18	0		0
				(8)	(17)	(25)
(1,411)	(437)	(89)	(885)	3,018	4	3,022
				4,201	6	4,207
(1,411)	(437)	(89)	(885)	(1,411)		(1,411)
				87		87
				141		141
				0	(2)	(2)
3,375	4,029	(147)	(507)	52,094	39	52,132
3,930	3,924	(103)	109	52,928	176	53,103
				(11)		(11)
3,930	3,924	(103)	109	52,917	176	53,092
				0		0
				(1,545)		(1,545)
				81		81
				73		73
				29		29
				498		498
				17		17
				(2,544)	(6)	(2,551)
(8)		0	(8)	0		0
				(4)	2	(2)
1,500	(277)	128	1,649	6,666	(8)	6,658
				3,582	0	3,582
1,500	(277)	128	1,649	1,500		1,500
				1,828		1,828
				(245)		(245)
				0	(8)	(8)
5,422	3,648	25	1,749	56,187	163	56,351

Statement of cash flows

	Year-to-date	
<i>USD million</i>	30.9.19	30.9.18
Cash flow from / (used in) operating activities		
Net profit / (loss)	3,582	4,207
Non-cash items included in net profit and other adjustments:		
Depreciation and impairment of property, equipment and software	1,285	885
Amortization and impairment of intangible assets	50	48
Credit loss expense / (recovery)	70	64
Share of net profits of associates / joint ventures and impairment of associates	(32)	(48)
Deferred tax expense / (benefit)	459	655
Net loss / (gain) from investing activities	(42)	(28)
Net loss / (gain) from financing activities	3,286	2,480
Other net adjustments	(714)	(186)
Net change in operating assets and liabilities:		
Loans and advances to banks / amounts due to banks	(2,596)	2,475
Securities financing transactions	(1,515)	1,097
Cash collateral on derivative instruments	1,350	(434)
Loans and advances to customers	(3,513)	(8,558)
Customer deposits	12,345	(2,199)
Financial assets and liabilities at fair value held for trading and derivative financial instruments	(5,441)	(6,582)
Brokerage receivables and payables	(969)	7,692
Financial assets at fair value not held for trading, other financial assets and liabilities	(10,078)	6,653
Provisions, other non-financial assets and liabilities	365	(149)
Income taxes paid, net of refunds	(691)	(742)
Net cash flow from / (used in) operating activities	(2,799)	7,330
Cash flow from / (used in) investing activities		
Purchase of subsidiaries, associates and intangible assets	(25)	(17)
Disposal of subsidiaries, associates and intangible assets ¹	110	126
Purchase of property, equipment and software	(1,154)	(1,209)
Disposal of property, equipment and software	8	105
Purchase of financial assets measured at fair value through other comprehensive income	(3,130)	(1,097)
Disposal and redemption of financial assets measured at fair value through other comprehensive income	2,958	1,098
Net (purchase) / redemption of debt securities measured at amortized cost	(736)	(2,157)
Net cash flow from / (used in) investing activities	(1,969)	(3,151)

Statement of cash flows (continued)

	Year-to-date	
<i>USD million</i>	30.9.19	30.9.18
Cash flow from / (used in) financing activities		
Net short-term debt issued / (repaid)	(12,814)	(7,536)
Net movements in treasury shares and own equity derivative activity	(1,368)	(916)
Distributions paid on UBS shares	(2,544)	(2,440)
Issuance of long-term debt, including debt issued designated at fair value	50,093	50,515
Repayment of long-term debt, including debt issued designated at fair value	(47,606)	(36,055)
Net changes in non-controlling interests	(6)	14
Net cash flow from / (used in) financing activities	(14,245)	3,582
Total cash flow		
Cash and cash equivalents at the beginning of the period	126,079	104,834
Net cash flow from / (used in) operating, investing and financing activities	(19,013)	7,762
Effects of exchange rate differences on cash and cash equivalents	(1,492)	(1,776)
Cash and cash equivalents at the end of the period²	105,575	110,819
<i>of which: cash and balances at central banks</i>	<i>91,180</i>	<i>94,276</i>
<i>of which: loans and advances to banks</i>	<i>12,051</i>	<i>14,109</i>
<i>of which: money market paper³</i>	<i>2,344</i>	<i>2,434</i>
Additional information		
Net cash flow from / (used in) operating activities includes:		
Interest received in cash	11,696	10,532
Interest paid in cash	8,822	6,865
Dividends on equity investments, investment funds and associates received in cash ⁴	2,632	1,938

¹ Includes dividends received from associates. ² USD 2,245 million and USD 3,112 million of cash and cash equivalents (mainly reflected in Loans and advances to banks) were restricted as of 30 September 2019 and 30 September 2018, respectively. Refer to "Note 26 Restricted and transferred financial assets" in the "Consolidated financial statements" section of the Annual Report 2018 for more information. ³ Money market paper is included in the balance sheet under Financial assets at fair value held for trading, Financial assets measured at fair value through other comprehensive income, Financial assets at fair value not held for trading and Other financial assets measured at amortized cost. ⁴ Includes dividends received from associates reported within Net cash flow from / (used in) investing activities.

Notes to the UBS Group AG interim consolidated financial statements (unaudited)

Note 1 Basis of accounting

Basis of preparation

The consolidated financial statements (the financial statements) of UBS Group AG and its subsidiaries (together, "UBS" or the "Group") are prepared in accordance with International Financial Reporting Standards (IFRS), as issued by the International Accounting Standards Board (IASB), and are presented in US dollars (USD), which is also the functional currency of UBS Group AG, UBS AG's Head Office, UBS AG's London Branch and UBS's US-based operations. These interim financial statements are prepared in accordance with IAS 34, *Interim Financial Reporting*.

In preparing these interim financial statements, the same accounting policies and methods of computation have been applied as in the UBS Group AG consolidated annual financial statements for the period ended 31 December 2018, except for the changes described in this note. These interim financial statements are unaudited and should be read in conjunction with UBS Group AG's audited consolidated financial statements included in the Annual Report 2018. In the opinion of management, all necessary adjustments were made for a fair presentation of the Group's financial position, results of operations and cash flows.

Preparation of these interim financial statements requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, income, expenses and disclosures of contingent assets and liabilities. These estimates and assumptions are based on the best available information. Actual results in the future could differ from such estimates and such differences may be material to the financial statements. Revisions to estimates, based on regular reviews, are recognized in the period in which they occur. For more information about areas of estimation uncertainty that are considered to require critical judgment, refer to "Note 1a Significant accounting policies" in the "Consolidated financial statements" section of the Annual Report 2018.

Adoption of IFRS 16, *Leases*

Application and transition effect

Effective from 1 January 2019, UBS adopted IFRS 16, *Leases*, which replaced IAS 17, *Leases*, and sets out the principles for the recognition, measurement, presentation and disclosure of leases.

IFRS 16 introduces a single lessee accounting model and fundamentally changes how UBS accounts for operating leases when acting as a lessee, with a requirement to record a right-of-use asset and lease liability on the balance sheet. UBS is a lessee in a number of leases, primarily of real estate, including offices, retail branches and sales offices, with a smaller number of IT hardware leases. As permitted by the transitional provisions of IFRS 16, UBS elected to apply the modified retrospective approach and has not restated comparative figures. Overall, adoption of IFRS 16 resulted in a USD 3.5 billion increase in both total assets and total liabilities in UBS's consolidated financial statements. There was no effect on equity.

→ Refer to the tables on the next page for more information

UBS applied the following practical expedients that are permitted on transition to IFRS 16 where UBS is the lessee in a lease previously classified as an operating lease:

- to not reassess whether or not a contract contained a lease;
- to rely on previous assessments of whether such contracts were considered onerous;
- to rely on previous sale-and-leaseback assessments;
- to adjust lease terms with the benefit of hindsight with respect to whether extension or termination options are reasonably certain of being exercised;
- to discount lease liabilities using the Group's incremental borrowing rate in each currency as at 1 January 2019;
- to initially measure the right-of-use asset at an amount equal to the lease liability for leases previously classified as operating leases, adjusted for existing lease balances such as rent prepayments, rent accruals, lease incentives and onerous lease provisions, but excluding initial direct costs; and
- to not apply IFRS 16 to leases in which the remaining term will end within 12 months from the transition date.

Note 1 Basis of accounting (continued)

The measurement of leases previously classified as finance leases where UBS acts as a lessee has not changed on transition to IFRS 16. Similarly, UBS has made no adjustments where UBS acts as a lessor, in either a finance or operating lease, of physical assets it owns. Where UBS acts as an intermediate lessor, i.e., where UBS enters into a head lease and sub-leases the asset to a third party, the sub-lease has been classified as either a finance or operating

lease based primarily on whether the sub-lease term consumes the majority of the remaining useful life of the right-of-use asset arising from the head lease as at the transition date.

The following table reconciles the obligations in respect of operating leases as at 31 December 2018 to the opening lease liabilities recognized on 1 January 2019:

Reconciliation between operating lease commitments disclosed under IAS 17 and lease liabilities recognized under IFRS 16

<i>USD million</i>	
Total undiscounted operating lease commitments as of 31 December 2018	4,688
Leases with a remaining term of less than one year as of 1 January 2019	(18)
Excluded service components	(296)
Reassessment of lease term for extension or termination options	403
Total undiscounted lease payments	4,777
Discounted at a weighted average incremental borrowing rate of 3.07%	(744)
IFRS 16 transition adjustment	4,033
Finance lease liabilities as of 31 December 2018	24
Carrying amount of total lease liabilities as of 1 January 2019	4,057

The following table provides details on the determination of right-of-use assets on transition:

Determination of right-of-use (RoU) assets on transition

<i>USD million</i>	Carrying amount
Recognition of gross RoU assets upon adoption of IFRS 16 (IFRS 16 transition adjustment)	4,033
Offset by liabilities recognized as of 31 December 2018	(521)
<i>of which: other non-financial liabilities (lease incentives)</i>	<i>(204)</i>
<i>of which: other financial liabilities measured at amortized cost (rent accruals)</i>	<i>(185)</i>
<i>of which: provisions (onerous lease provisions)</i>	<i>(132)</i>
Increase in total assets resulting from the adoption of IFRS 16 on 1 January 2019¹	3,512
Reclassification of assets recognized as of 31 December 2018 as an addition to RoU assets	43
<i>of which: other financial assets measured at amortized cost (finance lease assets recognized under IAS 17 as of 31 December 2018)</i>	<i>24</i>
<i>of which: other non-financial assets (prepaid rent)</i>	<i>19</i>
Reclassification of finance lease receivables from subleases to other financial assets measured at amortized cost resulting in a reduction of RoU assets	(176)
Total right-of-use assets as of 1 January 2019 presented within Property, equipment and software	3,378

¹ Total liabilities increased by the same amount upon adoption of IFRS 16.

Lease liabilities are presented within *Other financial liabilities measured at amortized cost* and right-of-use assets within *Property, equipment and software*. Finance lease receivables are included within *Other financial assets measured at amortized cost*. Due to the practical expedients taken on transition, there was no effect on equity. The weighted average lease term on 1 January 2019 was approximately 9 years.

During the third quarter of 2019 the depreciation expense for right-of-use assets presented within *Depreciation and impairment of property, equipment and software* was USD 117 million (second quarter of 2019: USD 119 million; first quarter of 2019: USD 118 million). The interest expense on lease liabilities

presented within *Interest expense from financial instruments measured at amortized cost* was USD 30 million (second quarter of 2019: USD 31 million; first quarter of 2019: USD 32 million) and other rent expenses (including non-lease components paid to landlords) presented within *General and administrative expenses* were USD 15 million (second quarter of 2019: USD 12 million; first quarter of 2019: USD 16 million). This compares with total rent expenses presented in *General and administrative expenses* of USD 148 million, USD 149 million and USD 152 million for the quarters ended 30 September 2018, 30 June 2018 and 31 March 2018, respectively.

Note 1 Basis of accounting (continued)**Update to significant accounting policy – Leasing (disclosed in “Note 1a item 15 Leasing” in the “Consolidated financial statements” section of the Annual Report 2018)**

UBS predominantly enters into lease contracts, or contracts that include lease components, as a lessee of real estate, including offices, retail branches and sales offices, with a small number of IT hardware leases. UBS identifies non-lease components of a contract and accounts for them separately from lease components.

When UBS is a lessee in a lease arrangement, UBS recognizes a lease liability and corresponding right-of-use asset at the commencement of the lease term when UBS acquires control of the physical use of the asset. Lease liabilities are presented within *Other financial liabilities measured at amortized cost* and right-of-use assets within *Property, equipment and software*. The lease liability is measured based on the present value of the lease payments over the lease term, discounted using UBS's unsecured borrowing rate given that the rate implicit in a lease is generally not observable to the lessee. Interest expense on the lease liability is presented within *Interest expense from financial instruments measured at amortized cost*. The right-of-use asset is recorded at an amount equal to the lease liability but is adjusted for rent prepayments, initial direct costs, any costs to refurbish the leased asset or lease incentives received. The right-of-use asset is depreciated over the shorter of the lease term or the useful life of the underlying asset, with the depreciation presented within *Depreciation and impairment of property, equipment and software*.

Lease payments generally include fixed payments and variable payments that depend on an index (such as an inflation index). When a lease contains an extension or termination option that the Group considers reasonably certain to be exercised, the expected rental payments or costs of termination are included within the lease payments used to generate the lease liability. UBS does not typically enter into leases with purchase options or residual value guarantees.

Where UBS acts as a lessor or sub-lessor under a finance lease, a receivable is recognized in *Other financial assets measured at amortized cost* at an amount equal to the present value of the aggregate of the lease payments plus any unguaranteed residual value that UBS expects to recover at the end of the lease term. Initial direct costs are also included in the initial measurement of the lease receivable. Lease payments received during the lease term are allocated as repayments of the outstanding receivable. Interest income reflects a constant periodic rate of return on UBS's net investment using the interest rate implicit in the lease (or, for sub-leases, the rate for

the head lease). UBS reviews the estimated unguaranteed residual value annually, and if the estimated residual value to be realized is less than the amount assumed at lease inception, a loss is recognized for the expected shortfall. Where UBS acts as a lessor or sub-lessor in an operating lease, UBS recognizes the operating lease income on a straight-line basis over the lease term.

Lease receivables are subject to impairment requirements as set out in “Note 1a item 3g” in the “Consolidated financial statements” section of the Annual Report 2018. Expected credit losses (ECL) on lease receivables are determined following the general impairment model within IFRS 9, *Financial Instruments*, without utilizing the simplified approach of always measuring impairment at the amount of lifetime ECL.

Other changes to accounting policies**Changes in Corporate Center segment reporting, cost and resource allocation to business divisions**

Effective from 1 January 2019, UBS made changes to Corporate Center segment reporting, as well as cost and resource allocation to business divisions.

→ Refer to Note 2 for more information

Presentation of dividend income and expense from financial instruments measured at fair value through profit or loss

Effective from 1 January 2019, UBS refined the presentation of dividend income and expense. This resulted in a reclassification of dividends from *Interest income (expense) from financial instruments measured at fair value through profit or loss* into *Other net income from financial instruments measured at fair value through profit or loss* (prior to 1 January 2019: *Other net income from fair value changes on financial instruments*). The change aligns the presentation of dividends with related fair value changes from the equity instruments and economic hedges removing volatility that has historically arisen within both *Net interest income* and *Other net income from fair value changes on financial instruments*. There is no effect on *Total operating income* or *Net profit / (loss)*. Prior periods have been restated for this presentational change and the effect on the respective reporting lines is outlined in the table below.

Refer to “Note 1d International Financial Reporting Standards and Interpretations to be adopted in 2019 and later and other changes” in the “Consolidated financial statements” section of the Annual Report 2018 for further details on standards adopted by UBS from 1 January 2019, none of which had a material effect on the Group's financial statements.

Note 1 Basis of accounting (continued)

Changes to the presentation of dividend income and expense from financial instruments measured at fair value through profit or loss

USD million	For the quarter ended			For the year ended	
	31.3.18	30.6.18	30.9.18	31.12.18	31.12.18
Interest income from financial instruments measured at fair value through profit or loss	(572)	(636)	(699)	(401)	(2,308)
Interest expense from financial instruments measured at fair value through profit or loss	160	846	175	151	1,331
Net interest income	(412)	210	(524)	(250)	(976)
Other net income from financial instruments measured at fair value through profit or loss	412	(210)	524	250	976

Changes in accounting standards to be adopted in future reporting periods

Amendments to IAS 39, IFRS 9 and IFRS 7 (*Interest Rate Benchmark Reform*)

In September 2019, the IASB issued *Interest Rate Benchmark Reform, Amendments to IFRS 9, IAS 39 and IFRS 7*, enabling hedge accounting to continue during the period of uncertainty before existing interest rate benchmarks are replaced with alternative risk-free interest rates. The amendments are mandatorily effective from 1 January 2020, with early adoption permitted, and apply to hedge relationships that exist at the

beginning of the reporting period or are designated thereafter, and to the gains or losses that exist in OCI on adoption. Adopting these amendments will allow UBS to maintain current hedge accounting relationships and to assume that the current benchmark rates will continue to exist, with no consequential impact on the financial statements. In addition, the amendments bring in a number of new disclosure requirements to provide detail on the effects arising from the change in interest rate benchmarks. UBS is continuing to assess the effects of the amendments and will shortly determine whether it expects to early adopt the revisions in the fourth quarter of 2019 or instead from their mandatory effective date in the first quarter of 2020.

Note 2 Segment reporting

Overview and changes in Corporate Center segment reporting

UBS's businesses are organized globally into four business divisions: Global Wealth Management, Personal & Corporate Banking, Asset Management and the Investment Bank. All four business divisions are supported by Corporate Center and qualify as reportable segments for the purpose of segment reporting. Together with Corporate Center they reflect the management structure of the Group.

→ Refer to "Note 1a Significant accounting policies item 2" and "Note 2 Segment reporting" in the "Consolidated financial statements" section of the Annual Report 2018 for more information about the Group's reporting segments

As a consequence of a substantial reduction in the Non-core and Legacy Portfolio and following changes to UBS's methodology for allocating Corporate Center costs to the business divisions, beginning with the first quarter 2019 report, UBS provides results for total Corporate Center only and does not separately report Corporate Center – Services, Group Asset and Liability Management and Non-core and Legacy Portfolio.

USD million	Global Wealth Management	Personal & Corporate Banking	Asset Management	Investment Bank	Corporate Center	UBS
For the nine months ended 30 September 2019¹						
Net interest income	2,953	1,491	(19)	(593)	(593)	3,239
Non-interest income	9,260	1,372	1,406	6,205	427	18,669
Income	12,213	2,863	1,387	5,612	(167)	21,908
Credit loss (expense) / recovery	(11)	(29)	0	(24)	(7)	(70)
Total operating income	12,202	2,834	1,386	5,588	(174)	21,838
Personnel expenses	5,708	649	538	2,198	3,089	12,182
General and administrative expenses	864	162	141	427	2,077	3,670
Services (to) / from Corporate Center and other business divisions	2,952	882	356	2,147	(6,336)	0
<i>of which: services from Corporate Center</i>	<i>2,834</i>	<i>964</i>	<i>389</i>	<i>2,187</i>	<i>(6,373)</i>	<i>0</i>
Depreciation and impairment of property, equipment and software	4	10	1	5	1,265	1,285
Amortization and impairment of intangible assets	42	0	0	5	3	50
Total operating expenses	9,571	1,703	1,035	4,782	97	17,188
Operating profit / (loss) before tax	2,631	1,131	352	806	(271)	4,650
Tax expense / (benefit)						1,067
Net profit / (loss)						3,582
As of 30 September 2019						
Total assets	311,705	202,329	32,156	324,989	101,940	973,118

Note 2 Segment reporting (continued)

<i>USD million</i>	Global Wealth Management	Personal & Corporate Banking	Asset Management	Investment Bank	Corporate Center	UBS
For the nine months ended 30 September 2018¹						
Net interest income ²	3,073	1,532	(22)	(272)	(489)	3,822
Non-interest income ²	9,587	1,390	1,406	6,812	288	19,483
Income	12,660	2,922	1,384	6,540	(201)	23,305
Credit loss (expense) / recovery	(4)	(39)	0	(20)	(2)	(64)
Total operating income	12,656	2,883	1,384	6,520	(203)	23,240
Personnel expenses	5,801	618	537	2,404	2,933	12,293
General and administrative expenses	908	175	145	398	2,878	4,504
Services (to) / from Corporate Center and other business divisions	2,982	928	380	2,137	(6,427)	0
of which: services from Corporate Center	2,886	1,006	413	2,175	(6,480)	0
Depreciation and impairment of property, equipment and software	3	10	1	6	865	885
Amortization and impairment of intangible assets	36	0	1	10	1	48
Total operating expenses	9,729	1,731	1,064	4,956	251	17,730
Operating profit / (loss) before tax	2,927	1,152	320	1,564	(454)	5,510
Tax expense / (benefit)						1,303
Net profit / (loss)						4,207

As of 31 December 2018

Total assets¹	313,737	200,703	28,140	302,253	113,656	958,489
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¹ Prior-period information for the nine months ended 30 September 2018 has been restated to reflect the changed approach used for allocating Corporate Center funding costs and expenses to the business divisions and the updated fund transfer pricing framework, resulting in a decrease in Operating profit / (loss) before tax for Global Wealth Management of USD 270 million, for Personal & Corporate Banking of USD 85 million, for Asset Management of USD 18 million and for the Investment Bank of USD 122 million, with a corresponding increase for Corporate Center of USD 495 million. Additionally, Total assets as of 31 December 2018, has been restated to reflect the changed approach used for allocating balance sheet resources from Corporate Center to the business divisions, predominantly from high-quality liquid assets, resulting in an increase of Total assets in Global Wealth Management of USD 114 billion, in Personal & Corporate Banking of USD 62 billion, in Asset Management of USD 4 billion and in the Investment Bank of USD 44 billion, with a corresponding decrease of assets in Corporate Center of USD 223 billion. Upon adoption of IFRS 16, Leases, as of 1 January 2019, UBS additionally allocated approximately USD 3.5 billion of newly recognized right-of-use assets and finance lease receivables to the business divisions. ² Effective from the first quarter of 2019, UBS refined the presentation of dividend income and expense, reclassifying dividends from financial instruments measured at fair value through profit or loss from Net interest income to Non-interest income. Prior-period information was restated accordingly, with virtually all of the effect on the Group arising from the Investment Bank. Refer to Note 1 for more information.

Note 3 Net interest income¹

<i>USD million</i>	For the quarter ended			Year-to-date	
	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Net interest income from financial instruments measured at amortized cost and fair value through other comprehensive income					
Interest income from loans and deposits ²	2,004	2,065	1,938	6,092	5,754
Interest income from securities financing transactions ³	521	545	398	1,564	1,100
Interest income from other financial instruments measured at amortized cost	91	83	108	270	176
Interest income from debt instruments measured at fair value through other comprehensive income	31	27	39	83	112
Interest income from derivative instruments designated as cash flow hedges	53	29	53	108	275
Total interest income from financial instruments measured at amortized cost and fair value through other comprehensive income	2,699	2,749	2,536	8,118	7,417
Interest expense on loans and deposits ⁴	664	737	520	2,067	1,354
Interest expense on securities financing transactions ⁵	285	324	278	897	847
Interest expense on debt issued	798	863	847	2,559	2,408
Interest expense on lease liabilities ⁶	30	31		93	0
Total interest expense from financial instruments measured at amortized cost	1,776	1,955	1,645	5,616	4,610
Total net interest income from financial instruments measured at amortized cost and fair value through other comprehensive income	923	794	890	2,502	2,808
Net interest income from financial instruments measured at fair value through profit or loss					
Net interest income from financial instruments at fair value held for trading	215	325	242	974	747
Net interest income from brokerage balances	92	43	134	212	471
Interest income from financial instruments at fair value not held for trading	624	575	445	1,720	1,218
Other interest income	44	42	48	131	165
Interest expense on financial instruments designated at fair value	(807)	(753)	(577)	(2,299)	(1,587)
Total net interest income from financial instruments measured at fair value through profit or loss	167	232	292	737	1,014
Total net interest income	1,090	1,026	1,182	3,239	3,822

¹ Effective from the first quarter of 2019, UBS refined the presentation of dividend income and expense, reclassifying dividends from Interest income (expense) from financial instruments measured at fair value through profit or loss to Other net income from financial instruments measured at fair value through profit or loss. Prior-year comparative information was restated accordingly. Refer to Note 1 for more information.

² Consists of interest income from cash and balances at central banks, loans and advances to banks and customers, cash collateral receivables on derivative instruments, and negative interest on amounts due to banks and customer deposits. ³ Includes interest income on receivables from securities financing transactions and negative interest, including fees, on payables from securities financing transactions. ⁴ Consists of interest expense on amounts due to banks, cash collateral payables on derivative instruments, customer deposits, and negative interest on cash and balances at central banks, loans and advances to banks.

⁵ Includes interest expense on payables from securities financing transactions and negative interest, including fees, on receivables from securities financing transactions. ⁶ Relates to lease liabilities recognized upon adoption of IFRS 16 on 1 January 2019. Refer to Note 1 for more information.

Note 4 Net fee and commission income

USD million	For the quarter ended			Year-to-date	
	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Fee and commission income					
Underwriting fees	169	224	210	548	634
<i>of which: equity underwriting fees</i>	71	118	98	237	313
<i>of which: debt underwriting fees</i>	98	105	113	310	321
M&A and corporate finance fees	204	296	261	616	646
Brokerage fees	800	826	786	2,454	2,699
Investment fund fees	1,200	1,196	1,221	3,572	3,727
Portfolio management and related services	1,958	1,915	1,949	5,677	5,820
Other	475	451	447	1,386	1,373
Total fee and commission income¹	4,805	4,907	4,875	14,253	14,897
<i>of which: recurring</i>	<i>3,195</i>	<i>3,136</i>	<i>3,240</i>	<i>9,328</i>	<i>9,691</i>
<i>of which: transaction-based</i>	<i>1,596</i>	<i>1,749</i>	<i>1,616</i>	<i>4,861</i>	<i>5,147</i>
<i>of which: performance-based</i>	<i>14</i>	<i>23</i>	<i>19</i>	<i>64</i>	<i>59</i>
Fee and commission expense					
Brokerage fees paid	68	88	63	235	228
Other	328	345	346	1,003	1,036
Total fee and commission expense	396	434	409	1,238	1,264
Net fee and commission income	4,409	4,474	4,466	13,015	13,633
<i>of which: net brokerage fees</i>	<i>732</i>	<i>738</i>	<i>723</i>	<i>2,218</i>	<i>2,470</i>

¹ Reflects third-party fee and commission income for the third quarter of 2019 of USD 2,989 million for Global Wealth Management (second quarter of 2019: USD 2,946 million; third quarter of 2018: USD 2,971 million), USD 333 million for Personal & Corporate Banking (second quarter of 2019: USD 327 million; third quarter of 2018: USD 340 million), USD 644 million for Asset Management (second quarter of 2019: USD 647 million; third quarter of 2018: USD 637 million), USD 823 million for the Investment Bank (second quarter of 2019: USD 962 million; third quarter of 2018: USD 907 million) and USD 16 million for Corporate Center (second quarter of 2019: USD 25 million; third quarter of 2018: USD 20 million).

Note 5 Other income

USD million	For the quarter ended			Year-to-date	
	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Associates, joint ventures and subsidiaries					
Net gains / (losses) from acquisitions and disposals of subsidiaries ¹	(46)	10	20	(35)	19
Net gains / (losses) from disposals of investments in associates	0	0	0	4	0
Share of net profits of associates and joint ventures	7	10	17	33	48
Impairments related to associates	0	(1)	0	(1)	0
Total	(38)	20	37	1	67
Net gains / (losses) from disposals of financial assets measured at fair value through other comprehensive income	26	1	0	28	0
Net gains / (losses) from disposals of financial assets measured at amortized cost	0	0	0	0	0
Income from properties ²	7	7	6	20	19
Net gains / (losses) from disposals of properties held for sale	0	7	31	7	31
Other	45	70	27	136	71
Total other income	39	105	101	193	187

¹ Includes foreign exchange gains / (losses) reclassified from other comprehensive income related to the disposal or closure of foreign operations. ² Includes rent received from third parties.

Note 6 Personnel expenses

USD million	For the quarter ended			Year-to-date	
	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Salaries and variable compensation	2,352	2,523	2,305	7,295	7,503
Financial advisor compensation ¹	1,029	1,005	1,016	2,994	3,055
Contractors	89	96	119	282	370
Social security	197	195	189	606	629
Pension and other post-employment benefit plans	186	194	149	604	285 ²
Other personnel expenses	134	140	158	403	451
Total personnel expenses	3,987	4,153	3,936	12,182	12,293

¹ Financial advisor compensation consists of grid-based compensation based directly on compensable revenues generated by financial advisors and supplemental compensation calculated on the basis of financial advisor productivity, firm tenure, assets and other variables. It also includes expenses related to compensation commitments with financial advisors entered into at the time of recruitment that are subject to vesting requirements. ² Changes to the pension fund of UBS in Switzerland in the first quarter of 2018 resulted in a reduction in the pension obligation recognized by UBS. As a consequence, a pre-tax gain of USD 241 million was recognized in the income statement in the first quarter of 2018, with no overall effect on total equity. Refer to "Note 29 Pension and other post-employment benefit plans" in the "Consolidated financial statements" section of the Annual Report 2018 for more information.

Note 7 General and administrative expenses

USD million	For the quarter ended			Year-to-date	
	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Occupancy	93	91	230	281	687
Rent and maintenance of IT and other equipment	170	168	158	522	467
Communication and market data services	154	157	158	466	475
Administration	127	103	117	353	334
of which: UK and German bank levies	(4)	(32)	0	(21)	(28)
Marketing and public relations	68	72	82	206	252
Travel and entertainment	89	100	102	279	313
Professional fees	227	193	237	597	722
Outsourcing of IT and other services	288	259	348	818	1,059
Litigation, regulatory and similar matters ¹	65	4	2	61	123
Other	28	28	27	87	73
Total general and administrative expenses	1,308	1,175	1,462	3,670	4,504

¹ Reflects the net increase in / (release of) provisions for litigation, regulatory and similar matters recognized in the income statement. Refer to Note 16 for more information. Also includes recoveries from third parties (third quarter of 2019: USD 2 million; second quarter of 2019: USD 1 million; third quarter of 2018: USD 0 million).

Note 8 Income taxes

The Group recognized income tax expenses of USD 294 million for the third quarter of 2019, compared with USD 448 million for the third quarter of 2018.

Current tax expenses were USD 229 million, compared with USD 235 million, and related to taxable profits of UBS Switzerland AG and other entities.

Deferred tax expenses were USD 65 million, compared with USD 213 million. Deferred tax expenses in the third quarter of 2019 include expenses of USD 130 million that primarily reflect the amortization of deferred tax assets (DTAs) previously recognized in relation to tax losses carried forward and

deductible temporary differences to reflect their offset against profits for the quarter, including the amortization of US tax loss DTAs at the level of UBS Americas Inc. Deferred tax expenses were decreased by a benefit of USD 65 million in respect of additional DTA recognition that resulted from the contribution of real estate assets by UBS AG to UBS Americas Inc. during the second quarter of 2019 in accordance with the requirements of IAS 34, *Interim Financial Reporting*, as described in the second quarter 2019 report. A further benefit of USD 65 million will be recognized in the fourth quarter of 2019.

Note 9 Earnings per share (EPS) and shares outstanding

	As of or for the quarter ended			As of or year-to-date	
	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Basic earnings (USD million)					
Net profit / (loss) attributable to shareholders	1,049	1,392	1,253	3,582	4,201
Diluted earnings (USD million)					
Net profit / (loss) attributable to shareholders	1,049	1,392	1,253	3,582	4,201
Less: (profit) / loss on own equity derivative contracts	0	0	0	0	(1)
Net profit / (loss) attributable to shareholders for diluted EPS	1,049	1,392	1,253	3,582	4,200
Weighted average shares outstanding					
Weighted average shares outstanding for basic EPS ¹	3,643,751,429	3,694,660,679	3,729,382,991	3,677,603,694	3,736,110,404
Effect of dilutive potential shares resulting from notional shares, in-the-money options and warrants outstanding	101,443,358	95,817,338	107,610,429	101,339,043	112,014,854
Weighted average shares outstanding for diluted EPS	3,745,194,787	3,790,478,017	3,836,993,420	3,778,942,737	3,848,125,258
Earnings per share (USD)					
Basic	0.29	0.38	0.34	0.97	1.12
Diluted	0.28	0.37	0.33	0.95	1.09
Shares outstanding					
Shares issued	3,859,055,395	3,859,055,395	3,855,121,120		
Treasury shares	227,874,988	199,121,101	128,747,979		
Shares outstanding	3,631,180,407	3,659,934,294	3,726,373,141		
¹ The weighted average shares outstanding for basic EPS are calculated by taking the number of shares at the beginning of the period, adjusted by the number of shares acquired or issued during the period, multiplied by a time-weighted factor for the period outstanding. As a result, balances are affected by the timing of acquisitions and issuances during the period.					
The table below outlines the potential shares that could dilute basic earnings per share in the future, but were not dilutive for the periods presented.					
<i>Number of shares</i>	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Potentially dilutive instruments					
Employee share-based compensation awards	855,690	2,311,369	2,690,180	855,690	2,690,180
Other equity derivative contracts	29,552,630	24,952,461	13,427,788	29,391,920	11,737,221
Total	30,408,320	27,263,830	16,117,968	30,247,610	14,427,401

Note 10 Expected credit loss measurement

a) Expected credit losses in the period

Total net credit loss expenses were USD 38 million, reflecting net expenses of USD 43 million related to credit-impaired (stage 3) positions and recoveries of USD 5 million related to stage 1 and stage 2 positions.

The recoveries of USD 5 million in stage 1 and 2 ECL during the quarter were primarily the result of a model update in the Investment Bank of USD 20 million, updates to macroeconomic and market data mainly in Personal & Corporate Banking and Global Wealth Management, partly offset by an update of the scenario weights and movements in book size and book quality.

Stage 3 net expenses of USD 43 million were recognized across a number of defaulted positions: USD 29 million in Personal & Corporate Banking, mainly related to a single exposure; USD 8 million in the Investment Bank; and USD 6 million in Global Wealth Management.

UBS uses four different economic scenarios in the ECL calculation: an upside, a baseline, a mild downside and a severe downside scenario. During the quarter, the macroeconomic and market data were updated to reflect current conditions across all scenarios. The forecast values used in the baseline scenario were also updated.

The reviews during the third quarter of 2019 reflected the increasing probability of a weakening economy in key markets, after a long period of substantial expansion, and the

uncertainties about the influence that several political developments with unpredictable outcomes may have on future growth. At the end of the third quarter, management reflected these developments by increasing the weight of the severe downside scenario by 2.5 percentage points, with a corresponding adjustment to the weight of the baseline scenario.

Economic scenarios and weights applied

ECL scenario	Assigned weights in %	
	30.9.19	30.6.19
Upside	10.0	10.0
Baseline	42.5	45.0
Mild downside	35.0	35.0
Severe downside	12.5	10.0

With the exception of the aforementioned model update in the Investment Bank, no further model changes which give rise to a material effect on ECL or stage allocation were made.

→ Refer to "Note 1a Significant accounting policies item 3g" and "Note 23 Expected credit loss measurement" in the "Consolidated financial statements" section of the Annual Report 2018 for more information

b) ECL-relevant balance sheet and off-balance sheet positions including ECL allowances and provisions

The tables on the following pages provide information about financial instruments and certain non-financial instruments that are subject to ECL. For amortized-cost instruments, the carrying amount represents the maximum exposure to credit risk, taking into account the allowance for credit losses. Financial assets measured at fair value through other comprehensive income (FVOCI) are also subject to ECL; however, unlike amortized-cost instruments, the allowance for credit losses for FVOCI

instruments does not reduce the carrying value of these financial assets. Rather, the carrying value of financial assets measured at FVOCI represents the maximum exposure to credit risk.

In addition to on-balance sheet financial assets, certain off-balance sheet and other credit lines are also subject to ECL. The maximum exposure to credit risk for off-balance sheet financial instruments is calculated based on the maximum contractual amounts.

Note 10 Expected credit loss measurement (continued)

USD million	30.9.19							
	Carrying amount ¹				ECL allowance			
Financial instruments measured at amortized cost	Total	Stage 1	Stage 2	Stage 3	Total	Stage 1	Stage 2	Stage 3
Cash and balances at central banks	91,292	91,292	0	0	0	0	0	0
Loans and advances to banks	13,152	13,118	34	0	(5)	(4)	0	(1)
Receivables from securities financing transactions	91,954	91,954	0	0	(3)	(3)	0	0
Cash collateral receivables on derivative instruments	25,659	25,659	0	0	0	0	0	0
Loans and advances to customers	320,170	300,841	17,447	1,882	(787)	(74)	(137)	(576)
of which: Private clients with mortgages	128,526	119,659	7,925	942	(115)	(14)	(63)	(38)
of which: Real estate financing	36,843	30,624	6,205	14	(39)	(3)	(31)	(5)
of which: Large corporate clients	10,635	9,885	654	96	(146)	(13)	(10)	(124)
of which: SME clients	11,566	9,271	1,632	663	(297)	(15)	(19)	(263)
of which: Lombard	111,326	111,261	0	64	(21)	(3)	0	(18)
of which: Credit cards	1,624	1,284	320	20	(34)	(7)	(14)	(12)
of which: Commodity trade finance	2,825	2,425	376	24	(79)	(5)	0	(74)
Other financial assets measured at amortized cost	23,552	22,713	310	529	(142)	(36)	(7)	(99)
of which: Loans to financial advisors	3,004	2,670	171	162	(107)	(30)	(4)	(72)
Total financial assets measured at amortized cost	565,780	545,577	17,792	2,411	(937)	(117)	(144)	(676)
Financial assets measured at fair value through other comprehensive income	6,993	6,993	0	0	0	0	0	0
Total on-balance sheet financial assets in scope of ECL requirements	572,773	552,570	17,792	2,411	(937)	(117)	(144)	(676)

Off-balance sheet (in scope of ECL)	Total exposure				ECL provision			
	Total	Stage 1	Stage 2	Stage 3	Total	Stage 1	Stage 2	Stage 3
Guarantees	15,570	15,066	419	86	(41)	(7)	(2)	(32)
of which: Large corporate clients	3,470	3,250	190	30	(8)	(1)	(1)	(6)
of which: SME clients	1,159	992	118	49	(22)	0	0	(21)
of which: Financial intermediaries and hedge funds	5,997	5,975	22	0	(4)	(4)	0	0
of which: Lombard	635	635	0	0	(1)	0	0	(1)
of which: Commodity trade finance	2,025	1,935	83	7	(1)	(1)	0	0
Irrevocable loan commitments	27,122	26,443	634	45	(26)	(15)	(10)	(1)
of which: Large corporate clients	19,124	18,527	571	26	(19)	(11)	(7)	(1)
Forward starting reverse repurchase and securities borrowing agreements	1,093	1,093	0	0	0	0	0	0
Committed unconditionally revocable credit lines	32,597	31,498	1,056	43	(35)	(18)	(17)	0
of which: Real estate financing	2,755	2,385	371	0	(16)	(3)	(13)	0
of which: Large corporate clients	3,979	3,890	74	16	(1)	(1)	0	0
of which: SME clients	4,524	4,271	230	23	(9)	(7)	(2)	0
of which: Lombard	7,594	7,594	0	0	0	0	0	0
of which: Credit cards	7,624	7,307	317	0	(6)	(5)	(2)	0
Irrevocable committed prolongation of existing loans	2,854	2,849	0	5	(2)	(2)	0	0
Total off-balance sheet financial instruments and other credit lines	79,236	76,948	2,109	179	(104)	(42)	(28)	(33)
Total allowances and provisions					(1,041)	(160)	(173)	(709)

¹ The carrying amount of financial assets measured at amortized cost represents the total gross exposure net of the respective ECL allowances.

Note 10 Expected credit loss measurement (continued)

USD million	30.6.19							
	Carrying amount ¹				ECL allowance			
	Total	Stage 1	Stage 2	Stage 3	Total	Stage 1	Stage 2	Stage 3
Financial instruments measured at amortized cost								
Cash and balances at central banks	101,457	101,457	0	0	0	0	0	0
Loans and advances to banks	12,916	12,896	19	0	(5)	(2)	0	(3)
Receivables from securities financing transactions	92,919	92,919	0	0	(2)	(2)	0	0
Cash collateral receivables on derivative instruments	23,774	23,774	0	0	0	0	0	0
Loans and advances to customers	322,655	302,788	18,262	1,605	(755)	(78)	(130)	(546)
<i>of which: Private clients with mortgages</i>	129,715	120,461	8,467	787	(120)	(15)	(67)	(38)
<i>of which: Real estate financing</i>	37,605	30,501	7,089	14	(45)	(4)	(36)	(5)
<i>of which: Large corporate clients</i>	11,000	10,483	448	69	(110)	(14)	(4)	(91)
<i>of which: SME clients</i>	11,861	9,866	1,348	647	(277)	(18)	(9)	(249)
<i>of which: Lombard</i>	110,903	110,874	0	29	(23)	(3)	0	(20)
<i>of which: Credit cards</i>	1,561	1,231	311	19	(32)	(7)	(13)	(12)
<i>of which: Commodity trade finance</i>	3,387	2,930	442	15	(84)	(5)	(1)	(78)
Other financial assets measured at amortized cost	22,158	21,502	212	445	(145)	(36)	(4)	(105)
<i>of which: Loans to financial advisors</i>	3,075	2,951	63	61	(110)	(32)	(2)	(76)
Total financial assets measured at amortized cost	575,878	555,335	18,493	2,050	(907)	(119)	(134)	(654)
Financial assets measured at fair value through other comprehensive income	7,422	7,422	0	0	0	0	0	0
Total on-balance sheet financial assets in scope of ECL requirements	583,300	562,757	18,493	2,050	(907)	(119)	(134)	(654)
	Total exposure				ECL provision			
Off-balance sheet (in scope of ECL)	Total	Stage 1	Stage 2	Stage 3	Total	Stage 1	Stage 2	Stage 3
Guarantees	16,810	16,202	413	195	(40)	(6)	(1)	(33)
<i>of which: Large corporate clients</i>	3,573	3,352	98	123	(3)	(1)	0	(1)
<i>of which: SME clients</i>	1,192	970	153	69	(30)	0	0	(29)
<i>of which: Financial intermediaries and hedge funds</i>	6,825	6,796	29	0	(3)	(3)	0	0
<i>of which: Lombard</i>	642	642	0	0	(1)	0	0	(1)
<i>of which: Commodity trade finance</i>	1,740	1,615	122	3	(2)	(1)	0	(1)
Irrevocable loan commitments	27,463	26,885	563	14	(40)	(33)	(7)	0
<i>of which: Large corporate clients</i>	18,944	18,453	489	2	(34)	(29)	(6)	0
Forward starting reverse repurchase and securities borrowing agreements	2,259	2,259	0	0	0	0	0	0
Committed unconditionally revocable credit lines	29,480	28,334	1,078	68	(40)	(19)	(21)	0
<i>of which: Real estate financing</i>	2,893	2,488	405	0	(21)	(4)	(17)	0
<i>of which: Large corporate clients</i>	4,409	4,340	52	17	(1)	(1)	0	0
<i>of which: SME clients</i>	4,427	4,135	243	48	(9)	(7)	(1)	0
<i>of which: Lombard</i>	4,254	4,254	0	0	0	0	0	0
<i>of which: Credit cards</i>	7,755	7,447	308	0	(6)	(4)	(2)	0
Irrevocable committed prolongation of existing loans	3,668	3,667	0	0	(3)	(3)	0	0
Total off-balance sheet financial instruments and other credit lines	79,679	77,348	2,055	277	(122)	(60)	(29)	(33)
Total allowances and provisions					(1,030)	(180)	(163)	(687)

¹ The carrying amount of financial assets measured at amortized cost represents the total gross exposure net of the respective ECL allowances.

Note 10 Expected credit loss measurement (continued)

USD million	31.12.18							
	Carrying amount ¹				ECL allowance			
	Total	Stage 1	Stage 2	Stage 3	Total	Stage 1	Stage 2	Stage 3
Financial instruments measured at amortized cost								
Cash and balances at central banks	108,370	108,370	0	0	0	0	0	0
Loans and advances to banks	16,868	16,666	202	0	(7)	(4)	(1)	(3)
Receivables from securities financing transactions	95,349	95,349	0	0	(2)	(2)	0	0
Cash collateral receivables on derivative instruments	23,602	23,602	0	0	0	0	0	0
Loans and advances to customers	320,352	298,248	20,357	1,748	(772)	(69)	(155)	(549)
<i>of which: Private clients with mortgages</i>	126,335	115,679	9,859	796	(138)	(16)	(83)	(39)
<i>of which: Real estate financing</i>	36,474	28,578	7,858	38	(59)	(3)	(40)	(16)
<i>of which: Large corporate clients</i>	11,390	10,845	457	88	(95)	(9)	(4)	(82)
<i>of which: SME clients</i>	9,924	8,029	1,263	632	(281)	(13)	(12)	(256)
<i>of which: Lombard</i>	111,722	111,707	0	14	(21)	(4)	0	(17)
<i>of which: Credit cards</i>	1,529	1,216	297	16	(30)	(6)	(13)	(11)
<i>of which: Commodity trade finance</i>	3,260	2,798	445	16	(86)	(5)	(3)	(78)
Other financial assets measured at amortized cost	22,563	21,862	223	478	(155)	(43)	(4)	(109)
<i>of which: Loans to financial advisors</i>	3,291	3,104	62	125	(113)	(34)	(2)	(77)
Total financial assets measured at amortized cost	587,104	564,096	20,782	2,226	(937)	(117)	(159)	(660)
Financial assets measured at fair value through other comprehensive income	6,667	6,667	0	0	0	0	0	0
Total on-balance sheet financial assets in scope of ECL requirements	593,770	570,763	20,782	2,226	(937)	(117)	(159)	(660)
	Total exposure				ECL provision			
Off-balance sheet (in scope of ECL)	Total	Stage 1	Stage 2	Stage 3	Total	Stage 1	Stage 2	Stage 3
Guarantees	18,146	17,321	611	215	(43)	(7)	(2)	(34)
<i>of which: Large corporate clients</i>	3,862	3,599	136	127	(8)	(1)	(1)	(6)
<i>of which: SME clients</i>	1,298	1,057	164	77	(26)	0	0	(25)
<i>of which: Financial intermediaries and hedge funds</i>	7,193	7,125	67	0	(4)	(3)	0	0
<i>of which: Lombard</i>	834	834	0	0	0	0	0	0
<i>of which: Commodity trade finance</i>	2,097	1,851	236	11	(1)	(1)	0	0
Irrevocable loan commitments	31,212	30,590	568	53	(37)	(32)	(5)	0
<i>of which: Large corporate clients</i>	22,019	21,492	519	7	(31)	(26)	(4)	0
Forward starting reverse repurchase and securities borrowing agreements	937	937	0	0	0	0	0	0
Committed unconditionally revocable credit lines	36,634	35,121	1,420	93	(36)	(19)	(16)	0
<i>of which: Real estate financing</i>	2,562	2,150	401	11	(17)	(4)	(12)	0
<i>of which: Large corporate clients</i>	4,260	4,152	91	17	(2)	(1)	0	0
<i>of which: SME clients</i>	4,505	4,163	285	57	(7)	(6)	(1)	0
<i>of which: Lombard</i>	7,402	7,402	0	0	0	(1)	0	0
<i>of which: Credit cards</i>	7,343	7,035	309	0	(6)	(4)	(2)	0
Irrevocable committed prolongation of existing loans	3,339	2,861	456	22	(1)	(1)	0	0
Total off-balance sheet financial instruments and other credit lines	90,268	86,830	3,055	383	(116)	(59)	(23)	(34)
Total allowances and provisions					(1,054)	(176)	(183)	(695)

¹ The carrying amount of financial assets measured at amortized cost represents the total gross exposure net of the respective ECL allowances.

Note 11 Fair value measurement

This Note provides fair value measurement information for both financial and non-financial instruments and should be read in conjunction with "Note 24 Fair value measurement" in the "Consolidated financial statements" section of the Annual Report 2018, which provides more information about valuation principles, valuation governance, fair value hierarchy classification, valuation adjustments, valuation techniques and inputs, sensitivity of fair value measurements, and methods applied to calculate fair values for financial instruments not measured at fair value.

All financial and non-financial assets and liabilities measured or disclosed at fair value are categorized into one of three fair

value hierarchy levels. In certain cases, the inputs used to measure fair value may fall within different levels of the fair value hierarchy. For disclosure purposes, the level in the hierarchy within which the instrument is classified in its entirety is based on the lowest level input that is significant to the position's fair value measurement:

- Level 1: quoted prices (unadjusted) in active markets for identical assets and liabilities;
- Level 2: valuation techniques for which all significant inputs are, or are based on, observable market data; or
- Level 3: valuation techniques for which significant inputs are not based on observable market data.

Note 11 Fair value measurement (continued)

a) Fair value hierarchy

The fair value hierarchy classification of financial and non-financial assets and liabilities measured at fair value is summarized in the table below.

Determination of fair values from quoted market prices or valuation techniques¹

USD million	30.9.19				30.6.19				31.12.18			
	Level 1	Level 2	Level 3	Total	Level 1	Level 2	Level 3	Total	Level 1	Level 2	Level 3	Total
Financial assets measured at fair value on a recurring basis												
Financial assets at fair value held for trading	101,292	12,136	2,412	115,840	105,661	12,887	1,625	120,173	88,452	13,956	1,962	104,370
of which:												
Government bills / bonds	10,786	1,659	63	12,509	11,966	1,564	71	13,601	9,554	1,607	0	11,161
Corporate and municipal bonds	511	7,569	293	8,373	538	6,578	481	7,597	558	5,559	651	6,768
Loans	0	790	1,730	2,520	0	1,968	695	2,663	0	2,886	680	3,566
Investment fund units	8,501	1,323	118	9,942	7,895	1,578	153	9,625	6,074	3,200	442	9,716
Asset-backed securities	1	453	139	593	1	464	138	603	0	248	144	392
Equity instruments	81,493	342	69	81,904	85,260	736	88	86,084	72,266	455	46	72,768
Derivative financial instruments	631	132,470	1,139	134,241	449	119,690	1,546	121,686	753	124,033	1,424	126,210
of which:												
Interest rate contracts	0	50,475	322	50,798	0	43,867	576	44,443	0	36,658	418	37,076
Credit derivative contracts	0	1,732	342	2,074	0	1,734	515	2,248	0	1,444	476	1,920
Foreign exchange contracts	422	56,002	20	56,444	166	47,961	16	48,143	311	53,148	30	53,489
Equity / index contracts	12	21,452	455	21,919	6	23,178	437	23,620	3	30,905	496	31,404
Commodity contracts	0	2,721	0	2,722	2	2,870	0	2,872	0	1,768	2	1,769
Brokerage receivables	0	17,653	0	17,653	0	16,915	0	16,915	0	16,840	0	16,840
Financial assets at fair value not held for trading	45,293	44,348	3,521	93,162	43,131	42,540	3,898	89,569	40,204	38,073	4,413	82,690
of which:												
Government bills / bonds	19,202	4,171	0	23,373	17,470	4,127	0	21,597	17,687	4,806	0	22,493
Corporate and municipal bonds	812	19,439	0	20,250	752	17,066	0	17,818	781	16,455	0	17,236
Financial assets for unit-linked investment contracts	25,011	94	1	25,106	24,699	8	0	24,707	21,440	5	0	21,446
Loans	0	10,016	744	10,760	0	10,132	1,268	11,400	0	6,380	1,752	8,132
Securities financing transactions	0	10,161	152	10,313	0	10,107	146	10,252	0	9,899	39	9,937
Auction rate securities	0	0	1,543	1,543	0	0	1,551	1,551	0	0	1,664	1,664
Investment fund units	176	440	101	717	122	504	112	738	173	428	109	710
Equity instruments	93	5	468	566	89	25	476	590	123	62	517	702
Other	0	23	511	534	0	572	344	916	0	38	331	369
Financial assets measured at fair value through other comprehensive income on a recurring basis												
Financial assets measured at fair value through other comprehensive income	2,414	4,579	0	6,993	2,357	5,065	0	7,422	2,319	4,347	0	6,667
of which:												
Government bills / bonds	2,368	13	0	2,381	2,308	13	0	2,321	2,171	69	0	2,239
Corporate and municipal bonds	45	429	0	474	48	447	0	495	149	348	0	497
Asset-backed securities	0	4,137	0	4,137	0	4,605	0	4,605	0	3,931	0	3,931
Non-financial assets measured at fair value on a recurring basis												
Precious metals and other physical commodities	4,193	0	0	4,193	3,920	0	0	3,920	4,298	0	0	4,298
Non-financial assets measured at fair value on a non-recurring basis												
Other non-financial assets ²	0	67	29	96	0	70	29	98	0	82	0	82
Total assets measured at fair value	153,822	211,254	7,101	372,177	155,518	197,168	7,098	359,783	136,026	197,310	7,800	341,156

Note 11 Fair value measurement (continued)**Determination of fair values from quoted market prices or valuation techniques (continued)¹**

USD million	30.9.19				30.6.19				31.12.18			
	Level 1	Level 2	Level 3	Total	Level 1	Level 2	Level 3	Total	Level 1	Level 2	Level 3	Total
Financial liabilities measured at fair value on a recurring basis												
Financial liabilities at fair value held for trading	28,576	4,866	53	33,494	26,787	5,365	109	32,261	24,406	4,468	69	28,943
of which:												
Government bills / bonds	2,841	595	0	3,436	2,955	577	0	3,531	2,423	416	0	2,839
Corporate and municipal bonds	47	3,809	13	3,870	21	4,003	40	4,063	126	3,377	27	3,530
Investment fund units	465	168	3	635	533	178	1	711	551	137	0	689
Equity instruments	25,224	273	36	25,533	23,278	583	69	23,930	21,306	537	42	21,886
Derivative financial instruments	770	128,652	2,014	131,435	493	118,707	1,888	121,087	580	122,933	2,210	125,723
of which:												
Interest rate contracts	0	43,956	212	44,169	0	39,334	191	39,525	7	32,511	226	32,743
Credit derivative contracts	0	2,712	446	3,158	0	2,742	570	3,312	0	2,203	519	2,722
Foreign exchange contracts	447	55,835	64	56,346	180	48,620	92	48,893	322	52,964	86	53,372
Equity / index contracts	9	23,616	1,291	24,915	5	25,328	1,032	26,365	1	33,669	1,371	35,041
Commodity contracts	1	2,463	0	2,464	3	2,601	1	2,605	0	1,487	0	1,487
Financial liabilities designated at fair value on a recurring basis												
Brokerage payables designated at fair value	0	38,260	0	38,260	0	36,929	0	36,929	0	38,420	0	38,420
Debt issued designated at fair value	9	56,731	9,970	66,709	0	56,581	11,404	67,984	0	46,074	10,957	57,031
Other financial liabilities designated at fair value	0	34,043	739	34,782	0	33,708	700	34,407	0	32,569	1,025	33,594
of which:												
Financial liabilities related to unit-linked investment contracts	0	25,422	0	25,422	0	25,087	0	25,087	0	21,679	0	21,679
Securities financing transactions	0	7,304	0	7,304	0	7,436	0	7,436	0	9,461	0	9,461
Over-the-counter debt instruments	0	1,315	709	2,024	0	1,183	645	1,828	0	1,427	1,023	2,450
Total liabilities measured at fair value	29,354	262,552	12,775	304,680	27,279	251,288	14,100	292,668	24,986	244,465	14,260	283,711

¹ Bifurcated embedded derivatives are presented on the same balance sheet lines as their host contracts and are not included in this table. The fair value of these derivatives was not material for the periods presented. ² Other non-financial assets primarily consist of properties and other non-current assets held for sale, which are measured at the lower of their net carrying amount or fair value less costs to sell.

Note 11 Fair value measurement (continued)

b) Valuation adjustments

Deferred day-1 profit or loss reserves

The table below summarizes the changes in deferred day-1 profit or loss reserves during the relevant period.

Deferred day-1 profit or loss is generally released into *Other net income from financial instruments measured at fair value through profit or loss* when pricing of equivalent products or the underlying parameters become observable or when the transaction is closed out.

Deferred day-1 profit or loss reserves

USD million	For the quarter ended			Year-to-date	
	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Reserve balance at the beginning of the period	158	161	276	255	338
Profit / (loss) deferred on new transactions	32	58	43	122	293
(Profit) / loss recognized in the income statement	(58)	(60)	(68)	(245)	(376)
Foreign currency translation	(1)	0	(1)	(2)	(4)
Reserve balance at the end of the period	131	158	250	131	250

c) Transfers between Level 1 and Level 2

The amounts disclosed in this section reflect transfers between Level 1 and Level 2 for instruments that were held for the entire reporting period.

Assets totaling approximately USD 0.7 billion, which mainly consisted of exchange traded investment fund units presented in the line *Financial assets at fair value held for trading* on the balance sheet, were transferred from Level 2 to Level 1 during

the first nine months of 2019, generally due to increased levels of trading activity observed within the market for these instruments. Liabilities transferred from Level 2 to Level 1 during the first nine months of 2019 were not material. Assets and liabilities transferred from Level 1 to Level 2 during the first nine months of 2019 were also not material.

Note 11 Fair value measurement (continued)**d) Level 3 instruments: valuation techniques and inputs**

The table below presents material Level 3 assets and liabilities together with the valuation techniques used to measure fair value, the significant inputs used in the valuation technique that are considered unobservable and a range of values for those unobservable inputs.

The range of values represents the highest- and lowest-level input used in the valuation techniques. Therefore, the range does not reflect the level of uncertainty regarding a particular input, but rather the different underlying characteristics of the relevant assets and liabilities. The ranges will therefore vary from period to period and parameter to parameter based on characteristics of the instruments held at each balance sheet date. Furthermore, the ranges and weighted averages of unobservable inputs may differ

across other financial institutions due to the diversity of the products in each firm's inventory.

The significant unobservable inputs disclosed in the table below are consistent with those included in "Note 24 Fair value measurement" in the "Consolidated financial statements" section of the Annual Report 2018. A description of the potential effect that a change in each unobservable input in isolation may have on a fair value measurement, including information to facilitate an understanding of factors that give rise to the input ranges shown, is also provided in "Note 24 Fair value measurement" in the "Consolidated financial statements" section of the Annual Report 2018.

Valuation techniques and inputs used in the fair value measurement of Level 3 assets and liabilities

USD billion	Fair value				Valuation technique(s)	Significant unobservable input(s) ¹	Range of inputs						unit ¹
	Assets		Liabilities				30.9.19			31.12.18			
	30.9.19	31.12.18	30.9.19	31.12.18			low	high	weighted average ²	low	high	weighted average ²	
Financial assets and liabilities at fair value held for trading and Financial assets at fair value not held for trading													
Corporate and municipal bonds	0.3	0.7	0.0	0.0	Relative value to market comparable	Bond price equivalent	0	161	98	0	134	89	points
Traded loans, loans designated at fair value, loan commitments and guarantees	2.9	2.7	0.0	0.0	Relative value to market comparable	Loan price equivalent	0	101	99	0	100	99	points
					Discounted expected cash flows	Credit spread	250	530		301	513		basis points
					Market comparable and securitization model	Discount margin	1	14	2	1	14	2	%
Auction rate securities	1.5	1.7			Relative value to market comparable	Bond price equivalent	79	99	89	79	99	89	points
Investment fund units ³	0.2	0.6	0.0	0.0	Relative value to market comparable	Net asset value							
Equity instruments ³	0.5	0.6	0.0	0.0	Relative value to market comparable	Price							
Debt issued designated at fair value ⁴			10.0	11.0									
Other financial liabilities designated at fair value ⁴			0.7	1.0									
Derivative financial instruments													
Interest rate contracts	0.3	0.4	0.2	0.2	Option model	Volatility of interest rates	47	67		50	81		basis points
Credit derivative contracts	0.3	0.5	0.4	0.5	Discounted expected cash flows	Credit spreads	1	563		4	545		basis points
						Bond price equivalent	3	100		3	99		points
Equity / index contracts	0.5	0.5	1.3	1.4	Option model	Equity dividend yields	0	16		0	12		%
						Volatility of equity stocks, equity and other indices	4	91		4	93		%
						Equity-to-FX correlation	(45)	64		(39)	67		%
						Equity-to-equity correlation	(17)	97		(50)	97		%

¹ The ranges of significant unobservable inputs are represented in points, percentages and basis points. Points are a percentage of par (e.g., 100 points would be 100% of par). ² Weighted averages are provided for non-derivative financial instruments and were calculated by weighting inputs based on the fair values of the respective instruments. Weighted averages are not provided for inputs related to derivative contracts as this would not be meaningful. ³ The range of inputs is not disclosed as there is a dispersion of values given the diverse nature of the investments. ⁴ Valuation techniques, significant unobservable inputs and the respective input ranges for Debt issued designated at fair value and Other financial liabilities designated at fair value, which mainly include over-the-counter debt instruments, are the same as the equivalent derivative or structured financing instruments presented elsewhere in this table.

Note 11 Fair value measurement (continued)

e) Level 3 instruments: sensitivity to changes in unobservable input assumptions

The table below summarizes those financial assets and liabilities classified as Level 3 for which a change in one or more of the unobservable inputs to reflect reasonably possible alternative assumptions would change fair value significantly, and the estimated effect thereof.

The table shown presents the favorable and unfavorable effects for each class of financial assets and liabilities for which the potential change in fair value is considered significant. The sensitivity of fair value measurements for debt issued designated at fair value and over-the-counter debt instruments designated at fair value is reported with the equivalent derivative or structured financing instrument within the table below.

The sensitivity data shown below presents an estimation of valuation uncertainty based on reasonably possible alternative values for Level 3 inputs at the balance sheet date and does not represent the estimated effect of stress scenarios. Typically, these financial assets and liabilities are sensitive to a combination of inputs from Levels 1–3. Although well-defined interdependencies may exist between Levels 1–2 and Level 3 parameters (e.g., between interest rates, which are generally Level 1 or Level 2, and prepayments, which are generally Level 3), these have not been incorporated in the table. Furthermore, direct interrelationships between the Level 3 parameters are not a significant element of the valuation uncertainty.

Sensitivity of fair value measurements to changes in unobservable input assumptions

	30.9.19		30.6.19		31.12.18	
<i>USD million</i>	Favorable changes	Unfavorable changes	Favorable changes	Unfavorable changes	Favorable changes	Unfavorable changes
Traded loans, loans designated at fair value, loan commitments and guarantees	93	(21)	88	(18)	99	(44)
Securities financing transactions	27	(15)	33	(20)	17	(11)
Auction rate securities	77	(77)	78	(78)	81	(81)
Asset-backed securities	38	(41)	39	(43)	27	(23)
Equity instruments	144	(84)	148	(87)	155	(94)
Interest rate derivative contracts, net	15	(29)	10	(25)	8	(39)
Credit derivative contracts, net	32	(36)	32	(36)	33	(37)
Foreign exchange derivative contracts, net	10	(7)	12	(8)	10	(5)
Equity / index derivative contracts, net	154	(168)	168	(180)	213	(225)
Other	25	(28)	22	(26)	19	(19)
Total	616	(505)	629	(519)	661	(578)

f) Level 3 instruments: movements during the period

Significant changes in Level 3 instruments

The table on the following pages presents additional information about Level 3 assets and liabilities measured at fair value on a recurring basis. Level 3 assets and liabilities may be hedged with instruments classified as Level 1 or Level 2 in the fair value hierarchy and, as a result, realized and unrealized gains and losses included in the table may not include the effect of related hedging activity. Furthermore, the realized and unrealized gains and losses presented within the table are not limited solely to those arising from Level 3 inputs, as valuations are generally derived from both observable and unobservable parameters.

Upon adoption of IFRS 9 on 1 January 2018, certain financial assets and liabilities were newly classified as measured at fair value through profit or loss and designated as Level 3 in the fair value hierarchy. Certain assets were also reclassified from *Financial assets measured at fair value through other comprehensive income* to *Financial assets at fair value not held for trading*. Refer to "Note 24 Fair value measurement" in the "Consolidated financial statements" section of the Annual Report 2018 for more information.

Note 11 Fair value measurement (continued)

Movements of Level 3 instruments

USD billion	Balance as of 31 December 2017	Reclassifications and remeasurements upon adoption of IFRS 9	Balance as of 1 January 2018	Total gains / losses included in comprehensive income		Purchases	Sales	Issuances	Settlements	Transfers into Level 3	Transfers out of Level 3	Foreign currency translation	Balance as of 30 September 2018
				Net gains / losses included in income ¹	of which: related to Level 3 instruments held at the end of the reporting period								
Financial assets at fair value held for trading	2.0	0.4	2.4	(0.4)	(0.4)	1.6	(5.7)	3.9	0.0	0.8	(0.2)	0.0	2.5
of which:													
Corporate and municipal bonds	0.6		0.6	(0.2)	(0.2)	0.5	(0.8)	0.0	0.0	0.6	0.0	0.0	0.6
Loans	0.5	0.4	0.9	0.0	0.0	0.6	(4.3)	3.9	0.0	0.1	0.0	0.0	1.2
Investment fund units	0.6		0.6	(0.2)	(0.1)	0.2	(0.2)	0.0	0.0	0.1	(0.1)	0.0	0.4
Other	0.4		0.4	0.0	(0.1)	0.3	(0.4)	0.0	0.0	0.0	0.0	0.0	0.3
Financial assets at fair value not held for trading	1.5	3.0	4.4	0.1	0.1	1.5	(1.4)	0.0	0.0	0.1	(0.1)	0.1	4.8
of which:													
Loans	0.8	0.6	1.4	(0.2)	(0.1)	1.3	(0.6)	0.0	0.0	0.1	0.0	0.0	1.9
Auction rate securities		1.9	1.9	0.1	0.1	0.0	(0.3)	0.0	0.0	0.0	0.0	0.1	1.8
Equity instruments		0.4	0.4	0.1	0.1	0.2	(0.2)	0.0	0.0	0.0	0.0	0.0	0.6
Other	0.7	0.1	0.8	0.0	0.0	0.1	(0.3)	0.0	0.0	0.0	(0.1)	0.0	0.5
Financial assets measured at fair value through other comprehensive income	0.5	(0.5)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Derivative financial instruments – assets	1.6		1.6	(0.3)	(0.3)	0.0	0.0	0.9	(0.9)	0.6	(0.3)	0.0	1.6
of which:													
Interest rate contracts	0.1		0.1	(0.1)	(0.1)	0.0	0.0	0.2	(0.1)	0.5	(0.1)	0.0	0.5
Credit derivative contracts	0.6		0.6	0.0	0.0	0.0	0.0	0.0	(0.1)	0.0	0.0	0.0	0.5
Equity / index contracts	0.7		0.7	(0.1)	(0.1)	0.0	0.0	0.7	(0.7)	0.1	(0.1)	0.0	0.6
Other	0.2		0.2	(0.1)	(0.1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Derivative financial instruments – liabilities	2.9	0.0	2.9	(0.5)	(0.4)	0.0	0.0	1.2	(1.1)	0.3	(0.4)	0.0	2.5
of which:													
Credit derivative contracts	0.6		0.6	0.0	0.0	0.0	0.0	0.0	(0.1)	0.0	0.0	0.0	0.6
Equity / index contracts	2.0		2.0	(0.3)	(0.2)	0.0	0.0	0.9	(0.9)	0.2	(0.4)	0.0	1.4
Other	0.3	0.0	0.3	(0.2)	(0.2)	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.4
Debt issued designated at fair value	11.2		11.2	0.7	0.3	0.0	0.0	5.1	(3.7)	1.4	(4.3)	(0.1)	10.3
Other financial liabilities designated at fair value	2.0		2.0	0.0	0.0	0.0	0.0	0.9	(2.1)	0.0	0.0	0.0	0.7

¹ Net gains / losses included in comprehensive income are comprised of Net interest income, Other net income from financial instruments measured at fair value through profit or loss and Other income. ² Total Level 3 assets as of 30 September 2019 were USD 7.1 billion (31 December 2018: USD 7.8 billion). Total Level 3 liabilities as of 30 September 2019 were USD 12.8 billion (31 December 2018: USD 14.3 billion).

Note 11 Fair value measurement (continued)

Balance as of 31 December 2018 ²	Total gains / losses included in comprehensive income			Purchases	Sales	Issuances	Settlements	Transfers into Level 3	Transfers out of Level 3	Foreign currency translation	Balance as of 30 September 2019 ²
	Net gains / losses included in income ¹	<i>of which: related to Level 3 instruments held at the end of the reporting period</i>									
2.0	(0.3)	0.0		0.8	(3.7)	3.7	0.0	0.3	(0.4)	0.0	2.4
0.7	0.0	0.0		0.3	(0.5)	0.0	0.0	0.0	(0.2)	0.0	0.3
0.7	(0.2)	0.0		0.1	(2.6)	3.7	0.0	0.1	0.0	0.0	1.7
0.4	0.0	0.0		0.1	(0.4)	0.0	0.0	0.2	(0.2)	0.0	0.1
0.2	0.0	0.0		0.3	(0.2)	0.0	0.0	0.1	0.0	0.0	0.3
4.4	0.1	0.1		0.7	(0.7)	0.0	0.0	0.2	(1.2)	0.0	3.5
1.8	0.0	0.0		0.3	(0.3)	0.0	0.0	0.2	(1.2)	0.0	0.7
1.7	0.0	0.0		0.0	(0.1)	0.0	0.0	0.0	0.0	0.0	1.5
0.5	0.1	0.1		0.1	(0.2)	0.0	0.0	0.0	0.0	0.0	0.5
0.5	0.0	0.0		0.3	(0.1)	0.0	0.0	0.0	0.0	0.0	0.8
1.4	(0.2)	(0.1)		0.0	0.0	0.7	(0.7)	0.2	(0.3)	0.0	1.1
0.4	0.0	0.0		0.0	0.0	0.1	0.0	0.0	(0.2)	0.0	0.3
0.5	0.0	0.0		0.0	0.0	0.2	(0.3)	0.1	(0.1)	0.0	0.3
0.5	(0.2)	0.0		0.0	0.0	0.5	(0.4)	0.2	(0.1)	0.0	0.5
0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	0.1	0.0		0.0	0.0	0.8	(0.9)	0.2	(0.3)	0.0	2.0
0.5	0.0	0.0		0.0	0.0	0.1	(0.2)	0.1	(0.1)	0.0	0.4
1.4	0.1	0.0		0.0	0.0	0.7	(0.8)	0.1	(0.2)	0.0	1.3
0.3	0.0	0.0		0.0	0.0	0.0	0.0	0.0	(0.1)	0.0	0.3
11.0	0.5	0.3		0.0	0.0	6.0	(5.2)	0.6	(2.8)	(0.1)	10.0
1.0	0.2	0.1		0.0	0.0	0.2	(0.7)	0.1	0.0	0.0	0.7

Note 11 Fair value measurement (continued)

Assets and liabilities transferred into or out of Level 3 are presented as if those assets or liabilities had been transferred at the beginning of the year.

Assets transferred into and out of Level 3 in the first nine months of 2019 totaled USD 0.8 billion and USD 1.9 billion, respectively. Transfers into Level 3 mainly consisted of loans, investment fund units and equity / index contracts, reflecting decreased observability of the relevant valuation inputs.

Transfers out of Level 3 mainly consisted of loans, reflecting increased observability of the relevant valuation inputs.

Liabilities transferred into and out of Level 3 in the first nine months of 2019 totaled USD 0.8 billion and USD 3.1 billion, respectively. Transfers into and out of Level 3 mainly consisted of debt issued designated at fair value, primarily equity-linked issued debt instruments, due to decreased or increased observability, respectively, of the embedded derivative inputs.

g) Financial instruments not measured at fair value

The table below reflects the estimated fair values of financial instruments not measured at fair value.

Financial instruments not measured at fair value

USD billion	30.9.19		30.6.19		31.12.18	
	Carrying value	Fair value	Carrying value	Fair value	Carrying value	Fair value
Assets						
Cash and balances at central banks	91.3	91.3	101.5	101.5	108.4	108.4
Loans and advances to banks	13.2	13.1	12.9	12.9	16.9	16.9
Receivables from securities financing transactions	92.0	92.0	92.9	92.9	95.3	95.4
Cash collateral receivables on derivative instruments	25.7	25.7	23.8	23.8	23.6	23.6
Loans and advances to customers	320.2	323.4	322.7	325.9	320.4	320.9
Other financial assets measured at amortized cost	23.6	23.9	22.2	22.4	22.6	22.4
Liabilities						
Amounts due to banks	8.2	8.2	9.5	9.5	11.0	11.0
Payables from securities financing transactions	5.6	5.6	6.8	6.8	10.3	10.3
Cash collateral payables on derivative instruments	32.3	32.3	31.4	31.4	28.9	28.9
Customer deposits	426.8	426.9	433.0	433.2	419.8	419.9
Debt issued measured at amortized cost	117.1	119.6	120.8	123.3	132.3	135.0
Other financial liabilities measured at amortized cost	10.5	10.5	10.5	10.5	6.9	6.9

The fair values included in the table above have been calculated for disclosure purposes only. The fair value valuation techniques and assumptions relate only to the fair value of UBS's financial instruments not measured at fair value. Other institutions may

use different methods and assumptions for their fair value estimation, and therefore such fair value disclosures cannot necessarily be compared from one financial institution to another.

Note 12 Derivative instruments

a) Derivative instruments

<i>As of 30.9.19, USD billion</i>	Derivative financial assets	Notional values related to derivative financial assets ³	Derivative financial liabilities	Notional values related to derivative financial liabilities ³	Other notional values ⁴
Derivative financial instruments^{1,2}					
Interest rate contracts	50.8	1,120	44.2	1,079	11,972
Credit derivative contracts	2.1	73	3.2	74	0
Foreign exchange contracts	56.4	3,402	56.3	3,254	0
Equity / index contracts	21.9	486	24.9	587	123
Commodity contracts	2.7	69	2.5	62	10
Unsettled purchases of non-derivative financial instruments ⁵	0.1	24	0.1	14	
Unsettled sales of non-derivative financial instruments ⁵	0.1	22	0.3	19	
Total derivative financial instruments, based on IFRS netting⁶	134.2	5,197	131.4	5,090	12,105
Further netting potential not recognized on the balance sheet ⁷	(123.0)		(118.7)		
<i>of which: netting of recognized financial liabilities / assets</i>	<i>(100.7)</i>		<i>(100.7)</i>		
<i>of which: netting with collateral received / pledged</i>	<i>(22.4)</i>		<i>(18.0)</i>		
Total derivative financial instruments, after consideration of further netting potential	11.2		12.8		

<i>As of 30.6.19, USD billion</i>					
Derivative financial instruments^{1,2}					
Interest rate contracts	44.4	1,167	39.5	1,133	11,968
Credit derivative contracts	2.2	73	3.3	75	0
Foreign exchange contracts	48.1	3,190	48.9	3,091	1
Equity / index contracts	23.6	467	26.4	553	111
Commodity contracts	2.9	70	2.6	53	2
Unsettled purchases of non-derivative financial instruments ⁵	0.2	31	0.2	12	
Unsettled sales of non-derivative financial instruments ⁵	0.2	21	0.2	24	
Total derivative financial instruments, based on IFRS netting⁶	121.7	5,019	121.1	4,942	12,082
Further netting potential not recognized on the balance sheet ⁷	(110.2)		(105.9)		
<i>of which: netting of recognized financial liabilities / assets</i>	<i>(88.9)</i>		<i>(88.9)</i>		
<i>of which: netting with collateral received / pledged</i>	<i>(21.3)</i>		<i>(17.0)</i>		
Total derivative financial instruments, after consideration of further netting potential	11.5		15.2		

<i>As of 31.12.18, USD billion</i>					
Derivative financial instruments^{1,2}					
Interest rate contracts	37.1	1,051	32.7	1,021	10,779
Credit derivative contracts	1.9	74	2.7	78	0
Foreign exchange contracts	53.5	2,626	53.4	2,517	0
Equity / index contracts	31.4	409	35.0	489	106
Commodity contracts	1.8	46	1.5	39	9
Unsettled purchases of non-derivative financial instruments ⁵	0.2	17	0.1	6	
Unsettled sales of non-derivative financial instruments ⁵	0.4	15	0.2	13	
Total derivative financial instruments, based on IFRS netting⁶	126.2	4,239	125.7	4,163	10,894
Further netting potential not recognized on the balance sheet ⁷	(114.8)		(111.7)		
<i>of which: netting of recognized financial liabilities / assets</i>	<i>(90.8)</i>		<i>(90.8)</i>		
<i>of which: netting with collateral received / pledged</i>	<i>(24.0)</i>		<i>(20.9)</i>		
Total derivative financial instruments, after consideration of further netting potential	11.4		14.0		

¹ Derivative financial liabilities as of 30 September 2019 include USD 12 million related to derivative loan commitments (30 June 2019: USD 14 million; 31 December 2018: USD 17 million). No notional amounts related to these commitments are included in this table, but they are disclosed in Note 17 under Loan commitments. ² Includes certain forward starting repurchase and reverse repurchase agreements that are classified as measured at fair value through profit or loss and are recognized within derivative instruments. The fair value of these derivative instruments was not material as of 30 September 2019, 30 June 2019 or 31 December 2018. No notional amounts related to these instruments are included in this table, but they are disclosed in Note 17 under Forward starting transactions. ³ In cases where derivative financial instruments are presented on a net basis on the balance sheet, the respective notional values of the netted derivative financial instruments are still presented on a gross basis. ⁴ Other notional values relate to derivatives that are cleared through either a central counterparty or an exchange. The fair value of these derivatives is presented on the balance sheet net of the corresponding cash margin under Cash collateral receivables on derivative instruments and Cash collateral payables on derivative instruments and was not material for all periods presented. ⁵ Changes in the fair value of purchased and sold non-derivative financial instruments between trade date and settlement date are recognized as derivative financial instruments. ⁶ Financial assets and liabilities are presented net on the balance sheet if UBS has the unconditional and legally enforceable right to offset the recognized amounts, both in the normal course of business and in the event of default, bankruptcy or insolvency of the entity and all of the counterparties, and intends either to settle on a net basis or to realize the asset and settle the liability simultaneously. ⁷ Reflects the netting potential in accordance with enforceable master netting and similar arrangements where not all criteria for a net presentation on the balance sheet have been met. Refer to "Note 25 Offsetting financial assets and financial liabilities" in the "Consolidated financial statements" section of the Annual Report 2018 for more information.

Note 12 Derivative instruments (continued)**b) Cash collateral on derivative instruments**

<i>USD billion</i>	Receivables 30.9.19	Payables 30.9.19	Receivables 30.6.19	Payables 30.6.19	Receivables 31.12.18	Payables 31.12.18
Cash collateral on derivative instruments, based on IFRS netting ¹	25.7	32.3	23.8	31.4	23.6	28.9
Further netting potential not recognized on the balance sheet ²	(15.5)	(18.9)	(14.2)	(17.9)	(14.5)	(15.4)
<i>of which: netting of recognized financial liabilities / assets</i>	(14.6)	(17.3)	(13.4)	(16.2)	(13.5)	(14.2)
<i>of which: netting with collateral received / pledged</i>	(0.9)	(1.5)	(0.7)	(1.7)	(1.0)	(1.2)
Cash collateral on derivative instruments, after consideration of further netting potential	10.2	13.4	9.6	13.5	9.1	13.5

¹ Financial assets and liabilities are presented net on the balance sheet if UBS has the unconditional and legally enforceable right to offset the recognized amounts, both in the normal course of business and in the event of default, bankruptcy or insolvency of UBS or its counterparties, and intends either to settle on a net basis or to realize the asset and settle the liability simultaneously. ² Reflects the netting potential in accordance with enforceable master netting and similar arrangements where not all criteria for a net presentation on the balance sheet have been met. Refer to "Note 25 Offsetting financial assets and financial liabilities" in the "Consolidated financial statements" section of the Annual Report 2018 for more information.

Note 13 Other assets and liabilities**a) Other financial assets measured at amortized cost**

<i>USD million</i>	30.9.19	30.6.19	31.12.18
Debt securities	14,291	12,906	13,562
<i>of which: government bills / bonds</i>	9,048	8,163	8,778
Loans to financial advisors ¹	3,004	3,075	3,291
Fee- and commission-related receivables	1,742	1,838	1,643
Finance lease receivables ²	1,389	1,259	1,091
Settlement and clearing accounts	565	583	1,050
Accrued interest income	784	816	694
Other	1,777	1,682	1,233
Total other financial assets measured at amortized cost	23,552	22,158	22,563

¹ Related to financial advisors in the US and Canada. ² Upon adoption of IFRS 16 on 1 January 2019, Finance lease receivables increased by USD 176 million. Refer to Note 1 for more information.

b) Other non-financial assets

<i>USD million</i>	30.9.19	30.6.19	31.12.18
Precious metals and other physical commodities	4,193	3,920	4,298
Bail deposit ¹	1,255	1,306	1,312
Prepaid expenses	955	1,016	990
Net defined benefit pension and post-employment assets ²	2,631	3	0
VAT and other tax receivables	347	336	334
Properties and other non-current assets held for sale	96	98	82
Other	446	466	395
Total other non-financial assets	9,923	7,146	7,410

¹ Refer to item 1 in Note 16b for more information. ² Net defined benefit pension assets of USD 2,631 million as of 30 September 2019 reflected the surplus of the Swiss pension plan. Following a 36-basis-point decrease in the applicable discount rate during the third quarter of 2019, the estimated future economic benefit of the Swiss pension plan turned positive and exceeded the plan's surplus. As a result, the full surplus of the plan was recognized as of 30 September 2019.

Note 13 Other assets and liabilities (continued)

c) Other financial liabilities measured at amortized cost

<i>USD million</i>	30.9.19	30.6.19	31.12.18
Other accrued expenses	1,718	1,769	2,192
Accrued interest expenses	1,287	1,403	1,544
Settlement and clearing accounts	2,220	1,801	1,486
Lease liabilities ¹	3,722	3,874	
Other	1,560	1,674	1,663
Total other financial liabilities measured at amortized cost	10,507	10,520	6,885

¹ Relates to lease liabilities of USD 4,057 million recognized upon adoption of IFRS 16 on 1 January 2019. Refer to Note 1 for more information.

d) Other financial liabilities designated at fair value

<i>USD million</i>	30.9.19	30.6.19	31.12.18
Financial liabilities related to unit-linked investment contracts	25,422	25,087	21,679
Securities financing transactions	7,304	7,436	9,461
Over-the-counter debt instruments	2,024	1,828	2,450
<i>of which: life-to-date own credit (gain) / loss</i>	(42)	(26)	(51)
Other	32	56	5
Total other financial liabilities designated at fair value	34,782	34,407	33,594

e) Other non-financial liabilities

<i>USD million</i>	30.9.19	30.6.19	31.12.18
Compensation-related liabilities	6,334	5,760	7,278
<i>of which: Deferred Contingent Capital Plan</i>	1,770	1,671	1,983
<i>of which: financial advisor compensation plans</i>	1,391	1,297	1,458
<i>of which: other compensation plans</i>	1,858	1,394	2,480
<i>of which: net defined benefit pension and post-employment liabilities</i>	806	874	775
<i>of which: other compensation-related liabilities¹</i>	509	525	581
Current and deferred tax liabilities	1,597	1,127	1,002
VAT and other tax payables	464	472	431
Deferred income	166	168	215
Other	89	89	98
Total other non-financial liabilities	8,650	7,617	9,022

¹ Includes liabilities for payroll taxes and untaken vacation.

Note 14 Debt issued designated at fair value

<i>USD million</i>	30.9.19	30.6.19	31.12.18
Issued debt instruments			
Equity-linked ¹	40,820	42,812	34,392
Rates-linked	15,818	14,449	12,073
Credit-linked	3,036	3,310	3,282
Fixed-rate	4,930	5,007	5,099
Other	2,106	2,405	2,185
Total debt issued designated at fair value	66,709	67,984	57,031
<i>of which: life-to-date own credit (gain) / loss</i>	(20)	(34)	(270)

¹ Includes investment fund unit-linked instruments issued.

Note 15 Debt issued measured at amortized cost

<i>USD million</i>	30.9.19	30.6.19	31.12.18
Certificates of deposit	5,278	4,523	7,980
Commercial paper	17,826	17,266	27,514
Other short-term debt	2,616	2,902	3,531
Short-term debt¹	25,719	24,692	39,025
Senior unsecured debt that contributes to total loss-absorbing capacity (TLAC)	30,069	29,721	29,988
Senior unsecured debt other than TLAC	27,471	33,081	33,018
Covered bonds	3,682	3,853	3,947
Subordinated debt	21,629	20,680	17,665
<i>of which: high-trigger loss-absorbing additional tier 1 capital instruments</i>	11,658	10,595	7,785
<i>of which: low-trigger loss-absorbing additional tier 1 capital instruments</i>	2,404	2,436	2,369
<i>of which: low-trigger loss-absorbing tier 2 capital instruments</i>	6,873	6,947	6,808
<i>of which: non-Basel III-compliant tier 2 capital instruments</i>	534	702	703
Debt issued through the Swiss central mortgage institutions	8,463	8,724	8,569
Other long-term debt	51	54	58
Long-term debt²	91,365	96,113	93,246
Total debt issued measured at amortized cost³	117,084	120,805	132,271

¹ Debt with an original maturity of less than one year. ² Debt with an original maturity greater than or equal to one year. The classification of debt issued into short-term and long-term does not consider any early redemption features. ³ Net of bifurcated embedded derivatives, the fair value of which was not material for the periods presented.

Note 16 Provisions and contingent liabilities

a) Provisions

The table below presents an overview of total provisions recognized under both IAS 37 and IFRS 9.

USD million	30.9.19	30.6.19	31.12.18
Provisions recognized under IAS 37	2,862	2,888	3,377
Provisions for off-balance sheet financial instruments	66	80	79
Provisions for other credit lines	38	42	37
Total provisions	2,965	3,011	3,494

The following table presents additional information for provisions recognized under IAS 37.

USD million	Operational risks ²	Litigation, regulatory and similar matters ³	Restructuring	Real estate	Employee benefits ⁶	Other	Total
Balance as of 31 December 2018	46	2,827	224	131	70	78	3,377
Adjustment from adoption of IFRS 16 ¹	0	0	(103)	(29)	0	0	(132)
Balance as of 1 January 2019	46	2,827	121	102	70	78	3,245
Balance as of 30 June 2019	45	2,509	91	99	70	75	2,888
Increase in provisions recognized in the income statement	2	72	21	0	1	10	106
Release of provisions recognized in the income statement	0	(4)	(9)	0	(1)	0	(14)
Provisions used in conformity with designated purpose	(5)	(44)	(25)	(1)	0	(7)	(80)
Capitalized reinstatement costs	0	0	0	(1)	0	0	(1)
Foreign currency translation / unwind of discount	(1)	(29)	(1)	(2)	(2)	(2)	(37)
Balance as of 30 September 2019	41	2,503	77⁴	95⁵	68	77	2,862

¹ Refer to Note 1 for more information. ² Comprises provisions for losses resulting from security risks and transaction processing risks. ³ Comprises provisions for losses resulting from legal, liability and compliance risks. ⁴ Primarily consists of personnel-related restructuring provisions of USD 16 million as of 30 September 2019 (30 June 2019: USD 23 million; 31 December 2018: USD 50 million) and provisions for onerous contracts of USD 57 million as of 30 September 2019 (30 June 2019: USD 63 million; 31 December 2018: USD 170 million). ⁵ Consists of reinstatement costs for leasehold improvements of USD 86 million as of 30 September 2019 (30 June 2019: USD 89 million; 31 December 2018: USD 89 million) and provisions for onerous contracts of USD 9 million as of 30 September 2019 (30 June 2019: USD 10 million; 31 December 2018: USD 42 million). ⁶ Includes provisions for sabbatical and anniversary awards.

Restructuring provisions primarily relate to onerous contracts and severance payments. Onerous contracts for property are recognized when UBS is committed to pay for non-lease components, such as utilities, when a property is vacated or not fully recovered from subtenants. Severance-related provisions are used within a short time period, usually within six months, but potential changes in amount may be triggered when natural

staff attrition reduces the number of people affected by a restructuring event and therefore the estimated costs.

Information about provisions and contingent liabilities in respect of litigation, regulatory and similar matters, as a class, is included in Note 16b. There are no material contingent liabilities associated with the other classes of provisions.

Note 16 Provisions and contingent liabilities (continued)

b) Litigation, regulatory and similar matters

The Group operates in a legal and regulatory environment that exposes it to significant litigation and similar risks arising from disputes and regulatory proceedings. As a result, UBS (which for purposes of this Note may refer to UBS Group AG and / or one or more of its subsidiaries, as applicable) is involved in various disputes and legal proceedings, including litigation, arbitration, and regulatory and criminal investigations.

Such matters are subject to many uncertainties, and the outcome and the timing of resolution are often difficult to predict, particularly in the earlier stages of a case. There are also situations where the Group may enter into a settlement agreement. This may occur in order to avoid the expense, management distraction or reputational implications of continuing to contest liability, even for those matters for which the Group believes it should be exonerated. The uncertainties inherent in all such matters affect the amount and timing of any potential outflows for both matters with respect to which provisions have been established and other contingent liabilities. The Group makes provisions for such matters brought against it when, in the opinion of management after seeking legal advice, it is more likely than not that the Group has a present legal or constructive obligation as a result of past events, it is probable that an outflow of resources will be required, and the amount can be reliably estimated. Where these factors are otherwise satisfied, a provision may be established for claims that have not

yet been asserted against the Group, but are nevertheless expected to be, based on the Group's experience with similar asserted claims. If any of those conditions is not met, such matters result in contingent liabilities. If the amount of an obligation cannot be reliably estimated, a liability exists that is not recognized even if an outflow of resources is probable. Accordingly, no provision is established even if the potential outflow of resources with respect to such matters could be significant. Developments relating to a matter that occur after the relevant reporting period, but prior to the issuance of financial statements, which affect management's assessment of the provision for such matter (because, for example, the developments provide evidence of conditions that existed at the end of the reporting period), are adjusting events after the reporting period under IAS 10 and must be recognized in the financial statements for the reporting period.

Specific litigation, regulatory and other matters are described below, including all such matters that management considers to be material and others that management believes to be of significance due to potential financial, reputational and other effects. The amount of damages claimed, the size of a transaction or other information is provided where available and appropriate in order to assist users in considering the magnitude of potential exposures.

Note 16 Provisions and contingent liabilities (continued)

In the case of certain matters below, we state that we have established a provision, and for the other matters, we make no such statement. When we make this statement and we expect disclosure of the amount of a provision to prejudice seriously our position with other parties in the matter because it would reveal what UBS believes to be the probable and reliably estimable outflow, we do not disclose that amount. In some cases we are subject to confidentiality obligations that preclude such disclosure. With respect to the matters for which we do not state whether we have established a provision, either (a) we have not established a provision, in which case the matter is treated as a contingent liability under the applicable accounting standard; or (b) we have established a provision but expect disclosure of that fact to prejudice seriously our position with other parties in the matter because it would reveal the fact that UBS believes an outflow of resources to be probable and reliably estimable.

With respect to certain litigation, regulatory and similar matters for which we have established provisions, we are able to estimate the expected timing of outflows. However, the aggregate amount of the expected outflows for those matters for which we are able to estimate expected timing is immaterial relative to our current and expected levels of liquidity over the relevant time periods.

The aggregate amount provisioned for litigation, regulatory and similar matters as a class is disclosed in the "Provisions" table in Note 16a above. It is not practicable to provide an aggregate estimate of liability for our litigation, regulatory and similar matters as a class of contingent liabilities. Doing so would require us to provide speculative legal assessments as to claims and proceedings that involve unique fact patterns or novel legal theories, that have not yet been initiated or are at early stages of adjudication, or as to which alleged damages have not been quantified by the claimants. Although we therefore cannot

provide a numerical estimate of the future losses that could arise from litigation, regulatory and similar matters, we believe that the aggregate amount of possible future losses from this class that are more than remote substantially exceeds the level of current provisions.

Litigation, regulatory and similar matters may also result in non-monetary penalties and consequences. For example, the non-prosecution agreement described in item 5 of this Note, which we entered into with the US Department of Justice (DOJ), Criminal Division, Fraud Section in connection with our submissions of benchmark interest rates, including, among others, the British Bankers' Association London Interbank Offered Rate (LIBOR), was terminated by the DOJ based on its determination that we had committed a US crime in relation to foreign exchange matters. As a consequence, UBS AG pleaded guilty to one count of wire fraud for conduct in the LIBOR matter, paid a fine and is subject to probation through January 2020.

A guilty plea to, or conviction of, a crime could have material consequences for UBS. Resolution of regulatory proceedings may require us to obtain waivers of regulatory disqualifications to maintain certain operations, may entitle regulatory authorities to limit, suspend or terminate licenses and regulatory authorizations, and may permit financial market utilities to limit, suspend or terminate our participation in such utilities. Failure to obtain such waivers, or any limitation, suspension or termination of licenses, authorizations or participations, could have material consequences for UBS.

The risk of loss associated with litigation, regulatory and similar matters is a component of operational risk for purposes of determining our capital requirements. Information concerning our capital requirements and the calculation of operational risk for this purpose is included in the "Capital management" section of this report.

Provisions for litigation, regulatory and similar matters by business division and in Corporate Center¹

<i>USD million</i>	Global Wealth Management	Personal & Corporate Banking	Asset Management	Investment Bank	Corporate Center	UBS
Balance as of 31 December 2018	1,003	117	0	269	1,438	2,827
Balance as of 30 June 2019	858	114	0	202	1,334	2,509
Increase in provisions recognized in the income statement	71	0	0	0	0	72
Release of provisions recognized in the income statement	(1)	0	0	0	(4)	(4)
Provisions used in conformity with designated purpose	(42)	(1)	0	0	(1)	(44)
Foreign currency translation / unwind of discount	(20)	(4)	0	(5)	(1)	(29)
Balance as of 30 September 2019	867	110	0	197	1,329	2,503

¹ Provisions, if any, for the matters described in this disclosure are recorded in Global Wealth Management (item 3, item 4 and item 7) and Corporate Center (item 2). Provisions, if any, for the matters described in items 1 and 6 of this disclosure are allocated between Global Wealth Management and Personal & Corporate Banking, and provisions, if any, for the matters described in this disclosure in item 5 are allocated between the Investment Bank and Corporate Center.

Note 16 Provisions and contingent liabilities (continued)**1. Inquiries regarding cross-border wealth management businesses**

Tax and regulatory authorities in a number of countries have made inquiries, served requests for information or examined employees located in their respective jurisdictions relating to the cross-border wealth management services provided by UBS and other financial institutions. It is possible that the implementation of automatic tax information exchange and other measures relating to cross-border provision of financial services could give rise to further inquiries in the future. UBS has received disclosure orders from the Swiss Federal Tax Administration (FTA) to transfer information based on requests for international administrative assistance in tax matters. The requests concern a number of UBS account numbers pertaining to current and former clients and are based on data from 2006 and 2008. UBS has taken steps to inform affected clients about the administrative assistance proceedings and their procedural rights, including the right to appeal. The requests are based on data received from the German authorities, who seized certain data related to UBS clients booked in Switzerland during their investigations and have apparently shared this data with other European countries. UBS expects additional countries to file similar requests.

The Swiss Federal Administrative Court ruled in 2016 that, in the administrative assistance proceedings related to a French bulk request, UBS has the right to appeal all final FTA client data disclosure orders. On 30 July 2018, the Swiss Federal Administrative Court granted UBS's appeal by holding the French administrative assistance request inadmissible. The FTA filed a final appeal with the Swiss Federal Supreme Court. The Supreme Court on 26 July 2019, reversed the decision of the Federal Administrative Court. The judges also stated that the FTA must ensure that the French authorities respect the principle of "speciality", which requires the information furnished may only be used for the purposes specified in the request.

Since 2013, UBS (France) S.A., UBS AG and certain former employees have been under investigation in France for alleged complicity in unlawful solicitation of clients on French territory, regarding the laundering of proceeds of tax fraud, and banking and financial solicitation by unauthorized persons. In connection with this investigation, the investigating judges ordered UBS AG to provide bail ("caution") of EUR 1.1 billion and UBS (France) S.A. to post bail of EUR 40 million, which was reduced on appeal to EUR 10 million.

A trial in the court of first instance took place from 8 October 2018 until 15 November 2018. On 20 February 2019, the court announced a verdict finding UBS AG guilty of unlawful solicitation of clients on French territory and aggravated laundering of the proceeds of tax fraud, and UBS France S.A. guilty of aiding and abetting unlawful solicitation and laundering the proceeds of tax fraud. The court imposed fines aggregating EUR 3.7 billion on UBS AG and UBS France S.A. and awarded EUR 800 million of civil damages to the French state. UBS has appealed the decision. Under French law, the judgment is

suspended while the appeal is pending. The Court of Appeal will retry the case de novo as to both the law and the facts, and the fines and penalties can be greater than or less than those imposed by the court of first instance. A subsequent appeal to the Cour de Cassation, France's highest court, is possible with respect to questions of law.

UBS believes that based on both the law and the facts the judgment of the court of first instance should be reversed. UBS believes it followed its obligations under Swiss and French law as well as the European Savings Tax Directive. Even assuming liability, which it contests, UBS believes the penalties and damage amounts awarded greatly exceed the amounts that could be supported by the law and the facts. In particular, UBS believes the court incorrectly based the penalty on the total regularized assets rather than on any unpaid taxes on those assets for which a fraud has been characterized and further incorrectly awarded damages based on costs that were not proven by the civil party. Notwithstanding that UBS believes it should be acquitted, our balance sheet at 30 September 2019 reflected provisions with respect to this matter in an amount of USD 516 million. The wide range of possible outcomes in this case contributes to a high degree of estimation uncertainty. The provision reflected on our balance sheet at 30 September 2019 reflects our best estimate of possible financial implications, although it is reasonably possible that actual penalties and civil damages could exceed the provision amount.

In 2016, UBS was notified by the Belgian investigating judge that it is under formal investigation ("inculpé") regarding the laundering of proceeds of tax fraud, of banking and financial solicitation by unauthorized persons, and of serious tax fraud. In 2018, tax authorities and a prosecutor's office in Italy asserted that UBS is potentially liable for taxes and penalties as a result of its activities in Italy from 2012 to 2017. In June 2019, UBS entered into a settlement agreement with the Italian tax authorities under which it paid EUR 101 million to resolve the claims asserted by the authority related to UBS AG's potential permanent establishment in Italy. In October 2019, the Judge of Preliminary Investigations of the Milan Court approved an agreement with the Milan prosecutor under Article 63 of Italian Administrative Law 231 under which UBS AG, UBS Switzerland AG and UBS Monaco will pay an aggregate of EUR 10.3 million to resolve claims premised on the alleged inadequacy of historical internal controls. No admission of wrongdoing was required in connection with this resolution.

Our balance sheet at 30 September 2019 reflected provisions with respect to matters described in this item 1 in an amount that UBS believes to be appropriate under the applicable accounting standard. As in the case of other matters for which we have established provisions, the future outflow of resources in respect of such matters cannot be determined with certainty based on currently available information and accordingly may ultimately prove to be substantially greater (or may be less) than the provision that we have recognized.

Note 16 Provisions and contingent liabilities (continued)

2. Claims related to sales of residential mortgage-backed securities and mortgages

From 2002 through 2007, prior to the crisis in the US residential loan market, UBS was a substantial issuer and underwriter of US residential mortgage-backed securities (RMBS) and was a purchaser and seller of US residential mortgages. A subsidiary of UBS, UBS Real Estate Securities Inc. (UBS RESI), acquired pools of residential mortgage loans from originators and (through an affiliate) deposited them into securitization trusts. In this manner, from 2004 through 2007, UBS RESI sponsored approximately USD 80 billion in RMBS, based on the original principal balances of the securities issued.

UBS RESI also sold pools of loans acquired from originators to third-party purchasers. These whole loan sales during the period 2004 through 2007 totaled approximately USD 19 billion in original principal balance.

UBS was not a significant originator of US residential loans. A branch of UBS originated approximately USD 1.5 billion in US residential mortgage loans during the period in which it was active from 2006 to 2008 and securitized less than half of these loans.

Lawsuits related to contractual representations and warranties concerning mortgages and RMBS: When UBS acted as an RMBS sponsor or mortgage seller, it generally made certain representations relating to the characteristics of the underlying loans. In the event of a material breach of these representations, UBS was in certain circumstances contractually obligated to repurchase the loans to which the representations related or to indemnify certain parties against losses. In 2012, certain RMBS trusts filed an action in the US District Court for the Southern District of New York seeking to enforce UBS RESI's obligation to repurchase loans in the collateral pools for three RMBS securitizations issued and underwritten by UBS with an original principal balance of approximately USD 2 billion. In July 2018, UBS and the trustee entered into an agreement under which UBS will pay USD 850 million to resolve this matter. A significant portion of this amount will be borne by other parties that indemnified UBS. The settlement remains subject to court approval and proceedings to determine how the settlement funds will be distributed to RMBS holders. After giving effect to this settlement, UBS considers claims relating to substantially all loan repurchase demands to be resolved and believes that new demands to repurchase US residential mortgage loans are time-barred under a decision rendered by the New York Court of Appeals.

Mortgage-related regulatory matters: Since 2014, the US Attorney's Office for the Eastern District of New York has sought information from UBS pursuant to the Financial Institutions Reform, Recovery and Enforcement Act of 1989 (FIRREA), related to UBS's RMBS business from 2005 through 2007. On 8 November 2018, the DOJ filed a civil complaint in the District Court for the Eastern District of New York. The complaint seeks unspecified civil monetary penalties under FIRREA related to UBS's issuance, underwriting and sale of 40 RMBS transactions in 2006 and 2007. UBS moved to dismiss the civil complaint on 6 February 2019.

Our balance sheet at 30 September 2019 reflected a provision with respect to matters described in this item 2 in an amount that UBS believes to be appropriate under the applicable accounting standard. As in the case of other matters for which we have established provisions, the future outflow of resources in respect of this matter cannot be determined with certainty based on currently available information and accordingly may ultimately prove to be substantially greater (or may be less) than the provision that we have recognized.

3. Madoff

In relation to the Bernard L. Madoff Investment Securities LLC (BMIS) investment fraud, UBS AG, UBS (Luxembourg) S.A. (now UBS Europe SE, Luxembourg branch) and certain other UBS subsidiaries have been subject to inquiries by a number of regulators, including the Swiss Financial Market Supervisory Authority (FINMA) and the Luxembourg Commission de Surveillance du Secteur Financier. Those inquiries concerned two third-party funds established under Luxembourg law, substantially all assets of which were with BMIS, as well as certain funds established in offshore jurisdictions with either direct or indirect exposure to BMIS. These funds faced severe losses, and the Luxembourg funds are in liquidation. The documentation establishing both funds identifies UBS entities in various roles, including custodian, administrator, manager, distributor and promoter, and indicates that UBS employees serve as board members.

In 2009 and 2010, the liquidators of the two Luxembourg funds filed claims against UBS entities, non-UBS entities and certain individuals, including current and former UBS employees, seeking amounts totaling approximately EUR 2.1 billion, which includes amounts that the funds may be held liable to pay the trustee for the liquidation of BMIS (BMIS Trustee).

Note 16 Provisions and contingent liabilities (continued)

A large number of alleged beneficiaries have filed claims against UBS entities (and non-UBS entities) for purported losses relating to the Madoff fraud. The majority of these cases have been filed in Luxembourg, where decisions that the claims in eight test cases were inadmissible have been affirmed by the Luxembourg Court of Appeal, and the Luxembourg Supreme Court has dismissed a further appeal in one of the test cases.

In the US, the BMIS Trustee filed claims against UBS entities, among others, in relation to the two Luxembourg funds and one of the offshore funds. The total amount claimed against all defendants in these actions was not less than USD 2 billion. In 2014, the US Supreme Court rejected the BMIS Trustee's motion for leave to appeal decisions dismissing all claims except those for the recovery of approximately USD 125 million of payments alleged to be fraudulent conveyances and preference payments. In 2016, the bankruptcy court dismissed these claims against the UBS entities. The BMIS Trustee appealed. In February 2019, the Court of Appeals reversed the dismissal of the BMIS Trustee's remaining claims. In August 2019, the defendants, including UBS, filed a petition to the US Supreme Court requesting that it review the Court of Appeals' decision. The bankruptcy proceedings have been stayed pending a decision with respect to that petition.

4. Puerto Rico

Declines since 2013 in the market prices of Puerto Rico municipal bonds and of closed-end funds (funds) that are sole-managed and co-managed by UBS Trust Company of Puerto Rico and distributed by UBS Financial Services Incorporated of Puerto Rico (UBS PR) have led to multiple regulatory inquiries, as well as customer complaints and arbitrations with aggregate claimed damages of USD 3.4 billion, of which claims with aggregate claimed damages of USD 2.4 billion have been resolved through settlements, arbitration or withdrawal of the claim. The claims have been filed by clients in Puerto Rico who own the funds or Puerto Rico municipal bonds and / or who used their UBS account assets as collateral for UBS non-purpose loans; customer complaint and arbitration allegations include fraud, misrepresentation and unsuitability of the funds and of the loans.

A shareholder derivative action was filed in 2014 against various UBS entities and current and certain former directors of the funds, alleging hundreds of millions of US dollars in losses in the funds. In 2015, defendants' motion to dismiss was denied and a request for permission to appeal that ruling was denied by the Puerto Rico Supreme Court. In 2014, a federal class action complaint also was filed against various UBS entities, certain members of UBS PR senior management and the co-manager of certain of the funds, seeking damages for investor losses in the funds during the period from May 2008 through May 2014. Following denial of the plaintiffs' motion for class certification, the case was dismissed in October 2018.

In 2014 and 2015, UBS entered into settlements with the Office of the Commissioner of Financial Institutions for the Commonwealth of Puerto Rico, the US Securities and Exchange Commission (SEC) and the Financial Industry Regulatory Authority in relation to their examinations of UBS's operations.

In 2011, a purported derivative action was filed on behalf of the Employee Retirement System of the Commonwealth of Puerto Rico (System) against over 40 defendants, including UBS PR, which was named in connection with its underwriting and consulting services. Plaintiffs alleged that defendants violated their purported fiduciary duties and contractual obligations in connection with the issuance and underwriting of USD 3 billion of bonds by the System in 2008 and sought damages of over USD 800 million. In 2016, the court granted the System's request to join the action as a plaintiff, but ordered that plaintiffs must file an amended complaint. In 2017, the court denied defendants' motion to dismiss the amended complaint.

Beginning in 2015, and continuing through 2017, certain agencies and public corporations of the Commonwealth of Puerto Rico (Commonwealth) defaulted on certain interest payments on Puerto Rico bonds. In 2016, US federal legislation created an oversight board with power to oversee Puerto Rico's finances and to restructure its debt. The oversight board has imposed a stay on the exercise of certain creditors' rights. In 2017, the oversight board placed certain of the bonds into a bankruptcy-like proceeding under the supervision of a Federal District Judge. These events, further defaults or any further legislative action to create a legal means of restructuring Commonwealth obligations or to impose additional oversight on the Commonwealth's finances, or any restructuring of the Commonwealth's obligations, may increase the number of claims against UBS concerning Puerto Rico securities, as well as potential damages sought.

In May 2019, the oversight board filed complaints in Puerto Rico federal district court bringing claims against financial, legal and accounting firms that had participated in Puerto Rico municipal bond offerings, including UBS, seeking a return of underwriting and swap fees paid in connection with those offerings. UBS estimates that it received approximately USD 125 million in fees in the relevant offerings.

In August 2019, two US insurance companies that insured issues of Puerto Rico municipal bonds sued UBS and seven other underwriters of Puerto Rico municipal bonds, alleging an aggregate of USD 720 million in damages from the defendants. The plaintiffs allege that defendants failed to reasonably investigate financial statements in the offering materials for the insured Puerto Rico bonds issued between 2002 and 2007, which plaintiffs allege they relied upon in agreeing to insure the bonds notwithstanding that they had no contractual relationship with the underwriters.

Note 16 Provisions and contingent liabilities (continued)

Our balance sheet at 30 September 2019 reflected provisions with respect to matters described in this item 4 in amounts that UBS believes to be appropriate under the applicable accounting standard. As in the case of other matters for which we have established provisions, the future outflow of resources in respect of such matters cannot be determined with certainty based on currently available information and accordingly may ultimately prove to be substantially greater (or may be less) than the provisions that we have recognized.

5. Foreign exchange, LIBOR and benchmark rates, and other trading practices

Foreign exchange-related regulatory matters: Beginning in 2013, numerous authorities commenced investigations concerning possible manipulation of foreign exchange markets and precious metals prices. In 2014 and 2015, UBS reached settlements with the UK Financial Conduct Authority (FCA) and the US Commodity Futures Trading Commission (CFTC) in connection with their foreign exchange investigations, FINMA issued an order concluding its formal proceedings relating to UBS's foreign exchange and precious metals businesses, and the Board of Governors of the Federal Reserve System (Federal Reserve Board) and the Connecticut Department of Banking issued a Cease and Desist Order and assessed monetary penalties against UBS AG. In 2015, the DOJ's Criminal Division terminated the 2012 non-prosecution agreement with UBS AG related to UBS's submissions of benchmark interest rates, and UBS AG pleaded guilty to one count of wire fraud, paid a fine and is subject to probation through January 2020. In 2019 the European Commission announced two decisions with respect to foreign exchange trading. UBS was granted immunity by the European Commission in these matters and therefore was not fined. UBS has ongoing obligations to cooperate with these authorities and to undertake certain remediation measures. UBS has also been granted conditional immunity by the Antitrust Division of the DOJ and by authorities in other jurisdictions in connection with potential competition law violations relating to foreign exchange and precious metals businesses. Investigations relating to foreign exchange matters by certain authorities remain ongoing notwithstanding these resolutions.

Foreign exchange-related civil litigation: Putative class actions have been filed since 2013 in US federal courts and in other jurisdictions against UBS and other banks on behalf of putative classes of persons who engaged in foreign currency transactions with any of the defendant banks. UBS has resolved US federal court class actions relating to foreign currency transactions with the defendant banks and persons who transacted in foreign

exchange futures contracts and options on such futures under a settlement agreement that provides for UBS to pay an aggregate of USD 141 million and provide cooperation to the settlement classes. Certain class members have excluded themselves from that settlement and have filed individual actions in US and English courts against UBS and other banks, alleging violations of US and European competition laws and unjust enrichment.

In 2015, a putative class action was filed in federal court against UBS and numerous other banks on behalf of persons and businesses in the US who directly purchased foreign currency from the defendants and alleged co-conspirators for their own end use. In March 2017, the court granted UBS's (and the other banks') motions to dismiss the complaint. The plaintiffs filed an amended complaint in August 2017. In March 2018, the court denied the defendants' motions to dismiss the amended complaint.

In 2017, two putative class actions were filed in federal court in New York against UBS and numerous other banks on behalf of persons and entities who had indirectly purchased foreign exchange instruments from a defendant or co-conspirator in the US, and a consolidated complaint was filed in June 2017. In March 2018, the court dismissed the consolidated complaint. In October 2018, the court granted plaintiffs' motion seeking leave to file an amended complaint.

LIBOR and other benchmark-related regulatory matters: Numerous government agencies, including the SEC, the CFTC, the DOJ, the FCA, the UK Serious Fraud Office, the Monetary Authority of Singapore, the Hong Kong Monetary Authority, FINMA, various state attorneys general in the US and competition authorities in various jurisdictions have conducted investigations regarding potential improper attempts by UBS, among others, to manipulate LIBOR and other benchmark rates at certain times. UBS reached settlements or otherwise concluded investigations relating to benchmark interest rates with the investigating authorities. UBS has ongoing obligations to cooperate with the authorities with whom we have reached resolutions and to undertake certain remediation measures with respect to benchmark interest rate submissions. UBS has been granted conditional leniency or conditional immunity from authorities in certain jurisdictions, including the Antitrust Division of the DOJ and the Swiss Competition Commission (WEKO), in connection with potential antitrust or competition law violations related to certain rates. However, UBS has not reached a final settlement with WEKO, as the Secretariat of WEKO has asserted that UBS does not qualify for full immunity.

Note 16 Provisions and contingent liabilities (continued)

LIBOR and other benchmark-related civil litigation: A number of putative class actions and other actions are pending in the federal courts in New York against UBS and numerous other banks on behalf of parties who transacted in certain interest rate benchmark-based derivatives. Also pending in the US and in other jurisdictions are a number of other actions asserting losses related to various products whose interest rates were linked to LIBOR and other benchmarks, including adjustable rate mortgages, preferred and debt securities, bonds pledged as collateral, loans, depository accounts, investments and other interest-bearing instruments. The complaints allege manipulation, through various means, of certain benchmark interest rates, including USD LIBOR, Euroyen TIBOR, Yen LIBOR, EURIBOR, CHF LIBOR, GBP LIBOR, SGD SIBOR and SOR and Australian BBSW, and seek unspecified compensatory and other damages under varying legal theories.

USD LIBOR class and individual actions in the US: In 2013 and 2015, the district court in the USD LIBOR actions dismissed, in whole or in part, certain plaintiffs' antitrust claims, federal racketeering claims, CEA claims, and state common law claims. Although the Second Circuit vacated the district court's judgment dismissing antitrust claims, the district court again dismissed antitrust claims against UBS in 2016. Certain plaintiffs have appealed that decision to the Second Circuit. Separately, in 2018, the Second Circuit reversed in part the district court's 2015 decision dismissing certain individual plaintiffs' claims and certain of these actions are now proceeding. UBS entered into an agreement in 2016 with representatives of a class of bondholders to settle their USD LIBOR class action. The agreement has received preliminary court approval and remains subject to final approval. In 2018, the district court denied plaintiffs' motions for class certification in the USD class actions for claims pending against UBS, and plaintiffs sought permission to appeal that ruling to the Second Circuit. In July 2018, the Second Circuit denied the petition to appeal of the class of USD lenders and in November 2018 denied the petition of the USD exchange class. In January 2019, a putative class action was filed in the District Court for the Southern District of New York against UBS and numerous other banks on behalf of US residents who, since 1 February 2014, directly transacted with a defendant bank in USD LIBOR instruments. The complaint asserts antitrust claims. The defendants moved to dismiss the complaint on 30 August 2019.

Other benchmark class actions in the US: In 2014, the court in one of the Euroyen TIBOR lawsuits dismissed certain of the plaintiffs' claims, including a federal antitrust claim, for lack of standing. In 2015, this court dismissed the plaintiffs' federal racketeering claims on the same basis and affirmed its previous

dismissal of the plaintiffs' antitrust claims against UBS. In 2017, this court also dismissed the other Yen LIBOR / Euroyen TIBOR action in its entirety on standing grounds, as did the court in the CHF LIBOR action. Also in 2017, the courts in the EURIBOR lawsuit dismissed the cases as to UBS and certain other foreign defendants for lack of personal jurisdiction. Plaintiffs in the other Yen LIBOR, Euroyen TIBOR and the EURIBOR actions have appealed the dismissals. In October 2018, the court in the SIBOR / SOR action dismissed all but one of plaintiffs' claims against UBS. Plaintiffs in the CHF LIBOR and SIBOR / SOR actions filed amended complaints following the dismissals, and the courts granted renewed motions to dismiss in July 2019 (SIBOR / SOR) and in September 2019 (CHF LIBOR). Plaintiffs in the SIBOR / SOR action have appealed the dismissal. In November 2018, the court in the BBSW lawsuit dismissed the case as to UBS and certain other foreign defendants for lack of personal jurisdiction. Following that dismissal, plaintiffs in the BBSW action filed an amended complaint in April 2019, which UBS and other defendants named in the amended complaint have moved to dismiss. The court dismissed the GBP LIBOR action in August 2019, and plaintiffs appealed the dismissal in September 2019.

Government bonds: Putative class actions have been filed since 2015 in US federal courts against UBS and other banks on behalf of persons who participated in markets for US Treasury securities since 2007. A consolidated complaint was filed in 2017 in the US District Court for the Southern District of New York alleging that the banks colluded with respect to, and manipulated prices of, US Treasury securities sold at auction and in the secondary market and asserting claims under the antitrust laws and for unjust enrichment. Defendants' motions to dismiss the consolidated complaint are pending.

UBS and reportedly other banks are responding to investigations and requests for information from various authorities regarding US Treasury securities and other government bond trading practices. As a result of its review to date, UBS has taken appropriate action.

With respect to additional matters and jurisdictions not encompassed by the settlements and orders referred to above, our balance sheet at 30 September 2019 reflected a provision in an amount that UBS believes to be appropriate under the applicable accounting standard. As in the case of other matters for which we have established provisions, the future outflow of resources in respect of such matters cannot be determined with certainty based on currently available information and accordingly may ultimately prove to be substantially greater (or may be less) than the provision that we have recognized.

Note 16 Provisions and contingent liabilities (continued)

6. Swiss retrocessions

The Federal Supreme Court of Switzerland ruled in 2012, in a test case against UBS, that distribution fees paid to a firm for distributing third-party and intra-group investment funds and structured products must be disclosed and surrendered to clients who have entered into a discretionary mandate agreement with the firm, absent a valid waiver.

FINMA has issued a supervisory note to all Swiss banks in response to the Supreme Court decision. UBS has met the FINMA requirements and has notified all potentially affected clients.

The Supreme Court decision has resulted, and may continue to result, in a number of client requests for UBS to disclose and potentially surrender retrocessions. Client requests are assessed on a case-by-case basis. Considerations taken into account when assessing these cases include, among other things, the existence of a discretionary mandate and whether or not the client documentation contained a valid waiver with respect to distribution fees.

Our balance sheet at 30 September 2019 reflected a provision with respect to matters described in this item 6 in an amount that UBS believes to be appropriate under the applicable accounting standard. The ultimate exposure will depend on client requests and the resolution thereof, factors that are difficult to predict and assess. Hence, as in the case of other

matters for which we have established provisions, the future outflow of resources in respect of such matters cannot be determined with certainty based on currently available information and accordingly may ultimately prove to be substantially greater (or may be less) than the provision that we have recognized.

7. Securities transaction pricing and disclosure

UBS identified and reported to the relevant authorities instances in which some Global Wealth Management clients booked in Hong Kong and Singapore may have been charged inappropriate spreads on debt securities transactions between 2008 and 2015. UBS intends to reimburse affected customers on a basis agreed with the relevant authorities. UBS expects the relevant authorities will subject UBS to reprimands and fines as a result of their investigations.

Our balance sheet at 30 September 2019 reflected a provision with respect to the matter described in this item 7 in an amount that UBS believes to be appropriate under the applicable accounting standard. The future outflow of resources in respect of this matter cannot be determined with certainty based on currently available information and accordingly may ultimately prove to be greater (or may be less) than the provision that we have recognized.

Note 17 Guarantees, commitments and forward starting transactions

The table below presents the maximum irrevocable amount of guarantees, commitments and forward starting transactions.

	Gross		Total gross	Sub-participations	Net
	Measured at fair value	Not measured at fair value			
<i>As of 30.9.19, USD million</i>					
Total guarantees	1,844	15,570	17,414	(2,833)	14,582
Loan commitments	7,021	27,122	34,143	(776)	33,367
Forward starting transactions¹					
Reverse repurchase agreements	36,559	1,070	37,629		
Securities borrowing agreements		23	23		
Repurchase agreements	20,098	750	20,848		
<i>As of 30.6.19, USD million</i>					
Total guarantees	1,830	16,810	18,640	(2,929)	15,712
Loan commitments	3,990	27,463	31,453	(675)	30,778
Forward starting transactions¹					
Reverse repurchase agreements	32,037	2,240	34,276		
Securities borrowing agreements		19	19		
Repurchase agreements	17,700	1,138	18,838		
<i>As of 31.12.18, USD million</i>					
Total guarantees	1,639	18,146	19,785	(2,803)	16,982
Loan commitments	3,535	31,212	34,747	(647)	34,099
Forward starting transactions¹					
Reverse repurchase agreements	8,117	925	9,042		
Securities borrowing agreements		12	12		
Repurchase agreements	7,926	400	8,326		

¹ Cash to be paid in the future by either UBS or the counterparty.

Note 18 Currency translation rates

The following table shows the rates of the main currencies used to translate the financial information of UBS's operations with a functional currency other than the US dollar into US dollars.

	Closing exchange rate				Average rate ¹				
	As of				For the quarter ended			Year-to-date	
	30.9.19	30.6.19	31.12.18	30.9.18	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
1 CHF	1.00	1.02	1.02	1.02	1.01	1.00	1.02	1.00	1.02
1 EUR	1.09	1.14	1.15	1.16	1.10	1.13	1.16	1.12	1.19
1 GBP	1.23	1.27	1.28	1.30	1.22	1.28	1.30	1.27	1.35
100 JPY	0.92	0.93	0.91	0.88	0.93	0.92	0.89	0.92	0.91

¹ Monthly income statement items of operations with a functional currency other than the US dollar are translated with month-end rates into US dollars. Disclosed average rates for a quarter represent an average of three month-end rates, weighted according to the income and expense volumes of all operations of the Group with the same functional currency for each month. Weighted average rates for individual business divisions may deviate from the weighted average rates for the Group.

UBS AG interim consolidated financial information (unaudited)

This section contains a comparison of selected financial and capital information between UBS Group AG consolidated and UBS AG consolidated. Refer to the UBS AG third quarter 2019 report, which will be available as of 25 October 2019 under "Quarterly reporting" at www.ubs.com/investors, for the interim consolidated financial statements of UBS AG.

Comparison between UBS Group AG consolidated and UBS AG consolidated

The accounting policies applied under International Financial Reporting Standards (IFRS) to both UBS Group AG and UBS AG consolidated financial statements are identical. However, there are certain scope and presentation differences as noted below:

- Assets, liabilities, operating income, operating expenses and operating profit before tax relating to UBS Group AG and its directly held subsidiaries, including UBS Business Solutions AG, are reflected in the consolidated financial statements of UBS Group AG but not of UBS AG. UBS AG's assets, liabilities, operating income and operating expenses related to transactions with UBS Group AG and its directly held subsidiaries, including UBS Business Solutions AG and other shared services subsidiaries, are not subject to elimination in the UBS AG consolidated financial statements, but are eliminated in the UBS Group AG consolidated financial statements. UBS Business Solutions AG and other shared services subsidiaries of UBS Group AG charge other legal entities within the UBS AG consolidation scope for services provided, including a markup on costs incurred.
- The equity of UBS Group AG consolidated was USD 1.6 billion higher than the equity of UBS AG consolidated as of 30 September 2019. This difference is mainly driven by higher dividends paid by UBS AG to UBS Group AG compared with the dividend distributions of UBS Group AG, as well as higher retained earnings in the UBS Group AG consolidated financial statements, largely related to the aforementioned markup charged by shared services subsidiaries of UBS Group AG to other legal entities in the UBS AG scope of consolidation, and defined benefit plan OCI in UBS Business Solutions AG, reflecting the recognition of the Swiss pension plan's surplus in the third quarter of 2019. In addition, UBS Group is the grantor of the majority of the compensation plans of the Group and recognizes share premium for equity-settled awards granted. These effects were partly offset by treasury shares acquired as part of our share repurchase program and those held to hedge share delivery obligations associated with Group compensation plans, as well as additional share premium recognized at the UBS AG consolidated level related to the establishment of UBS Group AG and UBS Business Solutions AG, a wholly owned subsidiary of UBS Group AG.
- Going concern capital of UBS AG consolidated was USD 3.8 billion lower than going concern capital of UBS Group AG consolidated as of 30 September 2019, reflecting additional tier 1 (AT1) capital of USD 4.3 billion partly offset by higher common equity tier 1 (CET1) capital of USD 0.5 billion.
- CET1 capital of UBS AG consolidated was USD 0.5 billion higher than that of UBS Group AG consolidated as of 30 September 2019. The difference in CET1 capital was primarily due to compensation-related regulatory capital accruals at the UBS Group AG level, partly offset by differences in equity, as mentioned above.
- Going concern loss-absorbing AT1 capital of UBS AG consolidated was USD 4.3 billion lower than that of UBS Group AG consolidated as of 30 September 2019, reflecting Deferred Contingent Capital Plan awards and AT1 capital notes. These AT1 capital notes were issued by UBS Group Funding (Switzerland) AG, a direct subsidiary of UBS Group AG, after the implementation of the new Swiss SRB framework, and only qualify as going concern loss-absorbing capacity at the UBS Group AG consolidated level.

Comparison between UBS Group AG consolidated and UBS AG consolidated

	As of or for the quarter ended 30.9.19		
	UBS Group AG consolidated	UBS AG consolidated	Difference (absolute)
<i>USD million, except where indicated</i>			
Income statement			
Operating income	7,088	7,187	(100)
Operating expenses	5,743	5,942	(199)
Operating profit / (loss) before tax	1,345	1,245	100
<i>of which: Global Wealth Management</i>	894	877	17
<i>of which: Personal & Corporate Banking</i>	354	354	0
<i>of which: Asset Management</i>	124	124	0
<i>of which: Investment Bank</i>	172	165	7
<i>of which: Corporate Center</i>	(200)	(275)	75
Net profit / (loss)	1,051	969	82
<i>of which: net profit / (loss) attributable to shareholders</i>	1,049	967	82
<i>of which: net profit / (loss) attributable to non-controlling interests</i>	1	1	0
Statement of comprehensive income			
Other comprehensive income	2,095	1,274	821
<i>of which: attributable to shareholders</i>	2,101	1,280	821
<i>of which: attributable to non-controlling interests</i>	(6)	(6)	0
Total comprehensive income	3,146	2,243	903
<i>of which: attributable to shareholders</i>	3,151	2,248	903
<i>of which: attributable to non-controlling interests</i>	(5)	(5)	0
Balance sheet			
Total assets	973,118	972,048	1,071
Total liabilities	916,768	917,271	(503)
Total equity	56,351	54,776	1,574
<i>of which: equity attributable to shareholders</i>	56,187	54,613	1,574
<i>of which: equity attributable to non-controlling interests</i>	163	163	0
Capital information			
Common equity tier 1 capital	34,673	35,211	(538)
Going concern capital	50,702	46,895	3,807
Risk-weighted assets	264,626	263,777	849
Common equity tier 1 capital ratio (%)	13.1	13.3	(0.2)
Going concern capital ratio (%)	19.2	17.8	1.4
Total loss-absorbing capacity ratio (%)	33.3	32.9	0.4
Leverage ratio denominator	901,914	901,926	(11)
Common equity tier 1 leverage ratio (%)	3.84	3.90	(0.06)
Going concern leverage ratio (%)	5.6	5.2	0.4
Total loss-absorbing capacity leverage ratio (%)	9.8	9.6	0.2

As of or for the quarter ended 30.6.19			As of or for the quarter ended 31.12.18		
UBS Group AG consolidated	UBS AG consolidated	Difference (absolute)	UBS Group AG consolidated	UBS AG consolidated	Difference (absolute)
7,532	7,632	(100)	6,972	7,083	(111)
5,773	5,975	(202)	6,492	6,667	(176)
1,759	1,657	102	481	416	65
874	857	17	327	316	11
390	392	(2)	644	645	(1)
124	124	0	106	105	1
427	419	8	(78)	(79)	1
(56)	(135)	79	(518)	(571)	53
1,393	1,308	85	315	273	42
1,392	1,307	85	315	272	42
1	1	0	1	1	0
1,080	1,076	4	893	895	(2)
1,086	1,082	4	892	894	(2)
(6)	(6)	0	1	1	0
2,473	2,384	89	1,208	1,168	41
2,478	2,389	89	1,207	1,166	41
(5)	(5)	0	2	2	0
968,728	968,645	83	958,489	958,055	434
915,378	916,116	(738)	905,386	905,624	(238)
53,350	52,529	821	53,103	52,432	671
53,180	52,359	821	52,928	52,256	671
170	170	0	176	176	0
34,948	35,881	(933)	34,119	34,608	(489)
49,993	46,500	3,493	46,279	42,413	3,865
262,135	261,364	772	263,747	262,840	907
13.3	13.7	(0.4)	12.9	13.2	(0.2)
19.1	17.8	1.3	17.5	16.1	1.4
33.3	33.0	0.3	31.7	31.3	0.5
911,379	911,601	(221)	904,598	904,458	140
3.83	3.94	(0.10)	3.77	3.83	(0.05)
5.5	5.1	0.4	5.1	4.7	0.4
9.6	9.5	0.1	9.3	9.1	0.2

Significant regulated subsidiary and sub-group information

Unaudited

Financial and regulatory key figures for our significant regulated subsidiaries and sub-groups

	UBS AG (standalone) <i>USD million, except where indicated</i>		UBS Switzerland AG (standalone) <i>CHF million, except where indicated</i>		UBS Europe SE (consolidated) ¹ <i>EUR million, except where indicated</i>		UBS Americas Holding LLC (consolidated) <i>USD million, except where indicated</i>	
As of or for the quarter ended	30.9.19	30.6.19	30.9.19	30.6.19	30.9.19	30.6.19	30.9.19	30.6.19
Financial information^{2,3,4}								
Income statement								
Total operating income	2,561	4,839	1,887	1,812	251	256	2,991	3,239
Total operating expenses	1,956	1,815	1,533	1,618	213	204	2,732	2,721
Operating profit / (loss) before tax	605	3,025	353	194	37	52	259	518
Net profit / (loss)	471	2,997	278	142	32	57	183	250
Balance sheet								
Total assets	489,838	500,958	294,162	295,749	59,316	60,987	137,919	135,542
Total liabilities	438,457	450,049	281,747	283,612	54,891	56,576	109,395	106,973
Total equity	51,381	50,909	12,414	12,137	4,424	4,410	28,524	28,569
Capital^{5,6}								
Common equity tier 1 capital	50,458	51,261	10,875	10,654	3,528	3,543	11,868	12,900
Additional tier 1 capital	11,684	10,619	4,249	4,240	290	290	3,054	2,154
Tier 1 capital	62,142	61,880	15,124	14,894	3,818	3,833	14,923	15,055
Total going concern capital	67,267	67,485	15,124	14,894	3,818			
Tier 2 capital							717	718
Total gone concern loss-absorbing capacity			10,948	10,924	1,844 ⁷			
Total capital					3,818	3,833	15,640	15,772
Total loss-absorbing capacity			26,072	25,818	5,662			
Risk-weighted assets and leverage ratio denominator^{5,6}								
Risk-weighted assets	297,200	294,348	97,927	96,640	14,407	13,725	52,947	53,892
Leverage ratio denominator	609,656	618,704	309,750	311,212	50,199	52,291	123,632	123,008
Capital and leverage ratios (%)^{5,6}								
Common equity tier 1 capital ratio	17.0	17.4	11.1	11.0	24.5	25.8	22.4	23.9
Tier 1 capital ratio					26.5	27.9	28.2	27.9
Going concern capital ratio	22.6	22.9	15.4	15.4				
Total capital ratio					26.5	27.9	29.5	29.3
Total loss-absorbing capacity ratio			26.6	26.7	39.3			
Leverage ratio ⁸	11.0	10.9			7.6	7.3	12.1	12.2
Total loss-absorbing capacity leverage ratio			8.4	8.3	11.3			
Liquidity^{6,9,10}								
High-quality liquid assets (billion)	76	82	65	67	14	14		
Net cash outflows (billion)	56	57	49	49	9	8		
Liquidity coverage ratio (%) ^{11,12}	137	145	132	138	161	177		

Other

Joint and several liability between UBS AG and UBS Switzerland AG (billion)¹³

19 22

¹ As a result of the cross-border merger of UBS Limited into UBS Europe SE effective 1 March 2019, UBS Europe SE has become a significant regulated subsidiary of UBS Group AG. The size, scope and business model of the merged entity is now materially different. For more information about the cross-border merger of UBS Limited into UBS Europe SE, refer to the "Recent developments" section of our first quarter 2019 report. ² UBS AG and UBS Switzerland AG financial information is prepared in accordance with Swiss GAAP (FINMA Circular 2015/1 and Banking Ordinance), but does not represent interim financial statements under Swiss GAAP. ³ UBS Europe SE financial information is prepared in accordance with International Financial Reporting Standards (IFRS), but does not represent interim financial statements under IFRS. ⁴ UBS Americas Holding LLC financial information is prepared in accordance with accounting principles generally accepted in the US (US GAAP), but does not represent interim financial statements under US GAAP. ⁵ For UBS AG and UBS Switzerland AG, based on applicable transitional arrangements for Swiss systemically relevant banks (SRBs). For UBS Europe SE, based on applicable EU Basel III rules. ⁶ Refer to the 30 September 2019 Pillar 3 report available under "Pillar 3 disclosures" at www.ubs.com/investors for more information. ⁷ Consists of positions which meet the conditions laid down in Art. 72a-b of the Capital Requirements Regulation (CRR) II with regard to contractual, structural or legal subordination. ⁸ For UBS AG, on the basis of going concern capital. On the basis of tier 1 capital for UBS Europe SE and UBS Americas Holding LLC. ⁹ There was no local disclosure requirement for UBS Americas Holding LLC as of 30 September 2019 and 30 June 2019. ¹⁰ For UBS Europe SE, figures as of 30 September 2019 are based on a seven-month average and as of 30 June 2019 on a four-month average, rather than a twelve-month average, as data produced on the same basis is only available for the period since the cross-border merger. ¹¹ UBS AG is required to maintain a minimum liquidity coverage ratio of 105% as communicated by FINMA. ¹² UBS Switzerland AG, as a Swiss SRB, is required to maintain a minimum liquidity coverage ratio of 100%. ¹³ Refer to the "Capital management" section of our Annual Report 2018 for more information about the joint and several liability. Under certain circumstances, the Swiss Banking Act and FINMA's Banking Insolvency Ordinance authorize FINMA to modify, extinguish or convert to common equity liabilities of a bank in connection with a resolution or insolvency of such bank.

UBS Group AG is a holding company and conducts substantially all of its operations through UBS AG and its subsidiaries. UBS Group AG and UBS AG contribute a significant portion of their respective capital and provide substantial liquidity to subsidiaries. Many of these subsidiaries are subject to regulations requiring compliance with minimum capital, liquidity and similar requirements. The tables in this section summarize the regulatory capital components and capital ratios of our significant regulated subsidiaries and sub-groups determined under the regulatory framework of each subsidiary's or sub-group's home jurisdiction.

Supervisory authorities generally have discretion to impose higher requirements or to otherwise limit the activities of subsidiaries. Supervisory authorities also may require entities to

measure capital and leverage ratios on a stressed basis and may limit the ability of an entity to engage in new activities or take capital actions based on the results of those tests.

Standalone regulatory information for UBS AG and UBS Switzerland AG as well as consolidated regulatory information for UBS Europe SE and UBS Americas Holding LLC is provided in the 30 September 2019 Pillar 3 report available under "Pillar 3 disclosures" at www.ubs.com/investors.

Selected financial and regulatory information for UBS AG consolidated is included in the key figures table below. Refer also to the UBS AG third quarter 2019 report, which will be available as of 25 October 2019 under "Quarterly reporting" at www.ubs.com/investors.

UBS AG consolidated key figures

USD million, except where indicated	As of or for the quarter ended				As of or year-to-date	
	30.9.19	30.6.19	31.12.18	30.9.18	30.9.19	30.9.18
Results						
Operating income	7,187	7,632	7,083	7,526	22,162	23,559
Operating expenses	5,942	5,975	6,667	5,960	17,807	18,517
Operating profit / (loss) before tax	1,245	1,657	416	1,566	4,355	5,042
Net profit / (loss) attributable to shareholders	967	1,307	272	1,142	3,343	3,834
Profitability and growth¹						
Return on equity (%) ²	7.2	9.9	2.1	9.0	8.4	9.9
Return on tangible equity (%) ³	8.3	11.3	2.4	10.3	9.6	11.3
Return on common equity tier 1 capital (%) ⁴	10.9	14.8	3.1	13.2	12.6	14.8
Return on risk-weighted assets, gross (%) ⁵	11.0	11.6	11.0	11.8	11.2	12.3
Return on leverage ratio denominator, gross (%) ⁵	3.2	3.4	3.1	3.3	3.3	3.4
Cost / income ratio (%) ⁶	82.2	78.2	93.4	79.1	80.1	78.4
Net profit growth (%) ⁷	(15.3)	2.0		21.8	(12.8)	17.9
Resources						
Total assets	972,048	968,645	958,055	950,824	972,048	950,824
Equity attributable to shareholders	54,613	52,359	52,256	51,089	54,613	51,089
Common equity tier 1 capital ⁸	35,211	35,881	34,608	35,046	35,211	35,046
Risk-weighted assets ⁹	263,777	261,364	262,840	256,206	263,777	256,206
Common equity tier 1 capital ratio (%) ⁸	13.3	13.7	13.2	13.7	13.3	13.7
Going concern capital ratio (%) ⁸	17.8	17.8	16.1	16.5	17.8	16.5
Total loss-absorbing capacity ratio (%) ⁸	32.9	33.0	31.3	31.3	32.9	31.3
Leverage ratio denominator ⁸	901,926	911,601	904,458	915,977	901,926	915,977
Common equity tier 1 leverage ratio (%) ⁸	3.90	3.94	3.83	3.83	3.90	3.83
Going concern leverage ratio (%) ⁸	5.2	5.1	4.7	4.6	5.2	4.6
Total loss-absorbing capacity leverage ratio (%) ⁸	9.6	9.5	9.1	8.8	9.6	8.8
Other						
Invested assets (USD billion) ⁹	3,422	3,381	3,101	3,330	3,422	3,330
Personnel (full-time equivalents) ¹⁰	47,180	47,072	47,643	47,091	47,180	47,091

¹ Refer to the "Performance targets and measurement" section of our Annual Report 2018 for more information about our performance targets. ² Calculated as net profit attributable to shareholders (annualized as applicable) divided by average equity attributable to shareholders. ³ Calculated as net profit attributable to shareholders (annualized as applicable) divided by average equity attributable to shareholders less average goodwill and intangible assets. Effective 1 January 2019, the definition of the numerator for return on tangible equity has been revised to align with numerators for return on equity and return on common equity tier 1 capital; i.e., we no longer adjust for amortization and impairment of goodwill and intangible assets. Prior periods have been restated. ⁴ Calculated as net profit attributable to shareholders (annualized as applicable) divided by average common equity tier 1 capital. ⁵ Calculated as operating income before credit loss expense or recovery (annualized as applicable) divided by average risk-weighted assets and average leverage ratio denominator, respectively. ⁶ Calculated as operating expenses divided by operating income before credit loss expense or recovery. ⁷ Calculated as change in net profit attributable to shareholders from continuing operations between current and comparison periods divided by net profit attributable to shareholders from continuing operations of comparison period. ⁸ Based on the Swiss systemically relevant bank framework as of 1 January 2020. Refer to the "Capital management" section of this report for more information. ⁹ Includes invested assets for Global Wealth Management, Asset Management and Personal & Corporate Banking. ¹⁰ As of 30 September 2019, the breakdown of personnel by business division and Corporate Center was: Global Wealth Management: 22,704; Personal & Corporate Banking: 5,093; Asset Management: 2,247; Investment Bank: 5,126; Corporate Center: 12,010.

Abbreviations frequently used in our financial reports

A		CDR	constant default rate	E	
ABS	asset-backed security	CDS	credit default swap	EAD	exposure at default
AEI	automatic exchange of information	CEA	Commodity Exchange Act	EBA	European Banking Authority
AGM	annual general meeting of shareholders	CECL	current expected credit loss	EC	European Commission
A-IRB	advanced internal ratings-based	CEM	current exposure method	ECB	European Central Bank
AI	artificial intelligence	CEO	Chief Executive Officer	ECL	expected credit loss(es)
AIV	alternative investment vehicle	CET1	common equity tier 1	EIR	effective interest rate
		CFO	Chief Financial Officer	EL	expected loss
ALCO	Asset and Liability Management Committee	CFTC	US Commodity Futures Trading Commission	EMEA	Europe, Middle East and Africa
		CHF	Swiss franc	EOP	Equity Ownership Plan
AMA	advanced measurement approach	CIC	Corporate Institutional Clients	EPE	expected positive exposure
AML	anti-money laundering	CIO	Chief Investment Office	EPS	earnings per share
AoA	Articles of Association of UBS Group AG	CLN	credit-linked note	ERISA	Employee Retirement Income Security Act of 1974
ASF	available stable funding	CLO	collateralized loan obligation	ESG	environmental, social and governance
ASFA	advanced supervisory formula approach	CLS	continuous linked settlement	ESMA	European Securities and Markets Authority
AT1	additional tier 1	CMBS	commercial mortgage-backed security	ESR	environmental and social risk
AuM	assets under management	C&ORC	Compliance & Operational Risk Control	ETD	exchange-traded derivative
		CRD IV	EU Capital Requirements Directive of 2013	ETF	exchange-traded fund
B				EU	European Union
BCBS	Basel Committee on Banking Supervision	CRM	credit risk mitigation (credit risk) or comprehensive risk measure (market risk)	EUR	euro
BD	business division			EURIBOR	Euro Interbank Offered Rate
BEAT	base erosion and anti-abuse tax	CSO	Client Strategy Office	F	
BIS	Bank for International Settlements	CVA	credit valuation adjustment	FCA	UK Financial Conduct Authority
		D		FCT	foreign currency translation
BoD	Board of Directors	DBO	defined benefit obligation	FINMA	Swiss Financial Market Supervisory Authority
BSC	Business Solutions Center	DCCP	Deferred Contingent Capital Plan	FINRA	US Financial Industry Regulatory Authority
BVG	Swiss occupational pension plan	DJSI	Dow Jones Sustainability Indices	FMIA	Swiss Financial Market Infrastructure Act
		DOJ	US Department of Justice		
C		DOL	US Department of Labor		
CAO	Capital Adequacy Ordinance	D-SIB	domestic systemically important bank		
CC	Corporate Center				
CCAR	Comprehensive Capital Analysis and Review	DTA	deferred tax asset		
CCyB	countercyclical buffer	DVA	debit valuation adjustment		
CCF	credit conversion factor				
CCP	central counterparty				
CCR	counterparty credit risk				
CCRC	Corporate Culture and Responsibility Committee				
CDO	collateralized debt obligation				

Abbreviations frequently used in our financial reports (continued)

FRA	forward rate agreement	IFRS	International Financial Reporting Standards	O	
FSB	Financial Stability Board			OCA	own credit adjustment
FTA	Swiss Federal Tax Administration	IHC	intermediate holding company	OCI	other comprehensive income
FTD	first to default	IMA	internal models approach	OECD	Organisation for Economic Co-operation and Development
FTP	funds transfer pricing	IMM	internal model method		
FVA	funding valuation adjustment	IPS	Investment Platforms and Solutions	OIS	overnight index swap
FVOCI	fair value through other comprehensive income	IRB	internal ratings-based	OTC	over-the-counter
FVTPL	fair value through profit or loss	IRC	incremental risk charge	P	
FX	foreign exchange	IRRBB	interest rate risk in the banking book	PD	probability of default
G		ISDA	International Swaps and Derivatives Association	PFE	potential future exposure
GAAP	generally accepted accounting principles	K		PIT	point in time
GBP	pound sterling	KRT	Key Risk Taker	P&L	profit or loss
GEB	Group Executive Board	L		POCI	purchased or originated credit-impaired
GFA	Group Franchise Awards	LAC	loss-absorbing capacity	PRA	UK Prudential Regulation Authority
GHG	greenhouse gas	LAS	liquidity-adjusted stress	PRV	positive replacement value
GIA	Group Internal Audit	LCR	liquidity coverage ratio	Q	
GIIPS	Greece, Italy, Ireland, Portugal and Spain	LGD	loss given default	QRRE	qualifying revolving retail exposures
GMD	Group Managing Director	LIBOR	London Interbank Offered Rate	R	
GRI	Global Reporting Initiative	LLC	limited liability company	RBA	role-based allowances
Group ALM	Group Asset and Liability Management	LRD	leverage ratio denominator	RBC	risk-based capital
G-SIB	global systemically important bank	LTV	loan-to-value	RLN	reference-linked note
H		M		RMBS	residential mortgage-backed securities
HQLA	high-quality liquid assets	MiFID II	Markets in Financial Instruments Directive II	RniV	risks not in VaR
HR	human resources	MiFIR	Markets in Financial Instruments Regulation	RoAE	return on attributed equity
I				RoCET1	return on CET1
IAA	internal assessment approach	MRT	Material Risk Taker	RoE	return on equity
IAS	International Accounting Standards	MTN	medium-term note	RoTE	return on tangible equity
IASB	International Accounting Standards Board	N		RoU	right-of-use
IBOR	interbank offered rate	NAV	net asset value	RV	replacement value
IFRIC	International Financial Reporting Interpretations Committee	NII	net interest income	RW	risk weight
		NRV	negative replacement value	RWA	risk-weighted assets
		NSFR	net stable funding ratio		
		NYSE	New York Stock Exchange		

Abbreviations frequently used in our financial reports (continued)

S		SI	sustainable investing	T	
SA	standardized approach	SICR	significant increase in credit risk	TBTF	too big to fail
SA-CCR	standardized approach for counterparty credit risk	SIX	SIX Swiss Exchange	TCJA	US Tax Cuts and Jobs Act
SAR	stock appreciation right	SMA	standardized measurement approach	TLAC	total loss-absorbing capacity
SBC	Swiss Bank Corporation			TRS	total return swap
SCCL	single-counterparty credit limit	SME	small and medium-sized enterprises	TTC	through the cycle
SDGs	Sustainable Development Goals	SMF	Senior Management Function	U	
SE	structured entity	SNB	Swiss National Bank	UoM	units of measure
SEC	US Securities and Exchange Commission	SPPI	solely payments of principal and interest	USD	US dollar
SEEOP	Senior Executive Equity Ownership Plan	SRB	systemically relevant bank	US IHC	US intermediate holding company
SFTs	securities financing transactions	SRM	specific risk measure	V	
		SVaR	stressed value-at-risk	VaR	value-at-risk

This is a general list of the abbreviations frequently used in our financial reporting. Not all of the listed abbreviations may appear in this particular report.

Information sources

Reporting publications

Annual publications: *Annual Report (SAP no. 80531)*: Published in English, this single-volume report provides descriptions of: our Group strategy and performance; the strategy and performance of the business divisions and Corporate Center; risk, treasury and capital management; corporate governance, corporate responsibility and our compensation framework, including information about compensation for the Board of Directors and the Group Executive Board members; and financial information, including the financial statements. *Auszug aus dem Geschäftsbericht (SAP no. 80531)*: This publication provides the translation into German of selected sections of the Annual Report. *Annual Review (SAP no. 80530)*: This booklet contains key information about our strategy and performance, with a focus on corporate responsibility at UBS. It is published in English, German, French and Italian. *Compensation Report (SAP no. 82307)*: This report discusses our compensation framework and provides information about compensation for the Board of Directors and the Group Executive Board members. It is available in English and German.

Quarterly publications: The quarterly financial report provides an update on our strategy and performance for the respective quarter. It is available in English.

How to order publications: The annual and quarterly publications are available in .pdf format at www.ubs.com/investors, in the "UBS Group AG and UBS AG consolidated financial information" section, and printed copies can be requested from UBS free of charge. For annual publications, refer to the "Investor services" section at www.ubs.com/investors. Alternatively, they can be ordered by quoting the SAP number and the language preference, where applicable, from UBS AG, F4UK-AUL, P.O. Box, CH-8098 Zurich, Switzerland.

Other information

Website: The "Investor Relations" website at www.ubs.com/investors provides the following information about UBS: news releases; financial information, including results-related filings with the US Securities and Exchange Commission; information for shareholders, including UBS share price charts as well as data and dividend information, and for bondholders; the UBS corporate calendar; and presentations by management for investors and financial analysts. Information on the internet is available in English, with some information also available in German.

Results presentations: Our quarterly results presentations are webcast live. A playback of most presentations is downloadable at www.ubs.com/presentations.

Messaging service: Email alerts to news about UBS can be subscribed to under "UBS news alert" at www.ubs.com/investors. Messages are sent in English, German, French or Italian, with an option to select theme preferences for such alerts.

Form 20-F and other submissions to the US Securities and Exchange Commission: We file periodic reports and submit other information about UBS to the US Securities and Exchange Commission (SEC). Principal among these filings is the annual report on Form 20-F, filed pursuant to the US Securities Exchange Act of 1934. The filing of Form 20-F is structured as a wrap-around document. Most sections of the filing can be satisfied by referring to the combined UBS Group AG and UBS AG annual report. However, there is a small amount of additional information in Form 20-F that is not presented elsewhere and is particularly targeted at readers in the US. Readers are encouraged to refer to this additional disclosure. Any document that we file with the SEC is available on the SEC's website www.sec.gov. Refer to www.ubs.com/investors for more information.

Cautionary Statement Regarding Forward-Looking Statements | This report contains statements that constitute “forward-looking statements,” including but not limited to management’s outlook for UBS’s financial performance and statements relating to the anticipated effect of transactions and strategic initiatives on UBS’s business and future development. While these forward-looking statements represent UBS’s judgments and expectations concerning the matters described, a number of risks, uncertainties and other important factors could cause actual developments and results to differ materially from UBS’s expectations. These factors include, but are not limited to: (i) the degree to which UBS is successful in the ongoing execution of its strategic plans, including its cost reduction and efficiency initiatives and its ability to manage its levels of risk-weighted assets (RWA) and leverage ratio denominator (LRD), including to counteract regulatory-driven increases, liquidity coverage ratio and other financial resources, and the degree to which UBS is successful in implementing changes to its businesses to meet changing market, regulatory and other conditions; (ii) the continuing low or negative interest rate environment in Switzerland and other jurisdictions, developments in the macroeconomic climate and in the markets in which UBS operates or to which it is exposed, including movements in securities prices or liquidity, credit spreads, and currency exchange rates, and the effects of economic conditions, market developments, and geopolitical tensions on the financial position or creditworthiness of UBS’s clients and counterparties as well as on client sentiment and levels of activity; (iii) changes in the availability of capital and funding, including any changes in UBS’s credit spreads and ratings, as well as availability and cost of funding to meet requirements for debt eligible for total loss-absorbing capacity (TLAC); (iv) changes in or the implementation of financial legislation and regulation in Switzerland, the US, the UK, the European Union and other financial centers that have imposed, or resulted in, or may do so in the future, more stringent or entity-specific capital, TLAC, leverage ratio, liquidity and funding requirements, incremental tax requirements, additional levies, limitations on permitted activities, constraints on remuneration, constraints on transfers of capital and liquidity and sharing of operational costs across the Group or other measures, and the effect these will or would have on UBS’s business activities; (v) the degree to which UBS is successful in implementing further changes to its legal structure to improve its resolvability and meet related regulatory requirements and the potential need to make further changes to the legal structure or booking model of UBS Group in response to legal and regulatory requirements, proposals in Switzerland and other jurisdictions for mandatory structural reform of banks or systemically important institutions or to other external developments, and the extent to which such changes will have the intended effects; (vi) UBS’s ability to maintain and improve its systems and controls for the detection and prevention of money laundering and compliance with sanctions to meet evolving regulatory requirements and expectations, in particular in the US; (vii) the uncertainty arising from the timing and nature of the UK’s exit from the EU; (viii) changes in UBS’s competitive position, including whether differences in regulatory capital and other requirements among the major financial centers will adversely affect UBS’s ability to compete in certain lines of business; (ix) changes in the standards of conduct applicable to our businesses that may result from new regulations or new enforcement of existing standards, including recently enacted and proposed measures to impose new and enhanced duties when interacting with customers and in the execution and handling of customer transactions; (x) the liability to which UBS may be exposed, or possible constraints or sanctions that regulatory authorities might impose on UBS, due to litigation, contractual claims and regulatory investigations, including the potential for disqualification from certain businesses, potentially large fines or monetary penalties, or the loss of licenses or privileges as a result of regulatory or other governmental sanctions, as well as the effect that litigation, regulatory and similar matters have on the operational risk component of our RWA as well as the amount of capital available for return to shareholders; (xi) the effects on UBS’s cross-border banking business of tax or regulatory developments and of possible changes in UBS’s policies and practices relating to this business; (xii) UBS’s ability to retain and attract the employees necessary to generate revenues and to manage, support and control its businesses, which may be affected by competitive factors; (xiii) changes in accounting or tax standards or policies, and determinations or interpretations affecting the recognition of gain or loss, the valuation of goodwill, the recognition of deferred tax assets and other matters; (xiv) UBS’s ability to implement new technologies and business methods, including digital services and technologies, and ability to successfully compete with both existing and new financial service providers, some of which may not be regulated to the same extent; (xv) limitations on the effectiveness of UBS’s internal processes for risk management, risk control, measurement and modeling, and of financial models generally; (xvi) the occurrence of operational failures, such as fraud, misconduct, unauthorized trading, financial crime, cyberattacks, and systems failures; (xvii) restrictions on the ability of UBS Group AG to make payments or distributions, including due to restrictions on the ability of its subsidiaries to make loans or distributions, directly or indirectly, or, in the case of financial difficulties, due to the exercise by FINMA or the regulators of UBS’s operations in other countries of their broad statutory powers in relation to protective measures, restructuring and liquidation proceedings; (xviii) the degree to which changes in regulation, capital or legal structure, financial results or other factors may affect UBS’s ability to maintain its stated capital return objective; and (xix) the effect that these or other factors or unanticipated events may have on our reputation and the additional consequences that this may have on our business and performance. The sequence in which the factors above are presented is not indicative of their likelihood of occurrence or the potential magnitude of their consequences. Our business and financial performance could be affected by other factors identified in our past and future filings and reports, including those filed with the SEC. More detailed information about those factors is set forth in documents furnished by UBS and filings made by UBS with the SEC, including UBS’s Annual Report on Form 20-F for the year ended 31 December 2018. UBS is not under any obligation to (and expressly disclaims any obligation to) update or alter its forward-looking statements, whether as a result of new information, future events, or otherwise.

Rounding | Numbers presented throughout this report may not add up precisely to the totals provided in the tables and text. Percentages, percent changes, and adjusted results are calculated on the basis of unrounded figures. Information about absolute changes between reporting periods, which is provided in text and that can be derived from figures displayed in the tables, is calculated on a rounded basis.

Tables | Within tables, blank fields generally indicate that the field is not applicable or not meaningful, or that information is not available as of the relevant date or for the relevant period. Zero values generally indicate that the respective figure is zero on an actual or rounded basis. Percentage changes are presented as a mathematical calculation of the change between periods.

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5) The third quarter report of UBS AG dated 25 October 2019

- (I)** in relation to the Base Prospectus dated 27 March 2019 for the issuance of Fixed Income Securities (Rates)
the following subsection will be added at the end of the section "DESCRIPTION OF THE ISSUER"
- (II)** in relation to the prospectus comprising the Summary and Securities Note dated 6 May 2019 for the issuance of Open End Certificates linked to the UBS Global Quality Dividend Payers Total Return (EUR) Index (ISIN DE000UBS0QD1)
the following subsection will be added at the end of the section "DESCRIPTION OF THE ISSUER"
- (III)** in relation to the prospectus comprising the Summary and Securities Note dated 8 May 2019 for the issuance of Portfolio Certificates linked to the PTAM Navigator Portfolio (ISIN CH0441698849)
the following subsection will be added at the end of the section "DESCRIPTION OF THE ISSUER"
- (IV)** in relation to the Base Prospectus dated 13 June 2019 of UBS AG for the offer of Warrants and other leveraged Securities
the following subsection will be added at the end of the section "DESCRIPTION OF THE ISSUER"
- (V)** in relation to the Base Prospectus dated 19 June 2019 for the offer of Securities
the following subsection will be added at the end of the section "DESCRIPTION OF THE ISSUER"
- (VI)** in relation to the Base Prospectus dated 10 July 2019 for the issuance of Fixed Income Securities (Cash)
the following subsection will be added at the end of the section "DESCRIPTION OF THE ISSUER"
- (VII)** in relation to the prospectus comprising the Summary and Securities Note dated 11 July 2019 for the issuance of Strategy Certificates on GelfarthSelect Strategy (ISIN CH0326223960)
the following subsection will be added at the end of the section "DESCRIPTION OF THE ISSUER"
- (VIII)** in relation to the prospectus comprising the Summary and Securities Note dated 11 July 2019 for the issuance of Portfolio Certificates linked to the Smart Health Care Portfolio (ISIN DE000US8MAR5)
the following subsection will be added at the end of the section "DESCRIPTION OF THE ISSUER"
- (IX)** in relation to the Base Prospectus dated 15 July 2019 for of UBS Express Securities, UBS Twin-Win Securities, UBS Speeder Securities, UBS Outperformance Plus Securities, UBS Bonus Securities, UBS Dolphin Securities, UBS Capital Protected Securities and UBS Accumulator Securities
the following subsection will be added at the end of the section "DESCRIPTION OF THE ISSUER"

"

(3) Third quarter report of UBS AG dated 25 October 2019

"



UBS AG

Third quarter 2019 report

Corporate calendar UBS AG

Publication of the Annual Report 2019: Friday, 28 February 2020
Publication of the first quarter 2020 report: Monday, 4 May 2020

Publication dates of quarterly and annual reports and results are made available as part of the corporate calendar of UBS AG at www.ubs.com/investors

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3 Introduction

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UBS AG consolidated key figures

UBS AG consolidated key figures

USD million, except where indicated	As of or for the quarter ended				As of or year-to-date	
	30.9.19	30.6.19	31.12.18	30.9.18	30.9.19	30.9.18
Results						
Operating income	7,187	7,632	7,083	7,526	22,162	23,559
Operating expenses	5,942	5,975	6,667	5,960	17,807	18,517
Operating profit / (loss) before tax	1,245	1,657	416	1,566	4,355	5,042
Net profit / (loss) attributable to shareholders	967	1,307	272	1,142	3,343	3,834
Profitability and growth¹						
Return on equity (%) ²	7.2	9.9	2.1	9.0	8.4	9.9
Return on tangible equity (%) ³	8.3	11.3	2.4	10.3	9.6	11.3
Return on common equity tier 1 capital (%) ⁴	10.9	14.8	3.1	13.2	12.6	14.8
Return on risk-weighted assets, gross (%) ⁵	11.0	11.6	11.0	11.8	11.2	12.3
Return on leverage ratio denominator, gross (%) ⁵	3.2	3.4	3.1	3.3	3.3	3.4
Cost / income ratio (%) ⁶	82.2	78.2	93.4	79.1	80.1	78.4
Net profit growth (%) ⁷	(15.3)	2.0		21.8	(12.8)	17.9
Resources						
Total assets	972,048	968,645	958,055	950,824	972,048	950,824
Equity attributable to shareholders	54,613	52,359	52,256	51,089	54,613	51,089
Common equity tier 1 capital ⁸	35,211	35,881	34,608	35,046	35,211	35,046
Risk-weighted assets ⁹	263,777	261,364	262,840	256,206	263,777	256,206
Common equity tier 1 capital ratio (%) ⁸	13.3	13.7	13.2	13.7	13.3	13.7
Going concern capital ratio (%) ⁸	17.8	17.8	16.1	16.5	17.8	16.5
Total loss-absorbing capacity ratio (%) ⁸	32.9	33.0	31.3	31.3	32.9	31.3
Leverage ratio denominator ⁸	901,926	911,601	904,458	915,977	901,926	915,977
Common equity tier 1 leverage ratio (%) ⁸	3.90	3.94	3.83	3.83	3.90	3.83
Going concern leverage ratio (%) ⁸	5.2	5.1	4.7	4.6	5.2	4.6
Total loss-absorbing capacity leverage ratio (%) ⁸	9.6	9.5	9.1	8.8	9.6	8.8
Other						
Invested assets (USD billion) ⁹	3,422	3,381	3,101	3,330	3,422	3,330
Personnel (full-time equivalents) ¹⁰	47,180	47,072	47,643	47,091	47,180	47,091

¹ Refer to the "Performance targets and measurement" section of our Annual Report 2018 for more information about our performance targets. ² Calculated as net profit attributable to shareholders (annualized as applicable) divided by average equity attributable to shareholders. ³ Calculated as net profit attributable to shareholders (annualized as applicable) divided by average equity attributable to shareholders less average goodwill and intangible assets. Effective 1 January 2019, the definition of the numerator for return on tangible equity has been revised to align with numerators for return on equity and return on common equity tier 1 capital; i.e., we no longer adjust for amortization and impairment of goodwill and intangible assets. Prior periods have been restated. ⁴ Calculated as net profit attributable to shareholders (annualized as applicable) divided by average common equity tier 1 capital. ⁵ Calculated as operating income before credit loss expense or recovery (annualized as applicable) divided by average risk-weighted assets and average leverage ratio denominator, respectively. ⁶ Calculated as operating expenses divided by operating income before credit loss expense or recovery. ⁷ Calculated as change in net profit attributable to shareholders from continuing operations between current and comparison periods divided by net profit attributable to shareholders from continuing operations of comparison period. ⁸ Based on the Swiss systemically relevant bank framework as of 1 January 2020. Refer to the "Capital management" section of the UBS Group third quarter 2019 report for more information. ⁹ Includes invested assets for Global Wealth Management, Asset Management and Personal & Corporate Banking. ¹⁰ As of 30 September 2019, the breakdown of personnel by business division and Corporate Center was: Global Wealth Management: 22,704; Personal & Corporate Banking: 5,093; Asset Management: 2,247; Investment Bank: 5,126; Corporate Center: 12,010.

Changes to our presentation currency

Effective from 1 October 2018, the presentation currency of UBS AG's consolidated financial statements has changed from Swiss francs to US dollars. Comparative information in this report for periods prior to the fourth quarter of 2018 has been restated. Assets, liabilities and total equity were translated to US dollars at closing exchange rates prevailing on the respective balance sheet dates, and income and expenses were translated at the respective average rates prevailing for the relevant periods.

Introduction

Structure of this report

UBS Group AG is the holding company for the UBS Group and the parent company of UBS AG. UBS Group AG holds 100% of the issued shares in UBS AG. Financial information for UBS AG consolidated does not differ materially from that for UBS Group AG consolidated.

This report includes risk and capital management information for UBS AG consolidated and the interim consolidated financial statements, as well as UBS AG standalone financial information for the quarter ended 30 September 2019. Regulatory information for UBS AG standalone is provided in the 30 September 2019 Pillar 3 report available under "Pillar 3 disclosures" at www.ubs.com/investors.

→ Refer to the UBS Group third quarter 2019 report available under "Quarterly reporting" at www.ubs.com/investors for more information

Comparison between UBS Group AG consolidated and UBS AG consolidated

The table on the following page contains a comparison of selected financial and capital information between UBS Group AG consolidated and UBS AG consolidated.

The accounting policies applied under International Financial Reporting Standards (IFRS) to both UBS Group AG and UBS AG consolidated financial statements are identical. However, there are certain scope and presentation differences as noted below:

- Assets, liabilities, operating income, operating expenses and operating profit before tax relating to UBS Group AG and its directly held subsidiaries, including UBS Business Solutions AG, are reflected in the consolidated financial statements of UBS Group AG but not of UBS AG. UBS AG's assets, liabilities, operating income and operating expenses related to transactions with UBS Group AG and its directly held subsidiaries, including UBS Business Solutions AG and other shared services subsidiaries, are not subject to elimination in the UBS AG consolidated financial statements, but are eliminated in the UBS Group AG consolidated financial statements. UBS Business Solutions AG and other shared services subsidiaries of UBS Group AG charge other legal entities within the UBS AG consolidation scope for services provided, including a markup on costs incurred.

- The equity of UBS Group AG consolidated was USD 1.6 billion higher than the equity of UBS AG consolidated as of 30 September 2019. This difference is mainly driven by higher dividends paid by UBS AG to UBS Group AG compared with the dividend distributions of UBS Group AG, as well as higher retained earnings in the UBS Group AG consolidated financial statements, largely related to the aforementioned markup charged by shared services subsidiaries of UBS Group AG to other legal entities in the UBS AG scope of consolidation, and defined benefit plan OCI in UBS Business Solutions AG, reflecting the recognition of the Swiss pension plan's surplus in the third quarter of 2019. In addition, UBS Group is the grantor of the majority of the compensation plans of the Group and recognizes share premium for equity-settled awards granted. These effects were partly offset by treasury shares acquired as part of our share repurchase program and those held to hedge share delivery obligations associated with Group compensation plans, as well as additional share premium recognized at the UBS AG consolidated level related to the establishment of UBS Group AG and UBS Business Solutions AG, a wholly owned subsidiary of UBS Group AG.
- Going concern capital of UBS AG consolidated was USD 3.8 billion lower than going concern capital of UBS Group AG consolidated as of 30 September 2019, reflecting additional tier 1 (AT1) capital of USD 4.3 billion partly offset by higher common equity tier 1 (CET1) capital of USD 0.5 billion.
- CET1 capital of UBS AG consolidated was USD 0.5 billion higher than that of UBS Group AG consolidated as of 30 September 2019. The difference in CET1 capital was primarily due to compensation-related regulatory capital accruals at the UBS Group AG level, partly offset by differences in equity, as mentioned above.
- Going concern loss-absorbing AT1 capital of UBS AG consolidated was USD 4.3 billion lower than that of UBS Group AG consolidated as of 30 September 2019, reflecting Deferred Contingent Capital Plan awards and AT1 capital notes. These AT1 capital notes were issued by UBS Group Funding (Switzerland) AG, a direct subsidiary of UBS Group AG, after the implementation of the new Swiss SRB framework, and only qualify as going concern loss-absorbing capacity at the UBS Group AG consolidated level.
 - Refer to "Holding company and significant regulated subsidiaries and sub-groups" at www.ubs.com/investors for an illustration of the consolidation scope differences between UBS AG and UBS Group AG
 - Refer to the "Capital management" section of this report for more information about differences in the loss-absorbing capacity between UBS Group AG consolidated and UBS AG consolidated

Comparison between UBS Group AG consolidated and UBS AG consolidated

USD million, except where indicated	As of or for the quarter ended 30.9.19		
	UBS Group AG consolidated	UBS AG consolidated	Difference (absolute)
Income statement			
Operating income	7,088	7,187	(100)
Operating expenses	5,743	5,942	(199)
Operating profit / (loss) before tax	1,345	1,245	100
of which: Global Wealth Management	894	877	17
of which: Personal & Corporate Banking	354	354	0
of which: Asset Management	124	124	0
of which: Investment Bank	172	165	7
of which: Corporate Center	(200)	(275)	75
Net profit / (loss)	1,051	969	82
of which: net profit / (loss) attributable to shareholders	1,049	967	82
of which: net profit / (loss) attributable to non-controlling interests	1	1	0
Statement of comprehensive income			
Other comprehensive income	2,095	1,274	821
of which: attributable to shareholders	2,101	1,280	821
of which: attributable to non-controlling interests	(6)	(6)	0
Total comprehensive income	3,146	2,243	903
of which: attributable to shareholders	3,151	2,248	903
of which: attributable to non-controlling interests	(5)	(5)	0
Balance sheet			
Total assets	973,118	972,048	1,071
Total liabilities	916,768	917,271	(503)
Total equity	56,351	54,776	1,574
of which: equity attributable to shareholders	56,187	54,613	1,574
of which: equity attributable to non-controlling interests	163	163	0
Capital information			
Common equity tier 1 capital	34,673	35,211	(538)
Going concern capital	50,702	46,895	3,807
Risk-weighted assets	264,626	263,777	849
Common equity tier 1 capital ratio (%)	13.1	13.3	(0.2)
Going concern capital ratio (%)	19.2	17.8	1.4
Total loss-absorbing capacity ratio (%)	33.3	32.9	0.4
Leverage ratio denominator	901,914	901,926	(11)
Common equity tier 1 leverage ratio (%)	3.84	3.90	(0.06)
Going concern leverage ratio (%)	5.6	5.2	0.4
Total loss-absorbing capacity leverage ratio (%)	9.8	9.6	0.2

As of or for the quarter ended 30.6.19			As of or for the quarter ended 31.12.18		
UBS Group AG consolidated	UBS AG consolidated	Difference (absolute)	UBS Group AG consolidated	UBS AG consolidated	Difference (absolute)
7,532	7,632	(100)	6,972	7,083	(111)
5,773	5,975	(202)	6,492	6,667	(176)
1,759	1,657	102	481	416	65
874	857	17	327	316	11
390	392	(2)	644	645	(1)
124	124	0	106	105	1
427	419	8	(78)	(79)	1
(56)	(135)	79	(518)	(571)	53
1,393	1,308	85	315	273	42
1,392	1,307	85	315	272	42
1	1	0	1	1	0
1,080	1,076	4	893	895	(2)
1,086	1,082	4	892	894	(2)
(6)	(6)	0	1	1	0
2,473	2,384	89	1,208	1,168	41
2,478	2,389	89	1,207	1,166	41
(5)	(5)	0	2	2	0
968,728	968,645	83	958,489	958,055	434
915,378	916,116	(738)	905,386	905,624	(238)
53,350	52,529	821	53,103	52,432	671
53,180	52,359	821	52,928	52,256	671
170	170	0	176	176	0
34,948	35,881	(933)	34,119	34,608	(489)
49,993	46,500	3,493	46,279	42,413	3,865
262,135	261,364	772	263,747	262,840	907
13.3	13.7	(0.4)	12.9	13.2	(0.2)
19.1	17.8	1.3	17.5	16.1	1.4
33.3	33.0	0.3	31.7	31.3	0.5
911,379	911,601	(221)	904,598	904,458	140
3.83	3.94	(0.10)	3.77	3.83	(0.05)
5.5	5.1	0.4	5.1	4.7	0.4
9.6	9.5	0.1	9.3	9.1	0.2

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Risk and capital management

Management report

Risk management and control

UBS AG consolidated risk profile

The risk profile of UBS AG consolidated does not differ materially from that of UBS Group AG consolidated and risk information provided in the UBS Group third quarter 2019 report is equally applicable to UBS AG consolidated.

The credit risk profile of UBS AG consolidated differs from that of UBS Group AG consolidated primarily in relation to

receivables of UBS AG and UBS Switzerland AG from UBS Group AG. As a result of these receivables, total banking products exposure of UBS AG consolidated as of 30 September 2019 was USD 1.3 billion, or 0.3%, higher than the exposure of UBS Group, compared with USD 1.5 billion, or 0.3%, as of 30 June 2019.

→ **Refer to the "Risk management and control" section of the UBS Group third quarter 2019 report for more information**

Capital management

Going and gone concern requirements and information

UBS AG is considered a systemically relevant bank (SRB) under Swiss banking law and, on a consolidated basis, both UBS Group AG and UBS AG are required to comply with regulations based on the Basel III framework as applicable for Swiss SRBs.

The Swiss SRB framework and requirements applicable to UBS AG consolidated are consistent with those applicable to UBS Group AG consolidated and are described in the "Capital management" section of our Annual Report 2018.

UBS AG is subject to going concern requirements on a standalone basis. Capital and other regulatory information for UBS AG standalone and consolidated is provided in the 30 September 2019 Pillar 3 report – UBS Group and significant regulated subsidiaries and sub-groups under "Pillar 3 disclosures" at www.ubs.com/investors.

The table below provides the risk-weighted assets (RWA)- and leverage ratio denominator (LRD)-based requirements and information as of 30 September 2019 for UBS AG consolidated.

Swiss SRB going and gone concern requirements and information

As of 30.9.19	Swiss SRB, including transitional arrangements				Swiss SRB as of 1.1.20			
	RWA		LRD		RWA		LRD	
USD million, except where indicated	in %		in %		in %		in %	
Required going concern capital								
Total going concern capital	13.89 ¹	36,627	4.50	40,587	14.61 ²	38,527	5.00 ²	45,096
Common equity tier 1 capital	9.99	26,340	3.20	28,862	10.31	27,184	3.50	31,567
of which: minimum capital	4.90	12,925	1.70	15,333	4.50	11,870	1.50	13,529
of which: buffer capital	4.78	12,609	1.50	13,529	5.50	14,508	2.00	18,039
of which: countercyclical buffer	0.31	806			0.31	806		
Maximum additional tier 1 capital	3.90	10,287	1.30	11,725	4.30	11,342	1.50	13,529
of which: additional tier 1 capital	3.10	8,177	1.30	11,725	3.50	9,232	1.50	13,529
of which: additional tier 1 buffer capital	0.80	2,110			0.80	2,110		
Eligible going concern capital								
Total going concern capital	19.73	52,035	5.77	52,035	17.78	46,895	5.20	46,895
Common equity tier 1 capital	13.35	35,211	3.90	35,211	13.35	35,211	3.90	35,211
Total loss-absorbing additional tier 1 capital ³	6.38	16,824	1.87	16,824	4.43	11,684	1.30	11,684
of which: high-trigger loss-absorbing additional tier 1 capital	4.43	11,684	1.30	11,684	4.43	11,684	1.30	11,684
of which: low-trigger loss-absorbing tier 2 capital	1.95	5,140	0.57	5,140				
Required gone concern capital								
Total gone concern loss-absorbing capacity	9.63	25,396	3.32	29,944	10.57	27,871	3.77	33,993
of which: base requirement	10.52	27,749	3.63	32,695	12.86	33,922	4.50	40,587
of which: additional requirement for market share and LRD	1.08	2,849	0.38	3,382	1.44	3,798	0.50	4,510
of which: applicable reduction on requirements	(1.97)	(5,202)	(0.68)	(6,133)	(3.73)	(9,849)	(1.23)	(11,103)
of which: rebate granted (equivalent to 42.5% of maximum rebate) ⁴	(1.97)	(5,202)	(0.68)	(6,133)	(2.43)	(6,412)	(0.85)	(7,666)
of which: reduction for usage of low-trigger tier 2 capital instruments					(1.30)	(3,437)	(0.38)	(3,437)
Eligible gone concern capital								
Total gone concern loss-absorbing capacity	13.17	34,739	3.85	34,739	15.12	39,879	4.42	39,879
Total tier 1 capital	0.91	2,403	0.27	2,403	0.91	2,403	0.27	2,403
of which: low-trigger loss-absorbing additional tier 1 capital ⁵	0.91	2,403	0.27	2,403	0.91	2,403	0.27	2,403
Total tier 2 capital	0.86	2,267	0.25	2,267	2.81	7,407	0.82	7,407
of which: low-trigger loss-absorbing tier 2 capital	0.66	1,733	0.19	1,733	2.61	6,873	0.76	6,873
of which: non-Basel III-compliant tier 2 capital	0.20	534	0.06	534	0.20	534	0.06	534
TLAC-eligible senior unsecured debt	11.40	30,069	3.33	30,069	11.40	30,069	3.33	30,069
Total loss-absorbing capacity								
Required total loss-absorbing capacity	23.51	62,024	7.82	70,531	25.17	66,398	8.77	79,090
Eligible total loss-absorbing capacity	32.90	86,774	9.62	86,774	32.90	86,774	9.62	86,774
Risk-weighted assets / leverage ratio denominator								
Risk-weighted assets	263,777				263,777			
Leverage ratio denominator	901,926				901,926			

¹ Includes applicable add-ons of 0.72% for RWA. ² Includes applicable add-ons of 1.44% for RWA and 0.5% for LRD. ³ Includes outstanding low-trigger loss-absorbing tier 2 capital instruments under the transitional rules of the Swiss SRB framework to meet the going concern requirements until the earlier of (i) their maturity or first call date or (ii) 31 December 2019, and to meet gone concern requirements thereafter. Outstanding low-trigger loss-absorbing tier 2 capital instruments are subject to amortization starting five years prior to their maturity, with the amortized portion qualifying as gone concern loss-absorbing capacity. Instruments available to meet gone concern requirements are eligible until one year before maturity, with a haircut of 50% applied in the last year of eligibility. ⁴ Based on the actions we completed up to December 2018 to improve resolvability, FINMA granted a rebate on the gone concern requirement of 42.5% of the maximum rebate in the third quarter of 2019 as compared with 40% in the previous quarter. ⁵ The relevant capital instruments were issued after the new Swiss SRB framework had been implemented and therefore qualify as gone concern loss-absorbing capacity.

Swiss SRB going and gone concern information

	Swiss SRB, including transitional arrangements			Swiss SRB as of 1.1.20		
USD million, except where indicated	30.9.19	30.6.19	31.12.18	30.9.19	30.6.19	31.12.18
Eligible going concern capital						
Total going concern capital	52,035	52,125	48,421	46,895	46,500	42,413
Total tier 1 capital	46,895	46,500	42,413	46,895	46,500	42,413
Common equity tier 1 capital	35,211	35,881	34,608	35,211	35,881	34,608
Total loss-absorbing additional tier 1 capital	11,684	10,619	7,805	11,684	10,619	7,805
of which: high-trigger loss-absorbing additional tier 1 capital	11,684	10,619	7,805	11,684	10,619	7,805
Total tier 2 capital	5,140	5,625	6,008			
of which: low-trigger loss-absorbing tier 2 capital ¹	5,140	5,625	6,008			
Eligible gone concern capital²						
Total gone concern loss-absorbing capacity	34,739	34,179	33,830	39,879	39,805	39,837
Total tier 1 capital	2,403	2,435	2,378	2,403	2,435	2,378
of which: low-trigger loss-absorbing additional tier 1 capital ³	2,403	2,435	2,378	2,403	2,435	2,378
Total tier 2 capital	2,267	2,024	1,464	7,407	7,649	7,471
of which: low-trigger loss-absorbing tier 2 capital ¹	1,733	1,322	771	6,873	6,947	6,779
of which: non-Basel III-compliant tier 2 capital ⁴	534	702	693	534	702	693
TLAC-eligible senior unsecured debt	30,069	29,721	29,988	30,069	29,721	29,988
Total loss-absorbing capacity						
Total loss-absorbing capacity	86,774	86,305	82,251	86,774	86,305	82,251
Risk-weighted assets / leverage ratio denominator						
Risk-weighted assets	263,777	261,364	262,840	263,777	261,364	262,840
Leverage ratio denominator	901,926	911,601	904,458	901,926	911,601	904,458
Capital and loss-absorbing capacity ratios (%)						
Going concern capital ratio	19.7	19.9	18.4	17.8	17.8	16.1
of which: common equity tier 1 capital ratio	13.3	13.7	13.2	13.3	13.7	13.2
Gone concern loss-absorbing capacity ratio	13.2	13.1	12.9	15.1	15.2	15.2
Total loss-absorbing capacity ratio	32.9	33.0	31.3	32.9	33.0	31.3
Leverage ratios (%)						
Going concern leverage ratio	5.8	5.7	5.4	5.2	5.1	4.7
of which: common equity tier 1 leverage ratio	3.90	3.94	3.83	3.90	3.94	3.83
Gone concern leverage ratio	3.9	3.7	3.7	4.4	4.4	4.4
Total loss-absorbing capacity leverage ratio	9.6	9.5	9.1	9.6	9.5	9.1

¹ Under the transitional rules of the Swiss SRB framework, outstanding low-trigger loss-absorbing tier 2 capital instruments are subject to amortization starting five years prior to their maturity, with the amortized portion qualifying as gone concern loss-absorbing capacity. ² Instruments available to meet gone concern requirements are eligible until one year before maturity, with a haircut of 50% applied in the last year of eligibility. ³ The relevant capital instruments were issued after the new Swiss SRB framework had been implemented and therefore qualify as gone concern loss-absorbing capacity. ⁴ Non-Basel III-compliant tier 2 capital instruments qualify as gone concern instruments.

UBS Group AG vs UBS AG consolidated loss-absorbing capacity and leverage ratio information

Swiss SRB going and gone concern information (UBS Group AG vs UBS AG consolidated)

As of 30.9.19	Swiss SRB, including transitional arrangements			Swiss SRB as of 1.1.20		
	UBS Group AG (consolidated)	UBS AG (consolidated)	Difference	UBS Group AG (consolidated)	UBS AG (consolidated)	Difference
<i>USD million, except where indicated</i>						
Eligible going concern capital						
Total going concern capital	55,843	52,035	3,807	50,702	46,895	3,807
Total tier 1 capital	50,702	46,895	3,807	50,702	46,895	3,807
Common equity tier 1 capital	34,673	35,211	(538)	34,673	35,211	(538)
Total loss-absorbing additional tier 1 capital	16,029	11,684	4,345	16,029	11,684	4,345
of which: high-trigger loss-absorbing additional tier 1 capital	13,625	11,684	1,941	13,625	11,684	1,941
of which: low-trigger loss-absorbing additional tier 1 capital	2,404		2,404	2,404		2,404
Total tier 2 capital	5,140	5,140	0			
of which: low-trigger loss-absorbing tier 2 capital ¹	5,140	5,140	0			
Eligible gone concern capital²						
Total gone concern loss-absorbing capacity	32,336	34,739	(2,403)	37,476	39,879	(2,403)
Total tier 1 capital		2,403	(2,403)		2,403	(2,403)
of which: low-trigger loss-absorbing additional tier 1 capital		2,403 ³	(2,403)		2,403 ³	(2,403)
Total tier 2 capital	2,267	2,267	0	7,407	7,407	0
of which: low-trigger loss-absorbing tier 2 capital ¹	1,733	1,733	0	6,873	6,873	0
of which: non-Basel III-compliant tier 2 capital	534	534	0	534	534	0
TLAC-eligible senior unsecured debt	30,069	30,069	0	30,069	30,069	0
Total loss-absorbing capacity						
Total loss-absorbing capacity	88,178	86,774	1,404	88,178	86,774	1,404
Risk-weighted assets / leverage ratio denominator						
Risk-weighted assets	264,626	263,777	849	264,626	263,777	849
Leverage ratio denominator	901,914	901,926	(11)	901,914	901,926	(11)
Capital and loss-absorbing capacity ratios (%)						
Going concern capital ratio	21.1	19.7	1.4	19.2	17.8	1.4
of which: common equity tier 1 capital ratio	13.1	13.3	(0.2)	13.1	13.3	(0.2)
Gone concern loss-absorbing capacity ratio	12.2	13.2	(1.0)	14.2	15.1	(1.0)
Total loss-absorbing capacity ratio	33.3	32.9	0.4	33.3	32.9	0.4
Leverage ratios (%)						
Going concern leverage ratio	6.2	5.8	0.4	5.6	5.2	0.4
of which: common equity tier 1 leverage ratio	3.84	3.90	(0.06)	3.84	3.90	(0.06)
Gone concern leverage ratio	3.6	3.9	(0.3)	4.2	4.4	(0.3)
Total loss-absorbing capacity leverage ratio	9.8	9.6	0.2	9.8	9.6	0.2

¹ Under the transitional rules of the Swiss SRB framework, outstanding low-trigger loss-absorbing tier 2 capital instruments are subject to amortization starting five years prior to their maturity, with the amortized portion qualifying as gone concern loss-absorbing capacity. ² Instruments available to meet gone concern requirements are eligible until one year before maturity, with a haircut of 50% applied in the last year of eligibility. ³ The relevant capital instruments were issued after the new Swiss SRB framework had been implemented and therefore qualify as gone concern loss-absorbing capacity.

Reconciliation of IFRS equity to Swiss SRB common equity tier 1 capital (UBS Group AG vs UBS AG consolidated)

As of 30.9.19

<i>USD million</i>	UBS Group AG (consolidated)	UBS AG (consolidated)	Differences
Total IFRS equity	56,351	54,776	1,574
Equity attributable to non-controlling interests	(163)	(163)	0
Defined benefit plans, net of tax	(2,140)	(1,306)	(834)
Deferred tax assets recognized for tax loss carry-forwards	(6,333)	(6,333)	0
Deferred tax assets on temporary differences, excess over threshold	(119)	(57)	(62)
Goodwill, net of tax	(6,256)	(6,256)	0
Intangible assets, net of tax	(210)	(210)	0
Compensation-related components (not recognized in net profit)	(1,944)		(1,944)
Expected losses on advanced internal ratings-based portfolio less provisions	(458)	(458)	0
Unrealized (gains) / losses from cash flow hedges, net of tax	(1,749)	(1,749)	0
Own credit related to (gains) / losses on financial liabilities measured at fair value that existed at the balance sheet date, net of tax	(114)	(114)	0
Prudential valuation adjustments	(128)	(128)	0
Other ¹	(2,061)	(2,790)	729
Total common equity tier 1 capital	34,673	35,211	(538)

¹ Includes accruals for dividends to shareholders for the current year and other items.

Total loss-absorbing capacity and leverage ratio information under Swiss SRB rules applicable as of 1 January 2020

The going concern capital of UBS AG consolidated was USD 3.8 billion lower than the going concern capital of UBS Group AG consolidated as of 30 September 2019, primarily reflecting lower additional tier 1 (AT1) capital of USD 4.3 billion, partly offset by higher common equity tier 1 (CET1) capital of USD 0.5 billion. The gone concern loss-absorbing capacity of UBS AG consolidated was USD 2.4 billion higher, due to low-trigger loss-absorbing AT1 capital.

The CET1 capital of UBS AG consolidated was USD 0.5 billion higher than that of UBS Group AG consolidated, primarily due to the deductions for compensation-related regulatory capital components that are only reflected at the level of UBS Group AG consolidated. The effects of these deductions were partly offset by lower equity of UBS AG consolidated.

The going concern loss-absorbing AT1 capital of UBS AG consolidated was USD 4.3 billion lower than that of UBS Group AG consolidated and relates to low-trigger AT1 capital notes of USD 2.4 billion which UBS AG consolidated is treating as gone concern capital, as well as Deferred Contingent Capital Plan awards granted to eligible employees for the performance years 2014 to 2018.

The aforementioned difference of USD 2.4 billion in gone concern low-trigger AT1 capital relates to capital instruments that were on-lent to UBS AG after the new Swiss SRB framework had been implemented and are therefore not

recognized within going concern capital but qualify as gone concern loss-absorbing capacity. Issuances of low-trigger AT1 capital from UBS Group AG were all made prior to the implementation of the new Swiss SRB framework and therefore qualify as going concern capital.

Differences in capital between UBS Group AG consolidated and UBS AG consolidated related to employee compensation plans will reverse to the extent underlying services are performed by employees of, and are consequently charged to, UBS AG and its subsidiaries. Such reversal generally occurs over the service period of the employee compensation plans.

The leverage ratio framework for UBS AG consolidated is consistent with that of UBS Group AG consolidated. As of 30 September 2019, the going concern leverage ratio of UBS AG consolidated was 0.4 percentage points lower than that of UBS Group AG consolidated, mainly because the going concern capital of UBS AG consolidated was USD 3.8 billion lower.

- Refer to the “Capital management” section of the UBS Group third quarter 2019 report available under “Quarterly reporting” at www.ubs.com/investors for information about the developments of loss-absorbing capacity, risk-weighted assets and leverage ratio denominator for UBS Group AG consolidated
- Refer to the “Introduction” section of this report for more information about the differences in equity between UBS AG consolidated and UBS Group AG

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Consolidated financial statements

Unaudited

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UBS AG interim consolidated financial statements (unaudited)

Income statement

		For the quarter ended			Year-to-date	
USD million	Note	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Interest income from financial instruments measured at amortized cost and fair value through other comprehensive income	3	2,704	2,755	2,542	8,133	7,430
Interest expense from financial instruments measured at amortized cost	3	(1,805)	(1,986)	(1,673)	(5,703)	(4,683)
Interest income from financial instruments measured at fair value through profit or loss	3	1,211	1,259	1,116	3,815	3,327
Interest expense from financial instruments measured at fair value through profit or loss	3	(1,043)	(1,025)	(823)	(3,074)	(2,309)
Net interest income	3	1,067	1,003	1,161	3,171	3,765
Other net income from financial instruments measured at fair value through profit or loss		1,585	1,936	1,691	5,457	5,659
Credit loss (expense) / recovery	9	(38)	(12)	(10)	(70)	(64)
Fee and commission income	4	4,822	4,908	4,875	14,296	14,923
Fee and commission expense	4	(396)	(434)	(409)	(1,238)	(1,263)
Net fee and commission income	4	4,426	4,474	4,466	13,057	13,660
Other income	5	147	232	218	547	540
Total operating income		7,187	7,632	7,526	22,162	23,559
Personnel expenses	6	3,438	3,571	3,398	10,478	10,730
General and administrative expenses	7	2,101	2,004	2,277	6,131	6,981
Depreciation and impairment of property, equipment and software		387	381	269	1,148	758
Amortization and impairment of intangible assets		16	18	15	50	48
Total operating expenses		5,942	5,975	5,960	17,807	18,517
Operating profit / (loss) before tax		1,245	1,657	1,566	4,355	5,042
Tax expense / (benefit)	8	276	349	421	1,012	1,202
Net profit / (loss)		969	1,308	1,145	3,343	3,840
Net profit / (loss) attributable to non-controlling interests		1	1	3	0	6
Net profit / (loss) attributable to shareholders		967	1,307	1,142	3,343	3,834

Statement of comprehensive income

	For the quarter ended			Year-to-date	
USD million	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Comprehensive income attributable to shareholders					
Net profit / (loss)	967	1,307	1,142	3,343	3,834
Other comprehensive income that may be reclassified to the income statement					
Foreign currency translation					
Foreign currency translation movements related to net assets of foreign operations, before tax	(659)	294	31	(516)	(572)
Effective portion of changes in fair value of hedging instruments designated as net investment hedges, before tax	300	(121)	107	205	160
Foreign currency translation differences on foreign operations reclassified to the income statement	45	3	5	49	11
Effective portion of changes in fair value of hedging instruments designated as net investment hedges reclassified to the income statement	1	(13)	0	(12)	0
Income tax relating to foreign currency translations, including the impact of net investment hedges	0	(2)	(2)	0	(2)
Subtotal foreign currency translation, net of tax	(314)	161	141	(275)	(403)
Financial assets measured at fair value through other comprehensive income					
Net unrealized gains / (losses), before tax	30	90	(25)	201	(124)
Impairment charges reclassified to the income statement from equity	0	0	0	0	0
Realized gains reclassified to the income statement from equity	(26)	(2)	0	(30)	0
Realized losses reclassified to the income statement from equity	1	1	0	2	0
Income tax relating to net unrealized gains / (losses)	(4)	(24)	6	(45)	35
Subtotal financial assets measured at fair value through other comprehensive income, net of tax	0	65	(18)	128	(89)
Cash flow hedges of interest rate risk					
Effective portion of changes in fair value of derivative instruments designated as cash flow hedges, before tax	542	987	(257)	2,116	(859)
Net (gains) / losses reclassified to the income statement from equity	(49)	(24)	(46)	(93)	(251)
Income tax relating to cash flow hedges	(76)	(191)	65	(374)	224
Subtotal cash flow hedges, net of tax	417	773	(237)	1,649	(885)
Total other comprehensive income that may be reclassified to the income statement, net of tax	103	999	(115)	1,501	(1,378)
Other comprehensive income that will not be reclassified to the income statement					
Defined benefit plans					
Gains / (losses) on defined benefit plans, before tax	1,459	18	(45)	1,317	171
Income tax relating to defined benefit plans	(283)	(7)	2	(306)	26
Subtotal defined benefit plans, net of tax	1,176	11	(43)	1,011	197
Own credit on financial liabilities designated at fair value					
Gains / (losses) from own credit on financial liabilities designated at fair value, before tax	1	72	(289)	(253)	141
Income tax relating to own credit on financial liabilities designated at fair value	0	0	2	8	0
Subtotal own credit on financial liabilities designated at fair value, net of tax	1	72	(288)	(245)	141
Total other comprehensive income that will not be reclassified to the income statement, net of tax	1,177	83	(331)	767	338
Total other comprehensive income	1,280	1,082	(446)	2,268	(1,040)
Total comprehensive income attributable to shareholders	2,248	2,389	696	5,611	2,795

Statement of comprehensive income (continued)

	For the quarter ended			Year-to-date	
<i>USD million</i>	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Comprehensive income attributable to non-controlling interests					
Net profit / (loss)	1	1	3	0	6
Other comprehensive income that will not be reclassified to the income statement					
Foreign currency translation movements, before tax	(6)	(6)	1	(8)	(2)
Income tax relating to foreign currency translation movements	0	0	0	0	0
Subtotal foreign currency translation, net of tax	(6)	(6)	1	(8)	(2)
Total other comprehensive income that will not be reclassified to the income statement, net of tax	(6)	(6)	1	(8)	(2)
Total comprehensive income attributable to non-controlling interests	(5)	(5)	4	(8)	4
Total comprehensive income					
Net profit / (loss)	969	1,308	1,145	3,343	3,840
Other comprehensive income	1,274	1,076	(445)	2,260	(1,042)
of which: other comprehensive income that may be reclassified to the income statement	103	999	(115)	1,501	(1,378)
of which: other comprehensive income that will not be reclassified to the income statement	1,171	77	(330)	759	336
Total comprehensive income	2,243	2,384	700	5,603	2,798

Balance sheet

<i>USD million</i>	Note	30.9.19	30.6.19	31.12.18
Assets				
Cash and balances at central banks		91,292	101,457	108,370
Loans and advances to banks		12,938	12,682	16,642
Receivables from securities financing transactions		91,954	92,919	95,349
Cash collateral receivables on derivative instruments	11	25,659	23,774	23,603
Loans and advances to customers	9	321,666	324,288	321,482
Other financial assets measured at amortized cost	12	23,597	22,225	22,637
Total financial assets measured at amortized cost		567,107	577,345	588,084
Financial assets at fair value held for trading	10	116,020	120,232	104,513
<i>of which: assets pledged as collateral that may be sold or repledged by counterparties</i>		<i>40,412</i>	<i>36,010</i>	<i>32,121</i>
Derivative financial instruments	10, 11	134,242	121,687	126,212
Brokerage receivables	10	17,653	16,915	16,840
Financial assets at fair value not held for trading	10	92,869	89,269	82,387
Total financial assets measured at fair value through profit or loss		360,783	348,103	329,953
Financial assets measured at fair value through other comprehensive income	10	6,993	7,422	6,667
Investments in associates		1,009	1,049	1,099
Property, equipment and software		11,559	11,725	8,479
Goodwill and intangible assets		6,560	6,624	6,647
Deferred tax assets		9,456	9,545	10,066
Other non-financial assets	12	8,580	6,833	7,062
Total assets		972,048	968,645	958,055

Balance sheet (continued)

USD million	Note	30.9.19	30.6.19	31.12.18
Liabilities				
Amounts due to banks		8,235	9,494	10,962
Payables from securities financing transactions		5,570	6,798	10,296
Cash collateral payables on derivative instruments	11	32,291	31,449	28,906
Customer deposits		429,143	435,582	421,986
Funding from UBS Group AG and its subsidiaries		47,554	45,224	41,202
Debt issued measured at amortized cost	14	69,739	75,679	91,245
Other financial liabilities measured at amortized cost	12	11,062	10,927	7,576
Total financial liabilities measured at amortized cost		603,594	615,153	612,174
Financial liabilities at fair value held for trading	10	33,502	32,277	28,949
Derivative financial instruments	10, 11	131,435	121,087	125,723
Brokerage payables designated at fair value	10	38,260	36,929	38,420
Debt issued designated at fair value	10, 13	66,709	67,984	57,031
Other financial liabilities designated at fair value	10, 12	34,782	34,407	33,594
Total financial liabilities measured at fair value through profit or loss		304,689	292,684	283,717
Provisions	15	2,928	2,978	3,457
Other non-financial liabilities	12	6,059	5,301	6,275
Total liabilities		917,271	916,116	905,624
Equity				
Share capital		338	338	338
Share premium		24,660	24,654	24,655
Retained earnings		24,175	22,017	23,317
Other comprehensive income recognized directly in equity, net of tax		5,440	5,350	3,946
Equity attributable to shareholders		54,613	52,359	52,256
Equity attributable to non-controlling interests		163	170	176
Total equity		54,776	52,529	52,432
Total liabilities and equity		972,048	968,645	958,055

Statement of changes in equity

<i>USD million</i>	Share capital	Share premium	Retained earnings
Balance as of 1 January 2018	338	24,633	21,646
Issuance of share capital			
Premium on shares issued and warrants exercised		23	
Tax (expense) / benefit		6	
Dividends			(3,098)
Translation effects recognized directly in retained earnings			(22)
New consolidations / (deconsolidations) and other increases / (decreases)		(8)	
Total comprehensive income for the period			4,172
<i>of which: net profit / (loss)</i>			<i>3,834</i>
<i>of which: other comprehensive income (OCI) that may be reclassified to the income statement, net of tax</i>			
<i>of which: OCI that will not be reclassified to the income statement, net of tax – defined benefit plans</i>			<i>197</i>
<i>of which: OCI that will not be reclassified to the income statement, net of tax – own credit</i>			<i>141</i>
<i>of which: OCI that will not be reclassified to the income statement, net of tax – foreign currency translation</i>			
Balance as of 30 September 2018	338	24,654	22,700
Balance as of 1 January 2019 before the adoption of IFRIC 23	338	24,655	23,317
Effect of adoption of IFRIC 23 ²			(11)
Balance as of 1 January 2019 after the adoption of IFRIC 23	338	24,655	23,306
Issuance of share capital			
Premium on shares issued and warrants exercised			
Tax (expense) / benefit		10	
Dividends			(3,250)
Translation effects recognized directly in retained earnings			8
New consolidations / (deconsolidations) and other increases / (decreases)		(5)	
Total comprehensive income for the period			4,110
<i>of which: net profit / (loss)</i>			<i>3,343</i>
<i>of which: other comprehensive income (OCI) that may be reclassified to the income statement, net of tax</i>			
<i>of which: OCI that will not be reclassified to the income statement, net of tax – defined benefit plans</i>			<i>1,011</i>
<i>of which: OCI that will not be reclassified to the income statement, net of tax – own credit</i>			<i>(245)</i>
<i>of which: OCI that will not be reclassified to the income statement, net of tax – foreign currency translation</i>			
Balance as of 30 September 2019	338	24,660	24,175

¹ Excludes defined benefit plans and own credit that are recorded directly in Retained earnings. ² Refer to "Note 1d International Financial Reporting Standards and Interpretations to be adopted in 2019 and later and other changes" in the "Consolidated financial statements" section of the Annual Report 2018 for more information about IFRIC 23, Uncertainty over Income Tax Treatments, which UBS AG adopted from 1 January 2019.

Other comprehensive income recognized directly in equity, net of tax ¹	foreign currency translation	of which: financial assets measured at fair value through OCI	of which: cash flow hedges	Total equity attributable to shareholders	Non-controlling interests	Total equity
4,754	4,455	(61)	360	51,370	59	51,429
				0		0
				23		23
				6		6
				(3,098)	(7)	(3,104)
22		3	18	0		0
				(8)	(17)	(24)
(1,378)	(403)	(89)	(885)	2,795	4	2,798
				3,834	6	3,840
(1,378)	(403)	(89)	(885)	(1,378)		(1,378)
				197		197
				141		141
				0	(2)	(2)
3,398	4,052	(147)	(507)	51,089	39	51,128
3,946	3,940	(103)	109	52,256	176	52,432
				(11)		(11)
3,946	3,940	(103)	109	52,245	176	52,421
				0		0
				0		0
				10		10
				(3,250)	(6)	(3,256)
(8)		0	(8)	0		0
				(5)	2	(3)
1,501	(275)	128	1,649	5,611	(8)	5,603
				3,343	0	3,343
1,501	(275)	128	1,649	1,501		1,501
				1,011		1,011
				(245)		(245)
				0	(8)	(8)
5,440	3,665	25	1,749	54,613	163	54,776

Statement of cash flows

	Year-to-date	
<i>USD million</i>	30.9.19	30.9.18
Cash flow from / (used in) operating activities		
Net profit / (loss)	3,343	3,840
Non-cash items included in net profit and other adjustments:		
Depreciation and impairment of property, equipment and software	1,148	758
Amortization and impairment of intangible assets	50	48
Credit loss expense / (recovery)	70	64
Share of net profits of associates / joint ventures and impairment of associates	(32)	(48)
Deferred tax expense / (benefit)	451	612
Net loss / (gain) from investing activities	(42)	(28)
Net loss / (gain) from financing activities	3,281	2,449
Other net adjustments	(755)	(70)
Net change in operating assets and liabilities:		
Loans and advances to banks / amounts due to banks	(2,596)	2,475
Securities financing transactions	(1,515)	1,097
Cash collateral on derivative instruments	1,352	(435)
Loans and advances to customers	(3,880)	(8,516)
Customer deposits	12,590	(1,934)
Financial assets and liabilities at fair value held for trading and derivative financial instruments	(5,471)	(6,631)
Brokerage receivables and payables	(969)	7,692
Financial assets at fair value not held for trading, other financial assets and liabilities	(10,103)	6,333
Provisions, other non-financial assets and liabilities	132	(151)
Income taxes paid, net of refunds	(651)	(724)
Net cash flow from / (used in) operating activities	(3,596)	6,833
Cash flow from / (used in) investing activities		
Purchase of subsidiaries, associates and intangible assets	(25)	(17)
Disposal of subsidiaries, associates and intangible assets ¹	110	126
Purchase of property, equipment and software	(1,012)	(1,040)
Disposal of property, equipment and software	8	105
Purchase of financial assets measured at fair value through other comprehensive income	(3,130)	(1,097)
Disposal and redemption of financial assets measured at fair value through other comprehensive income	2,958	1,098
Net (purchase) / redemption of debt securities measured at amortized cost	(736)	(2,157)
Net cash flow from / (used in) investing activities	(1,827)	(2,981)

Statement of cash flows (continued)

	Year-to-date	
<i>USD million</i>	30.9.19	30.9.18
Cash flow from / (used in) financing activities		
Net short-term debt issued / (repaid)	(12,814)	(7,536)
Distributions paid on UBS shares	(3,250)	(3,098)
Issuance of long-term debt, including debt issued designated at fair value	44,677	46,490
Repayment of long-term debt, including debt issued designated at fair value	(47,574)	(36,055)
Funding from UBS Group AG and its subsidiaries	5,384	4,080
Net changes in non-controlling interests	(6)	14
Net cash flow from / (used in) financing activities	(13,583)	3,895
Total cash flow		
Cash and cash equivalents at the beginning of the period	125,853	104,787
Net cash flow from / (used in) operating, investing and financing activities	(19,006)	7,746
Effects of exchange rate differences on cash and cash equivalents	(1,486)	(1,770)
Cash and cash equivalents at the end of the period²	105,361	110,763
<i>of which: cash and balances at central banks</i>	91,180	94,276
<i>of which: loans and advances to banks</i>	11,837	14,052
<i>of which: money market paper³</i>	2,344	2,434

Additional information

Net cash flow from / (used in) operating activities includes:

Interest received in cash	11,717	10,548
Interest paid in cash	8,830	7,011
Dividends on equity investments, investment funds and associates received in cash ⁴	2,632	1,938

¹ Includes dividends received from associates. ² USD 2,245 million and USD 3,112 million of cash and cash equivalents (mainly reflected in Loans and advances to banks) were restricted as of 30 September 2019 and 30 September 2018, respectively. Refer to "Note 26 Restricted and transferred financial assets" in the "Consolidated financial statements" section in the Annual Report 2018 for more information. ³ Money market paper is included in the balance sheet under Financial assets at fair value held for trading. Financial assets measured at fair value through other comprehensive income, Financial assets at fair value not held for trading and Other financial assets measured at amortized cost. ⁴ Includes dividends received from associates reported within Net cash flow from / (used in) investing activities.

Notes to the UBS AG interim consolidated financial statements (unaudited)

Note 1 Basis of accounting

Basis of preparation

The consolidated financial statements (the financial statements) of UBS AG and its subsidiaries (together, "UBS AG") are prepared in accordance with International Financial Reporting Standards (IFRS), as issued by the International Accounting Standards Board (IASB), and are presented in US dollars (USD), which is also the functional currency of UBS AG's Head Office, UBS AG's London Branch and UBS AG's US-based operations. These interim financial statements are prepared in accordance with IAS 34, *Interim Financial Reporting*.

In preparing these interim financial statements, the same accounting policies and methods of computation have been applied as in the UBS AG consolidated annual financial statements for the period ended 31 December 2018, except for the changes described in this note. These interim financial statements are unaudited and should be read in conjunction with UBS AG's audited consolidated financial statements included in the Annual Report 2018. In the opinion of management, all necessary adjustments were made for a fair presentation of UBS AG's financial position, results of operations and cash flows.

Preparation of these interim financial statements requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, income, expenses and disclosures of contingent assets and liabilities. These estimates and assumptions are based on the best available information. Actual results in the future could differ from such estimates and such differences may be material to the financial statements. Revisions to estimates, based on regular reviews, are recognized in the period in which they occur. For more information about areas of estimation uncertainty that are considered to require critical judgment, refer to "Note 1a Significant accounting policies" in the "Consolidated financial statements" section of the Annual Report 2018.

Adoption of IFRS 16, *Leases*

Application and transition effect

Effective from 1 January 2019, UBS AG adopted IFRS 16, *Leases*, which replaced IAS 17, *Leases*, and sets out the principles for the recognition, measurement, presentation and disclosure of leases.

IFRS 16 introduces a single lessee accounting model and fundamentally changes how UBS AG accounts for operating leases when acting as a lessee, with a requirement to record a right-of-use asset and lease liability on the balance sheet. UBS AG is a lessee in a number of leases, primarily of real estate, including offices, retail branches and sales offices, with a smaller number of IT hardware leases. As permitted by the transitional provisions of IFRS 16, UBS AG elected to apply the modified retrospective approach and has not restated comparative figures. Overall, adoption of IFRS 16 resulted in a USD 3.4 billion increase in both total assets and total liabilities in UBS AG's consolidated financial statements. There was no effect on equity.

→ Refer to the tables on the next page for more information

UBS AG applied the following practical expedients that are permitted on transition to IFRS 16 where UBS AG is the lessee in a lease previously classified as an operating lease:

- to not reassess whether or not a contract contained a lease;
- to rely on previous assessments of whether such contracts were considered onerous;
- to rely on previous sale-and-leaseback assessments;
- to adjust lease terms with the benefit of hindsight with respect to whether extension or termination options are reasonably certain of being exercised;
- to discount lease liabilities using UBS AG's incremental borrowing rate in each currency as at 1 January 2019;
- to initially measure the right-of-use asset at an amount equal to the lease liability for leases previously classified as operating leases, adjusted for existing lease balances such as rent prepayments, rent accruals, lease incentives and onerous lease provisions, but excluding initial direct costs; and
- to not apply IFRS 16 to leases in which the remaining term will end within 12 months from the transition date.

Note 1 Basis of accounting (continued)

The measurement of leases previously classified as finance leases where UBS AG acts as a lessee has not changed on transition to IFRS 16. Similarly, UBS AG has made no adjustments where UBS AG acts as a lessor, in either a finance or operating lease, of physical assets it owns. Where UBS AG acts as an intermediate lessor, i.e., where UBS AG enters into a head lease and sub-leases the asset to a third party, the sub-lease has been

classified as either a finance or operating lease based primarily on whether the sub-lease term consumes the majority of the remaining useful life of the right-of-use asset arising from the head lease as at the transition date.

The following table reconciles the obligations in respect of operating leases as at 31 December 2018 to the opening lease liabilities recognized on 1 January 2019:

Reconciliation between operating lease commitments disclosed under IAS 17 and lease liabilities recognized under IFRS 16

<i>USD million</i>	
Total undiscounted operating lease commitments as of 31 December 2018	4,546
Leases with a remaining term of less than one year as of 1 January 2019	(18)
Excluded service components	(296)
Reassessment of lease term for extension or termination options	424
Total undiscounted lease payments	4,657
Discounted at a weighted average incremental borrowing rate of 3.07%	(720)
IFRS 16 transition adjustment	3,937
Finance lease liabilities as of 31 December 2018	19
Carrying amount of total lease liabilities as of 1 January 2019	3,956

The following table provides details on the determination of right-of-use assets on transition:

Determination of right-of-use (RoU) assets on transition

<i>USD million</i>	Carrying amount
Recognition of gross RoU assets upon adoption of IFRS 16 (IFRS 16 transition adjustment)	3,937
Offset by liabilities recognized as of 31 December 2018	(515)
<i>of which: other non-financial liabilities (lease incentives)</i>	<i>(204)</i>
<i>of which: other financial liabilities measured at amortized cost (rent accruals)</i>	<i>(180)</i>
<i>of which: provisions (onerous lease provisions)</i>	<i>(131)</i>
Increase in total assets resulting from the adoption of IFRS 16 on 1 January 2019¹	3,422
Reclassification of assets recognized as of 31 December 2018 as an addition to RoU assets	38
<i>of which: other financial assets measured at amortized cost (finance lease assets recognized under IAS 17 as of 31 December 2018)</i>	<i>19</i>
<i>of which: other non-financial assets (prepaid rent)</i>	<i>19</i>
Reclassification of finance lease receivables from subleases to other financial assets measured at amortized cost resulting in a reduction of RoU assets	(176)
Total right-of-use assets as of 1 January 2019 presented within Property, equipment and software	3,284

¹ Total liabilities increased by the same amount upon adoption of IFRS 16.

Lease liabilities are presented within *Other financial liabilities measured at amortized cost* and right-of-use assets within *Property, equipment and software*. Finance lease receivables are included within *Other financial assets measured at amortized cost*. Due to the practical expedients taken on transition, there was no effect on equity. The weighted average lease term on 1 January 2019 was approximately 9 years.

During the third quarter of 2019 the depreciation expense for right-of-use assets presented within *Depreciation and impairment of property, equipment and software* was USD 112 million (second quarter of 2019: USD 113 million; first quarter of 2019: USD 113 million). The interest expense on lease liabilities

presented within *Interest expense from financial instruments measured at amortized cost* was USD 29 million (second quarter of 2019: USD 30 million; first quarter of 2019: USD 30 million) and other rent expenses (including non-lease components paid to landlords) presented within *General and administrative expenses* were USD 14 million (second quarter of 2019: USD 12 million; first quarter of 2019: USD 16 million). This compares with total rent expenses presented in *General and administrative expenses* of USD 142 million, USD 143 million and USD 147 million for the quarters ended 30 September 2018, 30 June 2018 and 31 March 2018, respectively.

Note 1 Basis of accounting (continued)**Update to significant accounting policy – Leasing (disclosed in “Note 1a item 15 Leasing” in the “Consolidated financial statements” section of the Annual Report 2018)**

UBS AG predominantly enters into lease contracts, or contracts that include lease components, as a lessee of real estate, including offices, retail branches and sales offices, with a small number of IT hardware leases. UBS AG identifies non-lease components of a contract and accounts for them separately from lease components.

When UBS AG is a lessee in a lease arrangement, UBS AG recognizes a lease liability and corresponding right-of-use asset at the commencement of the lease term when UBS AG acquires control of the physical use of the asset. Lease liabilities are presented within *Other financial liabilities measured at amortized cost* and right-of-use assets within *Property, equipment and software*. The lease liability is measured based on the present value of the lease payments over the lease term, discounted using UBS AG's unsecured borrowing rate given that the rate implicit in a lease is generally not observable to the lessee. Interest expense on the lease liability is presented within *Interest expense from financial instruments measured at amortized cost*. The right-of-use asset is recorded at an amount equal to the lease liability but is adjusted for rent prepayments, initial direct costs, any costs to refurbish the leased asset or lease incentives received. The right-of-use asset is depreciated over the shorter of the lease term or the useful life of the underlying asset, with the depreciation presented within *Depreciation and impairment of property, equipment and software*.

Lease payments generally include fixed payments and variable payments that depend on an index (such as an inflation index). When a lease contains an extension or termination option that UBS AG considers reasonably certain to be exercised, the expected rental payments or costs of termination are included within the lease payments used to generate the lease liability. UBS AG does not typically enter into leases with purchase options or residual value guarantees.

Where UBS AG acts as a lessor or sub-lessor under a finance lease, a receivable is recognized in *Other financial assets measured at amortized cost* at an amount equal to the present value of the aggregate of the lease payments plus any unguaranteed residual value that UBS AG expects to recover at the end of the lease term. Initial direct costs are also included in the initial measurement of the lease receivable. Lease payments received during the lease term are allocated as repayments of the outstanding receivable. Interest income reflects a constant periodic rate of return on UBS AG's net investment using the interest rate implicit in the lease (or, for sub-leases, the rate for the head lease). UBS AG reviews the estimated unguaranteed

residual value annually, and if the estimated residual value to be realized is less than the amount assumed at lease inception, a loss is recognized for the expected shortfall. Where UBS AG acts as a lessor or sub-lessor in an operating lease, UBS AG recognizes the operating lease income on a straight-line basis over the lease term.

Lease receivables are subject to impairment requirements as set out in “Note 1a item 3g” in the “Consolidated financial statements” section of the Annual Report 2018. Expected credit losses (ECL) on lease receivables are determined following the general impairment model within IFRS 9, *Financial Instruments*, without utilizing the simplified approach of always measuring impairment at the amount of lifetime ECL.

Other changes to accounting policies**Changes in Corporate Center segment reporting, cost and resource allocation to business divisions**

Effective from 1 January 2019, UBS AG made changes to Corporate Center segment reporting, as well as cost and resource allocation to business divisions.

→ Refer to Note 2 for more information

Presentation of dividend income and expense from financial instruments measured at fair value through profit or loss

Effective from 1 January 2019, UBS AG refined the presentation of dividend income and expense. This resulted in a reclassification of dividends from *Interest income (expense) from financial instruments measured at fair value through profit or loss* into *Other net income from financial instruments measured at fair value through profit or loss* (prior to 1 January 2019: *Other net income from fair value changes on financial instruments*). The change aligns the presentation of dividends with related fair value changes from the equity instruments and economic hedges removing volatility that has historically arisen within both *Net interest income* and *Other net income from fair value changes on financial instruments*. There is no effect on *Total operating income* or *Net profit / (loss)*. Prior periods have been restated for this presentational change and the effect on the respective reporting lines is outlined in the table below.

Refer to “Note 1d International Financial Reporting Standards and Interpretations to be adopted in 2019 and later and other changes” in the “Consolidated financial statements” section of the Annual Report 2018 for further details on standards adopted by UBS AG from 1 January 2019, none of which had a material effect on UBS AG's financial statements.

Note 1 Basis of accounting (continued)

Changes to the presentation of dividend income and expense from financial instruments measured at fair value through profit or loss

USD million	For the quarter ended				For the year ended
	31.3.18	30.6.18	30.9.18	31.12.18	31.12.18
Interest income from financial instruments measured at fair value through profit or loss	(572)	(636)	(699)	(401)	(2,308)
Interest expense from financial instruments measured at fair value through profit or loss	160	846	175	151	1,331
Net interest income	(412)	210	(524)	(250)	(976)
Other net income from financial instruments measured at fair value through profit or loss	412	(210)	524	250	976

Changes in accounting standards to be adopted in future reporting periods

Amendments to IAS 39, IFRS 9 and IFRS 7 (*Interest Rate Benchmark Reform*)

In September 2019, the IASB issued *Interest Rate Benchmark Reform, Amendments to IFRS 9, IAS 39 and IFRS 7*, enabling hedge accounting to continue during the period of uncertainty before existing interest rate benchmarks are replaced with alternative risk-free interest rates. The amendments are mandatorily effective from 1 January 2020, with early adoption permitted, and apply to hedge relationships that exist at the beginning of the reporting period or are designated thereafter,

and to the gains or losses that exist in OCI on adoption. Adopting these amendments will allow UBS AG to maintain current hedge accounting relationships and to assume that the current benchmark rates will continue to exist, with no consequential impact on the financial statements. In addition, the amendments bring in a number of new disclosure requirements to provide detail on the effects arising from the change in interest rate benchmarks. UBS AG is continuing to assess the effects of the amendments and will shortly determine whether it expects to early adopt the revisions in the fourth quarter of 2019 or instead from their mandatory effective date in the first quarter of 2020.

Note 2 Segment reporting

Overview and changes in Corporate Center segment reporting

UBS AG's businesses are organized globally into four business divisions: Global Wealth Management, Personal & Corporate Banking, Asset Management and the Investment Bank. All four business divisions are supported by Corporate Center and qualify as reportable segments for the purpose of segment reporting. Together with Corporate Center they reflect the management structure of UBS AG.

→ Refer to "Note 1a Significant accounting policies item 2" and "Note 2 Segment reporting" in the "Consolidated financial statements" section of the Annual Report 2018 for more information about UBS AG's reporting segments

As a consequence of a substantial reduction in the Non-core and Legacy Portfolio and following changes to UBS AG's methodology for allocating Corporate Center costs to the business divisions, beginning with the first quarter 2019 report, UBS AG provides results for total Corporate Center only and does not separately report Corporate Center – Services, Group Asset and Liability Management and Non-core and Legacy Portfolio.

USD million	Global Wealth Management	Personal & Corporate Banking	Asset Management	Investment Bank	Corporate Center	UBS AG
For the nine months ended 30 September 2019¹						
Net interest income	2,953	1,492	(19)	(592)	(662)	3,171
Non-interest income	9,260	1,372	1,406	6,203	820	19,061
Income	12,213	2,864	1,386	5,611	158	22,232
Credit loss (expense) / recovery	(11)	(29)	0	(24)	(7)	(70)
Total operating income	12,203	2,835	1,386	5,587	151	22,162
Personnel expenses	5,706	646	536	2,187	1,403	10,478
General and administrative expenses	917	167	143	475	4,429	6,131
Services (to) / from Corporate Center and other business divisions	2,951	881	355	2,144	(6,331)	0
<i>of which: services from Corporate Center</i>	<i>2,833</i>	<i>963</i>	<i>388</i>	<i>2,184</i>	<i>(6,368)</i>	<i>0</i>
Depreciation and impairment of property, equipment and software	4	10	1	5	1,128	1,148
Amortization and impairment of intangible assets	42	0	0	5	3	50
Total operating expenses	9,621	1,703	1,035	4,816	631	17,807
Operating profit / (loss) before tax	2,581	1,132	351	771	(481)	4,355
Tax expense / (benefit)						1,012
Net profit / (loss)						3,343
As of 30 September 2019						
Total assets	311,705	202,447	32,156	325,176	100,564	972,048

Note 2 Segment reporting (continued)

USD million	Global Wealth Management	Personal & Corporate Banking	Asset Management	Investment Bank	Corporate Center	UBS AG
For the nine months ended 30 September 2018¹						
Net interest income ²	3,073	1,532	(22)	(272)	(547)	3,765
Non-interest income ²	9,587	1,391	1,406	6,812	663	19,858
Income	12,660	2,923	1,384	6,540	117	23,623
Credit loss (expense) / recovery	(4)	(39)	0	(20)	(1)	(64)
Total operating income	12,656	2,884	1,384	6,519	116	23,559
Personnel expenses	5,799	615	537	2,402	1,377	10,730
General and administrative expenses	942	179	148	446	5,266	6,981
Services (to) / from Corporate Center and other business divisions	2,981	926	378	2,134	(6,419)	0
<i>of which: services from Corporate Center</i>	<i>2,885</i>	<i>1,004</i>	<i>411</i>	<i>2,172</i>	<i>(6,472)</i>	<i>0</i>
Depreciation and impairment of property, equipment and software	3	10	1	6	738	758
Amortization and impairment of intangible assets	36	0	1	10	1	48
Total operating expenses	9,760	1,730	1,065	4,999	964	18,517
Operating profit / (loss) before tax	2,896	1,154	320	1,521	(848)	5,042
Tax expense / (benefit)						1,202
Net profit / (loss)						3,840

As of 31 December 2018

Total assets¹	313,737	200,767	28,140	302,434	112,977	958,055
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¹ Prior-period information for the nine months ended 30 September 2018 has been restated to reflect the changed approach used for allocating Corporate Center funding costs and expenses to the business divisions and the updated fund transfer pricing framework, resulting in a decrease in Operating profit / (loss) before tax for Global Wealth Management of USD 270 million, for Personal & Corporate Banking of USD 85 million, for Asset Management of USD 18 million and for the Investment Bank of USD 122 million, with a corresponding increase for Corporate Center of USD 495 million. Additionally, Total assets as of 31 December 2018, has been restated to reflect the changed approach used for allocating balance sheet resources from Corporate Center to the business divisions, predominantly from high-quality liquid assets, resulting in an increase of Total assets in Global Wealth Management of USD 114 billion, in Personal & Corporate Banking of USD 62 billion, in Asset Management of USD 4 billion and in the Investment Bank of USD 44 billion, with a corresponding decrease of assets in Corporate Center of USD 223 billion. Upon adoption of IFRS 16, Leases, as of 1 January 2019, UBS AG additionally allocated approximately USD 3.4 billion of newly recognized right-of-use assets and finance lease receivables to the business divisions. ² Effective from the first quarter of 2019, UBS AG refined the presentation of dividend income and expense, reclassifying dividends from financial instruments measured at fair value through profit or loss from Net interest income to Non-interest income. Prior-period information was restated accordingly, with virtually all of the effect on UBS AG arising from the Investment Bank. Refer to Note 1 for more information.

Note 3 Net interest income¹

USD million	For the quarter ended			Year-to-date	
	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Net interest income from financial instruments measured at amortized cost and fair value through other comprehensive income					
Interest income from loans and deposits ²	2,009	2,070	1,944	6,107	5,766
Interest income from securities financing transactions ³	521	545	398	1,564	1,100
Interest income from other financial instruments measured at amortized cost	91	83	108	270	176
Interest income from debt instruments measured at fair value through other comprehensive income	31	27	39	83	112
Interest income from derivative instruments designated as cash flow hedges	53	29	53	108	275
Total interest income from financial instruments measured at amortized cost and fair value through other comprehensive income	2,704	2,755	2,542	8,133	7,430
Interest expense on loans and deposits ⁴	1,145	1,228	936	3,510	2,514
Interest expense on securities financing transactions ⁵	285	324	278	897	847
Interest expense on debt issued	347	404	459	1,207	1,323
Interest expense on lease liabilities ⁶	29	30		89	0
Total interest expense from financial instruments measured at amortized cost	1,805	1,986	1,673	5,703	4,683
Total net interest income from financial instruments measured at amortized cost and fair value through other comprehensive income	899	769	868	2,430	2,746
Net interest income from financial instruments measured at fair value through profit or loss					
Net interest income from financial instruments at fair value held for trading	216	327	243	977	752
Net interest income from brokerage balances	92	43	134	212	471
Interest income from financial instruments at fair value not held for trading	624	575	445	1,720	1,218
Other interest income	44	42	48	131	165
Interest expense on financial instruments designated at fair value	(807)	(753)	(577)	(2,299)	(1,587)
Total net interest income from financial instruments measured at fair value through profit or loss	168	234	293	741	1,018
Total net interest income	1,067	1,003	1,161	3,171	3,765

¹ Effective from the first quarter of 2019, UBS AG refined the presentation of dividend income and expense, reclassifying dividends from Interest income (expense) from financial instruments measured at fair value through profit or loss to Other net income from financial instruments measured at fair value through profit or loss. Prior-year comparative information was restated accordingly. Refer to Note 1 for more information.

² Consists of interest income from cash and balances at central banks, loans and advances to banks and customers, cash collateral receivables on derivative instruments, and negative interest on amounts due to banks and customer deposits. ³ Includes interest income on receivables from securities financing transactions and negative interest, including fees, on payables from securities financing transactions. ⁴ Consists of interest expense on amounts due to banks, cash collateral payables on derivative instruments, customer deposits, funding from UBS Group AG and its subsidiaries and negative interest on cash and balances at central banks, loans and advances to banks. ⁵ Includes interest expense on payables from securities financing transactions and negative interest, including fees, on receivables from securities financing transactions. ⁶ Relates to lease liabilities recognized upon adoption of IFRS 16 on 1 January 2019. Refer to Note 1 for more information.

Note 4 Net fee and commission income

	For the quarter ended			Year-to-date	
USD million	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Fee and commission income					
Underwriting fees	184	224	210	588	659
<i>of which: equity underwriting fees</i>	71	118	98	237	313
<i>of which: debt underwriting fees</i>	113	105	113	350	346
M&A and corporate finance fees	204	296	261	616	646
Brokerage fees	800	826	786	2,454	2,699
Investment fund fees	1,200	1,196	1,221	3,572	3,727
Portfolio management and related services	1,958	1,915	1,949	5,677	5,820
Other	477	451	448	1,388	1,373
Total fee and commission income¹	4,822	4,908	4,875	14,296	14,923
<i>of which: recurring</i>	<i>3,195</i>	<i>3,136</i>	<i>3,240</i>	<i>9,329</i>	<i>9,691</i>
<i>of which: transaction-based</i>	<i>1,613</i>	<i>1,749</i>	<i>1,617</i>	<i>4,903</i>	<i>5,172</i>
<i>of which: performance-based</i>	<i>14</i>	<i>23</i>	<i>19</i>	<i>64</i>	<i>59</i>
Fee and commission expense					
Brokerage fees paid	68	88	63	235	228
Other	328	345	346	1,003	1,035
Total fee and commission expense	396	434	409	1,238	1,263
Net fee and commission income	4,426	4,474	4,466	13,057	13,660
<i>of which: net brokerage fees</i>	<i>732</i>	<i>738</i>	<i>723</i>	<i>2,218</i>	<i>2,470</i>

¹ Reflects third-party fee and commission income for the third quarter of 2019 of USD 2,989 million for Global Wealth Management (second quarter of 2019: USD 2,946 million; third quarter of 2018: USD 2,971 million), USD 333 million for Personal & Corporate Banking (second quarter of 2019: USD 327 million; third quarter of 2018: USD 340 million), USD 644 million for Asset Management (second quarter of 2019: USD 647 million; third quarter of 2018: USD 637 million), USD 838 million for the Investment Bank (second quarter of 2019: USD 962 million; third quarter of 2018: USD 907 million) and USD 18 million for Corporate Center (second quarter of 2019: USD 25 million; third quarter of 2018: USD 21 million).

Note 5 Other income

	For the quarter ended			Year-to-date	
USD million	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Associates, joint ventures and subsidiaries					
Net gains / (losses) from acquisitions and disposals of subsidiaries ¹	(46)	10	20	(35)	19
Net gains / (losses) from disposals of investments in associates	0	0	0	4	0
Share of net profits of associates and joint ventures	7	10	17	33	48
Impairments related to associates	0	(1)	0	(1)	0
Total	(38)	20	37	1	67
Net gains / (losses) from disposals of financial assets measured at fair value through other comprehensive income	26	1	0	28	0
Net gains / (losses) from disposals of financial assets measured at amortized cost	0	0	0	0	0
Income from properties ²	7	6	6	20	18
Net gains / (losses) from disposals of properties held for sale	0	7	31	7	31
Income from shared services provided to UBS Group AG or its subsidiaries	107	127	117	354	350
Other	46	70	28	137	74
Total other income	147	232	218	547	540

¹ Includes foreign exchange gains / (losses) reclassified from other comprehensive income related to the disposal or closure of foreign operations. ² Includes rent received from third parties.

Note 6 Personnel expenses

USD million	For the quarter ended			Year-to-date	
	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Salaries and variable compensation	1,975	2,120	1,957	6,122	6,409
Financial advisor compensation ¹	1,029	1,005	1,016	2,994	3,055
Contractors	34	38	43	108	137
Social security	156	152	148	478	507
Pension and other post-employment benefit plans	130	139	99	440	240 ²
Other personnel expenses	114	116	134	336	381
Total personnel expenses	3,438	3,571	3,398	10,478	10,730

¹ Financial advisor compensation consists of grid-based compensation based directly on compensable revenues generated by financial advisors and supplemental compensation calculated on the basis of financial advisor productivity, firm tenure, assets and other variables. It also includes expenses related to compensation commitments with financial advisors entered into at the time of recruitment that are subject to vesting requirements. ² Changes to the pension fund of UBS AG in Switzerland in the first quarter of 2018 resulted in a reduction in the pension obligation recognized by UBS AG. As a consequence, a pre-tax gain of USD 132 million was recognized in the income statement in the first quarter of 2018, with no overall effect on total equity. Refer to "Note 29 Pension and other post-employment benefit plans" in the "Consolidated financial statements" section of the Annual Report 2018 for more information.

Note 7 General and administrative expenses

USD million	For the quarter ended			Year-to-date	
	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Occupancy	84	81	216	253	642
Rent and maintenance of IT and other equipment	79	79	77	246	235
Communication and market data services	129	131	131	391	387
Administration	1,234	1,236	1,301	3,739	3,901
<i>of which: shared services costs charged by UBS Group AG or its subsidiaries</i>	<i>1,108</i>	<i>1,139</i>	<i>1,179</i>	<i>3,383</i>	<i>3,566</i>
<i>of which: UK and German bank levies</i>	<i>(4)</i>	<i>(32)</i>	<i>0</i>	<i>(21)</i>	<i>(28)</i>
Marketing and public relations	49	49	59	148	195
Travel and entertainment	77	87	88	241	269
Professional fees	208	173	201	537	618
Outsourcing of IT and other services	153	140	179	439	548
Litigation, regulatory and similar matters ¹	65	4	2	61	123
Other	24	24	23	77	61
Total general and administrative expenses	2,101	2,004	2,277	6,131	6,981

¹ Reflects the net increase in / (release of) provisions for litigation, regulatory and similar matters recognized in the income statement. Refer to Note 15 for more information. Also includes recoveries from third parties (third quarter of 2019: USD 2 million; second quarter of 2019: USD 1 million; third quarter of 2018: USD 0 million).

Note 8 Income taxes

UBS AG recognized income tax expenses of USD 276 million for the third quarter of 2019, compared with USD 421 million for the third quarter of 2018.

Current tax expenses were USD 206 million, compared with USD 215 million, and related to taxable profits of UBS Switzerland AG and other entities.

Deferred tax expenses were USD 70 million, compared with USD 206 million. Deferred tax expenses in the third quarter of 2019 include expenses of USD 130 million that primarily reflect the amortization of deferred tax assets (DTAs) previously recognized in relation to tax losses carried forward and

deductible temporary differences to reflect their offset against profits for the quarter, including the amortization of US tax loss DTAs at the level of UBS Americas Inc. Deferred tax expenses were decreased by a benefit of USD 65 million in respect of additional DTA recognition that resulted from the contribution of real estate assets by UBS AG to UBS Americas Inc. during the second quarter of 2019 in accordance with the requirements of IAS 34, *Interim Financial Reporting*, as described in the second quarter 2019 report. A further benefit of USD 65 million will be recognized in the fourth quarter of 2019.

Note 9 Expected credit loss measurement

a) Expected credit losses in the period

Total net credit loss expenses were USD 38 million, reflecting net expenses of USD 43 million related to credit-impaired (stage 3) positions and recoveries of USD 5 million related to stage 1 and stage 2 positions.

The recoveries of USD 5 million in stage 1 and 2 ECL during the quarter were primarily the result of a model update in the Investment Bank of USD 20 million, updates to macroeconomic and market data mainly in Personal & Corporate Banking and Global Wealth Management, partly offset by an update of the scenario weights and movements in book size and book quality.

Stage 3 net expenses of USD 43 million were recognized across a number of defaulted positions: USD 29 million in Personal & Corporate Banking, mainly related to a single exposure; USD 8 million in the Investment Bank; and USD 6 million in Global Wealth Management.

UBS AG uses four different economic scenarios in the ECL calculation: an upside, a baseline, a mild downside and a severe downside scenario. During the quarter, the macroeconomic and market data were updated to reflect current conditions across all scenarios. The forecast values used in the baseline scenario were also updated.

The reviews during the third quarter of 2019 reflected the increasing probability of a weakening economy in key markets, after a long period of substantial expansion, and the

uncertainties about the influence that several political developments with unpredictable outcomes may have on future growth. At the end of the third quarter, management reflected these developments by increasing the weight of the severe downside scenario by 2.5 percentage points, with a corresponding adjustment to the weight of the baseline scenario.

Economic scenarios and weights applied

ECL scenario	Assigned weights in %	
	30.9.19	30.6.19
Upside	10.0	10.0
Baseline	42.5	45.0
Mild downside	35.0	35.0
Severe downside	12.5	10.0

With the exception of the aforementioned model update in the Investment Bank, no further model changes which give rise to a material effect on ECL or stage allocation were made.

→ Refer to “Note 1a Significant accounting policies item 3g” and “Note 23 Expected credit loss measurement” in the “Consolidated financial statements” section of the Annual Report 2018 for more information

b) ECL-relevant balance sheet and off-balance sheet positions including ECL allowances and provisions

The tables on the following pages provide information about financial instruments and certain non-financial instruments that are subject to ECL. For amortized-cost instruments, the carrying amount represents the maximum exposure to credit risk, taking into account the allowance for credit losses. Financial assets measured at fair value through other comprehensive income (FVOCI) are also subject to ECL; however, unlike amortized-cost instruments, the allowance for credit losses for FVOCI

instruments does not reduce the carrying value of these financial assets. Rather, the carrying value of financial assets measured at FVOCI represents the maximum exposure to credit risk.

In addition to on-balance sheet financial assets, certain off-balance sheet and other credit lines are also subject to ECL. The maximum exposure to credit risk for off-balance sheet financial instruments is calculated based on the maximum contractual amounts.

Note 9 Expected credit loss measurement (continued)

USD million	30.9.19							
	Carrying amount ¹				ECL allowance			
Financial instruments measured at amortized cost	Total	Stage 1	Stage 2	Stage 3	Total	Stage 1	Stage 2	Stage 3
Cash and balances at central banks	91,292	91,292	0	0	0	0	0	0
Loans and advances to banks	12,938	12,904	34	0	(5)	(4)	0	(1)
Receivables from securities financing transactions	91,954	91,954	0	0	(3)	(3)	0	0
Cash collateral receivables on derivative instruments	25,659	25,659	0	0	0	0	0	0
Loans and advances to customers	321,666	302,337	17,447	1,882	(787)	(74)	(137)	(576)
of which: Private clients with mortgages	128,526	119,659	7,925	942	(115)	(14)	(63)	(38)
of which: Real estate financing	36,843	30,624	6,205	14	(39)	(3)	(31)	(5)
of which: Large corporate clients	10,635	9,885	654	96	(146)	(13)	(10)	(124)
of which: SME clients	11,566	9,271	1,632	663	(297)	(15)	(19)	(263)
of which: Lombard	111,326	111,261	0	64	(21)	(3)	0	(18)
of which: Credit cards	1,624	1,284	320	20	(34)	(7)	(14)	(12)
of which: Commodity trade finance	2,825	2,425	376	24	(79)	(5)	0	(74)
Other financial assets measured at amortized cost	23,597	22,758	310	529	(142)	(36)	(7)	(99)
of which: Loans to financial advisors	3,004	2,670	171	162	(107)	(30)	(4)	(72)
Total financial assets measured at amortized cost	567,107	546,904	17,792	2,411	(937)	(117)	(144)	(676)
Financial assets measured at fair value through other comprehensive income	6,993	6,993	0	0	0	0	0	0
Total on-balance sheet financial assets in scope of ECL requirements	574,100	553,897	17,792	2,411	(937)	(117)	(144)	(676)

Off-balance sheet (in scope of ECL)	Total exposure				ECL provision			
	Total	Stage 1	Stage 2	Stage 3	Total	Stage 1	Stage 2	Stage 3
Guarantees	15,570	15,066	419	86	(41)	(7)	(2)	(32)
of which: Large corporate clients	3,470	3,250	190	30	(8)	(1)	(1)	(6)
of which: SME clients	1,159	992	118	49	(22)	0	0	(21)
of which: Financial intermediaries and hedge funds	5,997	5,975	22	0	(4)	(4)	0	0
of which: Lombard	635	635	0	0	(1)	0	0	(1)
of which: Commodity trade finance	2,025	1,935	83	7	(1)	(1)	0	0
Irrevocable loan commitments	27,122	26,443	634	45	(26)	(15)	(10)	(1)
of which: Large corporate clients	19,124	18,527	571	26	(19)	(11)	(7)	(1)
Forward starting reverse repurchase and securities borrowing agreements	1,093	1,093	0	0	0	0	0	0
Committed unconditionally revocable credit lines	34,553	33,454	1,056	43	(35)	(18)	(17)	0
of which: Real estate financing	2,755	2,385	371	0	(16)	(3)	(13)	0
of which: Large corporate clients	3,979	3,890	74	16	(1)	(1)	0	0
of which: SME clients	4,524	4,271	230	23	(9)	(7)	(2)	0
of which: Lombard	7,594	7,594	0	0	0	0	0	0
of which: Credit cards	7,624	7,307	317	0	(6)	(5)	(2)	0
Irrevocable committed prolongation of existing loans	2,854	2,849	0	5	(2)	(2)	0	0
Total off-balance sheet financial instruments and other credit lines	81,192	78,904	2,109	179	(104)	(42)	(28)	(33)
Total allowances and provisions					(1,041)	(160)	(173)	(709)

¹ The carrying amount of financial assets measured at amortized cost represents the total gross exposure net of the respective ECL allowances.

Note 9 Expected credit loss measurement (continued)

USD million	30.6.19							
	Carrying amount ¹				ECL allowance			
	Total	Stage 1	Stage 2	Stage 3	Total	Stage 1	Stage 2	Stage 3
Financial instruments measured at amortized cost								
Cash and balances at central banks	101,457	101,457	0	0	0	0	0	0
Loans and advances to banks	12,682	12,662	19	0	(5)	(2)	0	(3)
Receivables from securities financing transactions	92,919	92,919	0	0	(2)	(2)	0	0
Cash collateral receivables on derivative instruments	23,774	23,774	0	0	0	0	0	0
Loans and advances to customers	324,288	304,421	18,262	1,605	(755)	(78)	(130)	(546)
<i>of which: Private clients with mortgages</i>	129,715	120,461	8,467	787	(120)	(15)	(67)	(38)
<i>of which: Real estate financing</i>	37,605	30,501	7,089	14	(45)	(4)	(36)	(5)
<i>of which: Large corporate clients</i>	11,000	10,483	448	69	(110)	(14)	(4)	(91)
<i>of which: SME clients</i>	11,861	9,866	1,348	647	(277)	(18)	(9)	(249)
<i>of which: Lombard</i>	110,903	110,874	0	29	(23)	(5)	0	(20)
<i>of which: Credit cards</i>	1,561	1,231	311	19	(32)	(7)	(13)	(12)
<i>of which: Commodity trade finance</i>	3,387	2,930	442	15	(84)	(5)	(1)	(78)
Other financial assets measured at amortized cost	22,225	21,568	212	445	(145)	(36)	(4)	(105)
<i>of which: Loans to financial advisors</i>	3,075	2,951	63	61	(110)	(32)	(2)	(76)
Total financial assets measured at amortized cost	577,345	556,801	18,493	2,050	(907)	(119)	(134)	(654)
Financial assets measured at fair value through other comprehensive income	7,422	7,422	0	0	0	0	0	0
Total on-balance sheet financial assets in scope of ECL requirements	584,766	564,223	18,493	2,050	(907)	(119)	(134)	(654)
	Total exposure				ECL provision			
	Total	Stage 1	Stage 2	Stage 3	Total	Stage 1	Stage 2	Stage 3
Off-balance sheet (in scope of ECL)								
Guarantees	16,810	16,202	413	195	(40)	(6)	(1)	(33)
<i>of which: Large corporate clients</i>	3,573	3,352	98	123	(3)	(1)	0	(1)
<i>of which: SME clients</i>	1,192	970	153	69	(30)	0	0	(29)
<i>of which: Financial intermediaries and hedge funds</i>	6,825	6,796	29	0	(3)	(3)	0	0
<i>of which: Lombard</i>	642	642	0	0	(1)	0	0	(1)
<i>of which: Commodity trade finance</i>	1,740	1,615	122	3	(2)	(1)	0	(1)
Irrevocable loan commitments	27,463	26,885	563	14	(40)	(33)	(7)	0
<i>of which: Large corporate clients</i>	18,944	18,453	489	2	(34)	(29)	(6)	0
Forward starting reverse repurchase and securities borrowing agreements	2,259	2,259	0	0	0	0	0	0
Committed unconditionally revocable credit lines	31,713	30,567	1,078	68	(40)	(19)	(21)	0
<i>of which: Real estate financing</i>	2,893	2,488	405	0	(21)	(4)	(17)	0
<i>of which: Large corporate clients</i>	4,409	4,340	52	17	(1)	(1)	0	0
<i>of which: SME clients</i>	4,427	4,135	243	48	(9)	(7)	(1)	0
<i>of which: Lombard</i>	4,254	4,254	0	0	0	0	0	0
<i>of which: Credit cards</i>	7,755	7,447	308	0	(6)	(4)	(2)	0
Irrevocable committed prolongation of existing loans	3,668	3,667	0	0	(3)	(3)	0	0
Total off-balance sheet financial instruments and other credit lines	81,912	79,581	2,055	277	(122)	(60)	(29)	(33)
Total allowances and provisions					(1,030)	(180)	(163)	(687)

¹ The carrying amount of financial assets measured at amortized cost represents the total gross exposure net of the respective ECL allowances.

Note 9 Expected credit loss measurement (continued)

USD million	31.12.18							
	Carrying amount ¹				ECL allowance			
	Total	Stage 1	Stage 2	Stage 3	Total	Stage 1	Stage 2	Stage 3
Financial instruments measured at amortized cost								
Cash and balances at central banks	108,370	108,370	0	0	0	0	0	0
Loans and advances to banks	16,642	16,440	202	0	(7)	(4)	(1)	(3)
Receivables from securities financing transactions	95,349	95,349	0	0	(2)	(2)	0	0
Cash collateral receivables on derivative instruments	23,603	23,603	0	0	0	0	0	0
Loans and advances to customers	321,482	299,378	20,357	1,748	(772)	(69)	(155)	(549)
of which: Private clients with mortgages	126,335	115,679	9,859	796	(138)	(16)	(83)	(39)
of which: Real estate financing	36,474	28,578	7,858	38	(59)	(3)	(40)	(16)
of which: Large corporate clients	11,390	10,845	457	88	(95)	(9)	(4)	(82)
of which: SME clients	9,924	8,029	1,263	632	(281)	(13)	(12)	(256)
of which: Lombard	111,722	111,707	0	14	(21)	(4)	0	(17)
of which: Credit cards	1,529	1,216	297	16	(30)	(6)	(13)	(11)
of which: Commodity trade finance	3,260	2,798	445	16	(86)	(5)	(3)	(78)
Other financial assets measured at amortized cost	22,637	21,936	223	478	(155)	(43)	(4)	(109)
of which: Loans to financial advisors	3,291	3,104	62	125	(113)	(34)	(2)	(77)
Total financial assets measured at amortized cost	588,084	565,076	20,782	2,226	(937)	(117)	(159)	(660)
Financial assets measured at fair value through other comprehensive income	6,667	6,667	0	0	0	0	0	0
Total on-balance sheet financial assets in scope of ECL requirements	594,750	571,743	20,782	2,226	(937)	(117)	(159)	(660)
	Total exposure				ECL provision			
	Total	Stage 1	Stage 2	Stage 3	Total	Stage 1	Stage 2	Stage 3
Off-balance sheet (in scope of ECL)								
Guarantees	18,146	17,321	611	215	(43)	(7)	(2)	(34)
of which: Large corporate clients	3,862	3,599	136	127	(8)	(1)	(1)	(6)
of which: SME clients	1,298	1,057	164	77	(26)	0	0	(25)
of which: Financial intermediaries and hedge funds	7,193	7,125	67	0	(4)	(3)	0	0
of which: Lombard	834	834	0	0	0	0	0	0
of which: Commodity trade finance	2,097	1,851	236	11	(1)	(1)	0	0
Irrevocable loan commitments	31,212	30,590	568	53	(37)	(32)	(5)	0
of which: Large corporate clients	22,019	21,492	519	7	(31)	(26)	(4)	0
Forward starting reverse repurchase and securities borrowing agreements	937	937	0	0	0	0	0	0
Committed unconditionally revocable credit lines	38,851	37,338	1,420	93	(36)	(19)	(16)	0
of which: Real estate financing	2,562	2,150	401	11	(17)	(4)	(12)	0
of which: Large corporate clients	4,260	4,152	91	17	(2)	(1)	0	0
of which: SME clients	4,505	4,163	285	57	(7)	(6)	(1)	0
of which: Lombard	7,402	7,402	0	0	0	(1)	0	0
of which: Credit cards	7,343	7,035	309	0	(6)	(4)	(2)	0
Irrevocable committed prolongation of existing loans	3,339	2,861	456	22	(1)	(1)	0	0
Total off-balance sheet financial instruments and other credit lines	92,486	89,048	3,055	383	(116)	(59)	(23)	(34)
Total allowances and provisions					(1,054)	(176)	(183)	(695)

¹ The carrying amount of financial assets measured at amortized cost represents the total gross exposure net of the respective ECL allowances.

Note 10 Fair value measurement

This Note provides fair value measurement information for both financial and non-financial instruments and should be read in conjunction with "Note 24 Fair value measurement" in the "Consolidated financial statements" section of the Annual Report 2018, which provides more information about valuation principles, valuation governance, fair value hierarchy classification, valuation adjustments, valuation techniques and inputs, sensitivity of fair value measurements, and methods applied to calculate fair values for financial instruments not measured at fair value.

All financial and non-financial assets and liabilities measured or disclosed at fair value are categorized into one of three fair

value hierarchy levels. In certain cases, the inputs used to measure fair value may fall within different levels of the fair value hierarchy. For disclosure purposes, the level in the hierarchy within which the instrument is classified in its entirety is based on the lowest level input that is significant to the position's fair value measurement:

- Level 1: quoted prices (unadjusted) in active markets for identical assets and liabilities;
- Level 2: valuation techniques for which all significant inputs are, or are based on, observable market data; or
- Level 3: valuation techniques for which significant inputs are not based on observable market data.

Note 10 Fair value measurement (continued)**a) Fair value hierarchy**

The fair value hierarchy classification of financial and non-financial assets and liabilities measured at fair value is summarized in the table below.

Determination of fair values from quoted market prices or valuation techniques¹

USD million	30.9.19				30.6.19				31.12.18			
	Level 1	Level 2	Level 3	Total	Level 1	Level 2	Level 3	Total	Level 1	Level 2	Level 3	Total
Financial assets measured at fair value on a recurring basis												
Financial assets at fair value held for trading	101,301	12,307	2,412	116,020	105,660	12,948	1,625	120,232	88,455	14,096	1,962	104,513
of which:												
Government bills / bonds	10,786	1,659	63	12,509	11,966	1,564	71	13,601	9,554	1,607	0	11,161
Corporate and municipal bonds	511	7,740	293	8,544	538	6,638	481	7,657	558	5,699	651	6,908
Loans	0	790	1,730	2,520	0	1,968	695	2,663	0	2,886	680	3,566
Investment fund units	8,501	1,323	118	9,942	7,895	1,578	153	9,625	6,074	3,200	442	9,716
Asset-backed securities	1	453	139	593	1	464	138	603	0	248	144	392
Equity instruments	81,502	342	69	81,913	85,259	736	88	86,083	72,270	455	46	72,771
Derivative financial instruments	631	132,471	1,139	134,242	449	119,692	1,546	121,687	753	124,035	1,424	126,212
of which:												
Interest rate contracts	0	50,475	322	50,798	0	43,867	576	44,443	0	36,658	418	37,076
Credit derivative contracts	0	1,732	342	2,074	0	1,734	515	2,248	0	1,444	476	1,920
Foreign exchange contracts	422	56,003	20	56,445	166	47,962	16	48,144	311	53,151	30	53,492
Equity / index contracts	12	21,452	455	21,919	6	23,178	437	23,620	3	30,905	496	31,404
Commodity contracts	0	2,721	0	2,722	2	2,870	0	2,872	0	1,768	2	1,769
Brokerage receivables	0	17,653	0	17,653	0	16,915	0	16,915	0	16,840	0	16,840
Financial assets at fair value not held for trading	45,293	44,054	3,521	92,869	43,131	42,240	3,898	89,269	40,204	37,770	4,413	82,387
of which:												
Government bills / bonds	19,202	4,171	0	23,373	17,470	4,127	0	21,597	17,687	4,806	0	22,493
Corporate and municipal bonds	812	19,439	0	20,250	752	17,066	0	17,818	781	16,455	0	17,236
Financial assets for unit-linked investment contracts	25,011	94	1	25,106	24,699	8	0	24,707	21,440	5	0	21,446
Loans	0	10,016	744	10,760	0	10,132	1,268	11,400	0	6,380	1,752	8,132
Securities financing transactions	0	10,161	152	10,313	0	10,107	146	10,252	0	9,899	39	9,937
Auction rate securities	0	0	1,543	1,543	0	0	1,551	1,551	0	0	1,664	1,664
Investment fund units	176	146	101	423	122	203	112	437	173	125	109	407
Equity instruments	93	5	468	566	89	25	476	590	123	62	517	702
Other	0	23	511	534	0	572	344	916	0	38	331	369
Financial assets measured at fair value through other comprehensive income on a recurring basis												
Financial assets measured at fair value through other comprehensive income	2,414	4,579	0	6,993	2,357	5,065	0	7,422	2,319	4,347	0	6,667
of which:												
Government bills / bonds	2,368	13	0	2,381	2,308	13	0	2,321	2,171	69	0	2,239
Corporate and municipal bonds	45	429	0	474	48	447	0	495	149	348	0	497
Asset-backed securities	0	4,137	0	4,137	0	4,605	0	4,605	0	3,931	0	3,931
Non-financial assets measured at fair value on a recurring basis												
Precious metals and other physical commodities	4,193	0	0	4,193	3,920	0	0	3,920	4,298	0	0	4,298
Non-financial assets measured at fair value on a non-recurring basis												
Other non-financial assets ²	0	67	29	96	0	70	29	98	0	82	0	82
Total assets measured at fair value	153,832	211,131	7,101	372,064	155,517	196,929	7,098	359,543	136,029	197,170	7,800	340,999

Note 10 Fair value measurement (continued)

Determination of fair values from quoted market prices or valuation techniques (continued)¹

USD million	30.9.19				30.6.19				31.12.18			
	Level 1	Level 2	Level 3	Total	Level 1	Level 2	Level 3	Total	Level 1	Level 2	Level 3	Total
Financial liabilities measured at fair value on a recurring basis												
Financial liabilities at fair value held for trading	28,584	4,866	53	33,502	26,803	5,365	109	32,277	24,413	4,468	69	28,949
of which:												
Government bills / bonds	2,841	595	0	3,436	2,955	577	0	3,531	2,423	416	0	2,839
Corporate and municipal bonds	47	3,809	13	3,870	21	4,003	40	4,063	126	3,377	27	3,530
Investment fund units	465	168	3	635	533	178	1	711	551	137	0	689
Equity instruments	25,232	273	36	25,541	23,294	583	69	23,946	21,313	537	42	21,892
Derivative financial instruments	770	128,652	2,014	131,435	493	118,707	1,888	121,087	580	122,933	2,210	125,723
of which:												
Interest rate contracts	0	43,956	212	44,169	0	39,334	191	39,525	7	32,511	226	32,743
Credit derivative contracts	0	2,712	446	3,158	0	2,742	570	3,312	0	2,203	519	2,722
Foreign exchange contracts	447	55,835	64	56,347	180	48,620	92	48,893	322	52,964	86	53,372
Equity / index contracts	9	23,616	1,291	24,915	5	25,328	1,032	26,365	1	33,669	1,371	35,041
Commodity contracts	1	2,463	0	2,464	3	2,601	1	2,605	0	1,487	0	1,487
Financial liabilities designated at fair value on a recurring basis												
Brokerage payables designated at fair value	0	38,260	0	38,260	0	36,929	0	36,929	0	38,420	0	38,420
Debt issued designated at fair value	9	56,731	9,970	66,709	0	56,581	11,404	67,984	0	46,074	10,957	57,031
Other financial liabilities designated at fair value	0	34,043	739	34,782	0	33,708	700	34,407	0	32,569	1,025	33,594
of which:												
Financial liabilities related to unit-linked investment contracts	0	25,422	0	25,422	0	25,087	0	25,087	0	21,679	0	21,679
Securities financing transactions	0	7,304	0	7,304	0	7,436	0	7,436	0	9,461	0	9,461
Over-the-counter debt instruments	0	1,315	709	2,024	0	1,183	645	1,828	0	1,427	1,023	2,450
Total liabilities measured at fair value	29,362	262,552	12,775	304,689	27,296	251,288	14,100	292,684	24,992	244,465	14,260	283,717

¹ Bifurcated embedded derivatives are presented on the same balance sheet lines as their host contracts and are not included in this table. The fair value of these derivatives was not material for the periods presented. ² Other non-financial assets primarily consist of properties and other non-current assets held for sale, which are measured at the lower of their net carrying amount or fair value less costs to sell.

Note 10 Fair value measurement (continued)**b) Valuation adjustments****Deferred day-1 profit or loss reserves**

The table below summarizes the changes in deferred day-1 profit or loss reserves during the relevant period.

Deferred day-1 profit or loss is generally released into *Other net income from financial instruments measured at fair value through profit or loss* when pricing of equivalent products or the underlying parameters become observable or when the transaction is closed out.

Deferred day-1 profit or loss reserves

USD million	For the quarter ended			Year-to-date	
	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
Reserve balance at the beginning of the period	158	161	276	255	338
Profit / (loss) deferred on new transactions	32	58	43	122	293
(Profit) / loss recognized in the income statement	(58)	(60)	(68)	(245)	(376)
Foreign currency translation	(1)	0	(1)	(2)	(4)
Reserve balance at the end of the period	131	158	250	131	250

c) Transfers between Level 1 and Level 2

The amounts disclosed in this section reflect transfers between Level 1 and Level 2 for instruments that were held for the entire reporting period.

Assets totaling approximately USD 0.7 billion, which mainly consisted of exchange traded investment fund units presented in the line *Financial assets at fair value held for trading* on the balance sheet, were transferred from Level 2 to Level 1 during

the first nine months of 2019, generally due to increased levels of trading activity observed within the market for these instruments. Liabilities transferred from Level 2 to Level 1 during the first nine months of 2019 were not material. Assets and liabilities transferred from Level 1 to Level 2 during the first nine months of 2019 were also not material.

Note 10 Fair value measurement (continued)

d) Level 3 instruments: valuation techniques and inputs

The table below presents material Level 3 assets and liabilities together with the valuation techniques used to measure fair value, the significant inputs used in the valuation technique that are considered unobservable and a range of values for those unobservable inputs.

The range of values represents the highest- and lowest-level input used in the valuation techniques. Therefore, the range does not reflect the level of uncertainty regarding a particular input, but rather the different underlying characteristics of the relevant assets and liabilities. The ranges will therefore vary from period to period and parameter to parameter based on characteristics of the instruments held at each balance sheet date. Furthermore, the ranges and weighted averages of unobservable inputs may differ

across other financial institutions due to the diversity of the products in each firm's inventory.

The significant unobservable inputs disclosed in the table below are consistent with those included in "Note 24 Fair value measurement" in the "Consolidated financial statements" section of the Annual Report 2018. A description of the potential effect that a change in each unobservable input in isolation may have on a fair value measurement, including information to facilitate an understanding of factors that give rise to the input ranges shown, is also provided in "Note 24 Fair value measurement" in the "Consolidated financial statements" section of the Annual Report 2018.

Valuation techniques and inputs used in the fair value measurement of Level 3 assets and liabilities

USD billion	Fair value				Valuation technique(s)	Significant unobservable input(s) ¹	Range of inputs					
	Assets		Liabilities				30.9.19			31.12.18		
	30.9.19	31.12.18	30.9.19	31.12.18			low	high	weighted average ²	low	high	weighted average ²
Financial assets and liabilities at fair value held for trading and Financial assets at fair value not held for trading												
Corporate and municipal bonds	0.3	0.7	0.0	0.0	Relative value to market comparable	Bond price equivalent	0	161	98	0	134	89 points
Traded loans, loans designated at fair value, loan commitments and guarantees	2.9	2.7	0.0	0.0	Relative value to market comparable	Loan price equivalent	0	101	99	0	100	99 points
					Discounted expected cash flows	Credit spread	250	530		301	513	basis points
					Market comparable and securitization model	Discount margin	1	14	2	1	14	2 %
Auction rate securities	1.5	1.7			Relative value to market comparable	Bond price equivalent	79	99	89	79	99	89 points
Investment fund units ³	0.2	0.6	0.0	0.0	Relative value to market comparable	Net asset value						
Equity instruments ³	0.5	0.6	0.0	0.0	Relative value to market comparable	Price						
Debt issued designated at fair value ⁴			10.0	11.0								
Other financial liabilities designated at fair value ⁴			0.7	1.0								
Derivative financial instruments												
Interest rate contracts	0.3	0.4	0.2	0.2	Option model	Volatility of interest rates	47	67		50	81	basis points
					Discounted expected cash flows	Credit spreads	1	563		4	545	basis points
Credit derivative contracts	0.3	0.5	0.4	0.5		Bond price equivalent	3	100		3	99	points
Equity / index contracts	0.5	0.5	1.3	1.4	Option model	Equity dividend yields	0	16		0	12	%
						Volatility of equity stocks, equity and other indices	4	91		4	93	%
						Equity-to-FX correlation	(45)	64		(39)	67	%
						Equity-to-equity correlation	(17)	97		(50)	97	%

¹ The ranges of significant unobservable inputs are represented in points, percentages and basis points. Points are a percentage of par (e.g., 100 points would be 100% of par). ² Weighted averages are provided for non-derivative financial instruments and were calculated by weighting inputs based on the fair values of the respective instruments. Weighted averages are not provided for inputs related to derivative contracts as this would not be meaningful. ³ The range of inputs is not disclosed as there is a dispersion of values given the diverse nature of the investments. ⁴ Valuation techniques, significant unobservable inputs and the respective input ranges for Debt issued designated at fair value and Other financial liabilities designated at fair value, which mainly include over-the-counter debt instruments, are the same as the equivalent derivative or structured financing instruments presented elsewhere in this table.

Note 10 Fair value measurement (continued)**e) Level 3 instruments: sensitivity to changes in unobservable input assumptions**

The table below summarizes those financial assets and liabilities classified as Level 3 for which a change in one or more of the unobservable inputs to reflect reasonably possible alternative assumptions would change fair value significantly, and the estimated effect thereof.

The table shown presents the favorable and unfavorable effects for each class of financial assets and liabilities for which the potential change in fair value is considered significant. The sensitivity of fair value measurements for debt issued designated at fair value and over-the-counter debt instruments designated at fair value is reported with the equivalent derivative or structured financing instrument within the table below.

The sensitivity data shown below presents an estimation of valuation uncertainty based on reasonably possible alternative values for Level 3 inputs at the balance sheet date and does not represent the estimated effect of stress scenarios. Typically, these financial assets and liabilities are sensitive to a combination of inputs from Levels 1–3. Although well-defined interdependencies may exist between Levels 1–2 and Level 3 parameters (e.g., between interest rates, which are generally Level 1 or Level 2, and prepayments, which are generally Level 3), these have not been incorporated in the table. Furthermore, direct interrelationships between the Level 3 parameters are not a significant element of the valuation uncertainty.

Sensitivity of fair value measurements to changes in unobservable input assumptions

	30.9.19		30.6.19		31.12.18	
	Favorable changes	Unfavorable changes	Favorable changes	Unfavorable changes	Favorable changes	Unfavorable changes
<i>USD million</i>						
Traded loans, loans designated at fair value, loan commitments and guarantees	93	(21)	88	(18)	99	(44)
Securities financing transactions	27	(15)	33	(20)	17	(11)
Auction rate securities	77	(77)	78	(78)	81	(81)
Asset-backed securities	38	(41)	39	(43)	27	(23)
Equity instruments	144	(84)	148	(87)	155	(94)
Interest rate derivative contracts, net	15	(29)	10	(25)	8	(39)
Credit derivative contracts, net	32	(36)	32	(36)	33	(37)
Foreign exchange derivative contracts, net	10	(7)	12	(8)	10	(5)
Equity / index derivative contracts, net	154	(168)	168	(180)	213	(225)
Other	25	(28)	22	(26)	19	(19)
Total	616	(505)	629	(519)	661	(578)

Note 10 Fair value measurement (continued)

f) Level 3 instruments: movements during the period

Significant changes in Level 3 instruments

The table on the following pages presents additional information about Level 3 assets and liabilities measured at fair value on a recurring basis. Level 3 assets and liabilities may be hedged with instruments classified as Level 1 or Level 2 in the fair value hierarchy and, as a result, realized and unrealized gains and losses included in the table may not include the effect of related hedging activity. Furthermore, the realized and unrealized gains and losses presented within the table are not limited solely to those arising from Level 3 inputs, as valuations are generally derived from both observable and unobservable parameters.

Upon adoption of IFRS 9 on 1 January 2018, certain financial assets and liabilities were newly classified as measured at fair value through profit or loss and designated as Level 3 in the fair value hierarchy. Certain assets were also reclassified from *Financial assets measured at fair value through other comprehensive income* to *Financial assets at fair value not held for trading*. Refer to "Note 24 Fair value measurement" in the "Consolidated financial statements" section of the Annual Report 2018 for more information.

Note 10 Fair value measurement (continued)

Movements of Level 3 instruments

USD billion	Balance as of 31 December 2017	Reclassifications and remeasurements upon adoption of IFRS 9	Balance as of 1 January 2018	Total gains / losses included in comprehensive income		Purchases	Sales	Issuances	Settlements	Transfers into Level 3	Transfers out of Level 3	Foreign currency translation	Balance as of 30 September 2018
				Net gains / losses included in income ¹	of which: related to Level 3 instruments held at the end of the reporting period								
Financial assets at fair value held for trading	2.0	0.4	2.4	(0.4)	(0.4)	1.6	(5.7)	3.9	0.0	0.8	(0.2)	0.0	2.5
of which:													
Corporate and municipal bonds	0.6		0.6	(0.2)	(0.2)	0.5	(0.8)	0.0	0.0	0.6	0.0	0.0	0.6
Loans	0.5	0.4	0.9	0.0	0.0	0.6	(4.3)	3.9	0.0	0.1	0.0	0.0	1.2
Investment fund units	0.6		0.6	(0.2)	(0.1)	0.2	(0.2)	0.0	0.0	0.1	(0.1)	0.0	0.4
Other	0.4		0.4	0.0	(0.1)	0.3	(0.4)	0.0	0.0	0.0	0.0	0.0	0.3
Financial assets at fair value not held for trading	1.5	3.0	4.4	0.1	0.1	1.5	(1.4)	0.0	0.0	0.1	(0.1)	0.1	4.8
of which:													
Loans	0.8	0.6	1.4	(0.2)	(0.1)	1.3	(0.6)	0.0	0.0	0.1	0.0	0.0	1.9
Auction rate securities		1.9	1.9	0.1	0.1	0.0	(0.3)	0.0	0.0	0.0	0.0	0.1	1.8
Equity instruments		0.4	0.4	0.1	0.1	0.2	(0.2)	0.0	0.0	0.0	0.0	0.0	0.6
Other	0.7	0.1	0.8	0.0	0.0	0.1	(0.3)	0.0	0.0	0.0	(0.1)	0.0	0.5
Financial assets measured at fair value through other comprehensive income	0.5	(0.5)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Derivative financial instruments – assets	1.6		1.6	(0.3)	(0.3)	0.0	0.0	0.9	(0.9)	0.6	(0.3)	0.0	1.6
of which:													
Interest rate contracts	0.1		0.1	(0.1)	(0.1)	0.0	0.0	0.2	(0.1)	0.5	(0.1)	0.0	0.5
Credit derivative contracts	0.6		0.6	0.0	0.0	0.0	0.0	0.0	(0.1)	0.0	0.0	0.0	0.5
Equity / index contracts	0.7		0.7	(0.1)	(0.1)	0.0	0.0	0.7	(0.7)	0.1	(0.1)	0.0	0.6
Other	0.2		0.2	(0.1)	(0.1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Derivative financial instruments – liabilities	2.9	0.0	2.9	(0.5)	(0.4)	0.0	0.0	1.2	(1.1)	0.3	(0.4)	0.0	2.5
of which:													
Credit derivative contracts	0.6		0.6	0.0	0.0	0.0	0.0	0.0	(0.1)	0.0	0.0	0.0	0.6
Equity / index contracts	2.0		2.0	(0.3)	(0.2)	0.0	0.0	0.9	(0.9)	0.2	(0.4)	0.0	1.4
Other	0.3	0.0	0.3	(0.2)	(0.2)	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.4
Debt issued designated at fair value	11.2		11.2	0.7	0.3	0.0	0.0	5.1	(3.7)	1.4	(4.3)	(0.1)	10.3
Other financial liabilities designated at fair value	2.0		2.0	0.0	0.0	0.0	0.0	0.9	(2.1)	0.0	0.0	0.0	0.7

¹ Net gains / losses included in comprehensive income are comprised of Net interest income, Other net income from financial instruments measured at fair value through profit or loss and Other income. ² Total Level 3 assets as of 30 September 2019 were USD 7.1 billion (31 December 2018: USD 7.8 billion). Total Level 3 liabilities as of 30 September 2019 were USD 12.8 billion (31 December 2018: USD 14.3 billion).

Note 10 Fair value measurement (continued)

Balance as of 31 December 2018 ²	Total gains / losses included in comprehensive income			Purchases	Sales	Issuances	Settlements	Transfers into Level 3	Transfers out of Level 3	Foreign currency translation	Balance as of 30 September 2019 ²
	Net gains / losses included in income ¹	<i>of which: related to Level 3 instruments held at the end of the reporting period</i>									
2.0	(0.3)	0.0	0.8	(3.7)	3.7	0.0	0.3	(0.4)	0.0	2.4	
0.7	0.0	0.0	0.3	(0.5)	0.0	0.0	0.0	(0.2)	0.0	0.3	
0.7	(0.2)	0.0	0.1	(2.6)	3.7	0.0	0.1	0.0	0.0	1.7	
0.4	0.0	0.0	0.1	(0.4)	0.0	0.0	0.2	(0.2)	0.0	0.1	
0.2	0.0	0.0	0.3	(0.2)	0.0	0.0	0.1	0.0	0.0	0.3	
4.4	0.1	0.1	0.7	(0.7)	0.0	0.0	0.2	(1.2)	0.0	3.5	
1.8	0.0	0.0	0.3	(0.3)	0.0	0.0	0.2	(1.2)	0.0	0.7	
1.7	0.0	0.0	0.0	(0.1)	0.0	0.0	0.0	0.0	0.0	1.5	
0.5	0.1	0.1	0.1	(0.2)	0.0	0.0	0.0	0.0	0.0	0.5	
0.5	0.0	0.0	0.3	(0.1)	0.0	0.0	0.0	0.0	0.0	0.8	
1.4	(0.2)	(0.1)	0.0	0.0	0.7	(0.7)	0.2	(0.3)	0.0	1.1	
0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	(0.2)	0.0	0.3	
0.5	0.0	0.0	0.0	0.0	0.2	(0.3)	0.1	(0.1)	0.0	0.3	
0.5	(0.2)	0.0	0.0	0.0	0.5	(0.4)	0.2	(0.1)	0.0	0.5	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2.2	0.1	0.0	0.0	0.0	0.8	(0.9)	0.2	(0.3)	0.0	2.0	
0.5	0.0	0.0	0.0	0.0	0.1	(0.2)	0.1	(0.1)	0.0	0.4	
1.4	0.1	0.0	0.0	0.0	0.7	(0.8)	0.1	(0.2)	0.0	1.3	
0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(0.1)	0.0	0.3	
11.0	0.5	0.3	0.0	0.0	6.0	(5.2)	0.6	(2.8)	(0.1)	10.0	
1.0	0.2	0.1	0.0	0.0	0.2	(0.7)	0.1	0.0	0.0	0.7	

Note 10 Fair value measurement (continued)

Assets and liabilities transferred into or out of Level 3 are presented as if those assets or liabilities had been transferred at the beginning of the year.

Assets transferred into and out of Level 3 in the first nine months of 2019 totaled USD 0.8 billion and USD 1.9 billion, respectively. Transfers into Level 3 mainly consisted of loans, investment fund units and equity / index contracts, reflecting decreased observability of the relevant valuation inputs.

Transfers out of Level 3 mainly consisted of loans, reflecting increased observability of the relevant valuation inputs.

Liabilities transferred into and out of Level 3 in the first nine months of 2019 totaled USD 0.8 billion and USD 3.1 billion, respectively. Transfers into and out of Level 3 mainly consisted of debt issued designated at fair value, primarily equity-linked issued debt instruments, due to decreased or increased observability, respectively, of the embedded derivative inputs.

g) Financial instruments not measured at fair value

The table below reflects the estimated fair values of financial instruments not measured at fair value.

Financial instruments not measured at fair value

USD billion	30.9.19		30.6.19		31.12.18	
	Carrying value	Fair value	Carrying value	Fair value	Carrying value	Fair value
Assets						
Cash and balances at central banks	91.3	91.3	101.5	101.5	108.4	108.4
Loans and advances to banks	12.9	12.9	12.7	12.7	16.6	16.6
Receivables from securities financing transactions	92.0	92.0	92.9	92.9	95.3	95.4
Cash collateral receivables on derivative instruments	25.7	25.7	23.8	23.8	23.6	23.6
Loans and advances to customers	321.7	324.9	324.3	327.5	321.5	322.0
Other financial assets measured at amortized cost	23.6	23.9	22.2	22.4	22.6	22.5
Liabilities						
Amounts due to banks	8.2	8.2	9.5	9.5	11.0	11.0
Payables from securities financing transactions	5.6	5.6	6.8	6.8	10.3	10.3
Cash collateral payables on derivative instruments	32.3	32.3	31.4	31.4	28.9	28.9
Customer deposits	429.1	429.3	435.6	435.7	422.0	422.0
Funding from UBS Group AG and its subsidiaries	47.6	49.5	45.2	46.8	41.2	41.7
Debt issued measured at amortized cost	69.7	70.4	75.7	76.6	91.2	93.5
Other financial liabilities measured at amortized cost	11.1	11.1	10.9	10.9	7.6	7.6

The fair values included in the table above have been calculated for disclosure purposes only. The fair value valuation techniques and assumptions relate only to the fair value of UBS AG's financial instruments not measured at fair value. Other

institutions may use different methods and assumptions for their fair value estimation, and therefore such fair value disclosures cannot necessarily be compared from one financial institution to another.

Note 11 Derivative instruments

a) Derivative instruments

<i>As of 30.9.19, USD billion</i>	Derivative financial assets	Notional values related to derivative financial assets ³	Derivative financial liabilities	Notional values related to derivative financial liabilities ³	Other notional values ⁴
Derivative financial instruments^{1,2}					
Interest rate contracts	50.8	1,120	44.2	1,079	11,972
Credit derivative contracts	2.1	73	3.2	74	0
Foreign exchange contracts	56.4	3,402	56.3	3,254	0
Equity / index contracts	21.9	486	24.9	587	123
Commodity contracts	2.7	69	2.5	62	10
Unsettled purchases of non-derivative financial instruments ⁵	0.1	24	0.1	14	
Unsettled sales of non-derivative financial instruments ⁵	0.1	22	0.3	19	
Total derivative financial instruments, based on IFRS netting⁶	134.2	5,197	131.4	5,090	12,105
Further netting potential not recognized on the balance sheet ⁷	(123.0)		(118.7)		
<i>of which: netting of recognized financial liabilities / assets</i>	<i>(100.7)</i>		<i>(100.7)</i>		
<i>of which: netting with collateral received / pledged</i>	<i>(22.4)</i>		<i>(18.0)</i>		
Total derivative financial instruments, after consideration of further netting potential	11.2		12.8		

As of 30.6.19, USD billion

Derivative financial instruments^{1,2}					
Interest rate contracts	44.4	1,167	39.5	1,133	11,968
Credit derivative contracts	2.2	73	3.3	75	0
Foreign exchange contracts	48.1	3,191	48.9	3,091	1
Equity / index contracts	23.6	467	26.4	553	111
Commodity contracts	2.9	70	2.6	53	2
Unsettled purchases of non-derivative financial instruments ⁵	0.2	31	0.2	12	
Unsettled sales of non-derivative financial instruments ⁵	0.2	21	0.2	24	
Total derivative financial instruments, based on IFRS netting⁶	121.7	5,019	121.1	4,942	12,082
Further netting potential not recognized on the balance sheet ⁷	(110.2)		(105.9)		
<i>of which: netting of recognized financial liabilities / assets</i>	<i>(88.9)</i>		<i>(88.9)</i>		
<i>of which: netting with collateral received / pledged</i>	<i>(21.3)</i>		<i>(17.0)</i>		
Total derivative financial instruments, after consideration of further netting potential	11.5		15.2		

As of 31.12.18, USD billion

Derivative financial instruments^{1,2}					
Interest rate contracts	37.1	1,051	32.7	1,021	10,779
Credit derivative contracts	1.9	74	2.7	78	0
Foreign exchange contracts	53.5	2,626	53.4	2,517	0
Equity / index contracts	31.4	409	35.0	489	106
Commodity contracts	1.8	46	1.5	39	9
Unsettled purchases of non-derivative financial instruments ⁵	0.2	17	0.1	6	
Unsettled sales of non-derivative financial instruments ⁵	0.4	15	0.2	13	
Total derivative financial instruments, based on IFRS netting⁶	126.2	4,239	125.7	4,163	10,894
Further netting potential not recognized on the balance sheet ⁷	(114.8)		(111.7)		
<i>of which: netting of recognized financial liabilities / assets</i>	<i>(90.8)</i>		<i>(90.8)</i>		
<i>of which: netting with collateral received / pledged</i>	<i>(24.0)</i>		<i>(20.9)</i>		
Total derivative financial instruments, after consideration of further netting potential	11.4		14.0		

¹ Derivative financial liabilities as of 30 September 2019 include USD 12 million related to derivative loan commitments (30 June 2019: USD 14 million; 31 December 2018: USD 17 million). No notional amounts related to these commitments are included in this table, but they are disclosed in Note 16 under Loan commitments. ² Includes certain forward starting repurchase and reverse repurchase agreements that are classified as measured at fair value through profit or loss and are recognized within derivative instruments. The fair value of these derivative instruments was not material as of 30 September 2019, 30 June 2019 or 31 December 2018. No notional amounts related to these instruments are included in this table, but they are disclosed in Note 16 under Forward starting transactions. ³ In cases where derivative financial instruments are presented on a net basis on the balance sheet, the respective notional values of the netted derivative financial instruments are still presented on a gross basis. ⁴ Other notional values relate to derivatives that are cleared through either a central counterparty or an exchange. The fair value of these derivatives is presented on the balance sheet net of the corresponding cash margin under Cash collateral receivables on derivative instruments and Cash collateral payables on derivative instruments and was not material for all periods presented. ⁵ Changes in the fair value of purchased and sold non-derivative financial instruments between trade date and settlement date are recognized as derivative financial instruments. ⁶ Financial assets and liabilities are presented net on the balance sheet if UBS AG has the unconditional and legally enforceable right to offset the recognized amounts, both in the normal course of business and in the event of default, bankruptcy or insolvency of the entity and all of the counterparties, and intends either to settle on a net basis or to realize the asset and settle the liability simultaneously. ⁷ Reflects the netting potential in accordance with enforceable master netting and similar arrangements where not all criteria for a net presentation on the balance sheet have been met. Refer to "Note 25 Offsetting financial assets and financial liabilities" in the "Consolidated financial statements" section of the Annual Report 2018 for more information.

Note 11 Derivative instruments (continued)**b) Cash collateral on derivative instruments**

<i>USD billion</i>	Receivables 30.9.19	Payables 30.9.19	Receivables 30.6.19	Payables 30.6.19	Receivables 31.12.18	Payables 31.12.18
Cash collateral on derivative instruments, based on IFRS netting ¹	25.7	32.3	23.8	31.4	23.6	28.9
Further netting potential not recognized on the balance sheet ²	(15.5)	(18.9)	(14.2)	(17.9)	(14.5)	(15.4)
<i>of which: netting of recognized financial liabilities / assets</i>	(14.6)	(17.3)	(13.4)	(16.2)	(13.5)	(14.2)
<i>of which: netting with collateral received / pledged</i>	(0.9)	(1.5)	(0.7)	(1.7)	(1.0)	(1.2)
Cash collateral on derivative instruments, after consideration of further netting potential	10.2	13.4	9.6	13.5	9.1	13.5

¹ Financial assets and liabilities are presented net on the balance sheet if UBS has the unconditional and legally enforceable right to offset the recognized amounts, both in the normal course of business and in the event of default, bankruptcy or insolvency of UBS or its counterparties, and intends either to settle on a net basis or to realize the asset and settle the liability simultaneously. ² Reflects the netting potential in accordance with enforceable master netting and similar arrangements where not all criteria for a net presentation on the balance sheet have been met. Refer to "Note 25 Offsetting financial assets and financial liabilities" in the "Consolidated financial statements" section of the Annual Report 2018 for more information.

Note 12 Other assets and liabilities**a) Other financial assets measured at amortized cost**

<i>USD million</i>	30.9.19	30.6.19	31.12.18
Debt securities	14,291	12,906	13,562
<i>of which: government bills / bonds</i>	9,048	8,163	8,778
Loans to financial advisors ¹	3,004	3,075	3,291
Fee- and commission-related receivables	1,735	1,830	1,644
Finance lease receivables ²	1,389	1,259	1,091
Settlement and clearing accounts	564	582	1,039
Accrued interest income	789	821	700
Other	1,826	1,752	1,310
Total other financial assets measured at amortized cost	23,597	22,225	22,637

¹ Related to financial advisors in the US and Canada. ² Upon adoption of IFRS 16 on 1 January 2019, Finance lease receivables increased by USD 176 million. Refer to Note 1 for more information.

b) Other non-financial assets

<i>USD million</i>	30.9.19	30.6.19	31.12.18
Precious metals and other physical commodities	4,193	3,920	4,298
Bail deposit ¹	1,255	1,306	1,312
Prepaid expenses	709	760	731
Net defined benefit pension and post-employment assets ²	1,601	3	0
VAT and other tax receivables	290	290	282
Properties and other non-current assets held for sale	96	98	82
Other	436	456	358
Total other non-financial assets	8,580	6,833	7,062

¹ Refer to item 1 in Note 15b for more information. ² Net defined benefit pension assets of USD 1,601 million as of 30 September 2019 reflected the surplus of the Swiss pension plan. Following a 36-basis-point decrease in the applicable discount rate during the third quarter of 2019, the estimated future economic benefit of the Swiss pension plan turned positive and exceeded the plan's surplus. As a result, the full surplus of the plan was recognized as of 30 September 2019.

Note 12 Other assets and liabilities (continued)

c) Other financial liabilities measured at amortized cost

<i>USD million</i>	30.9.19	30.6.19	31.12.18
Other accrued expenses	1,516	1,565	1,911
Accrued interest expenses	1,322	1,441	1,501
Settlement and clearing accounts	2,207	1,787	1,477
Lease liabilities ¹	3,633	3,777	
Other	2,383	2,358	2,688
Total other financial liabilities measured at amortized cost	11,062	10,927	7,576

¹ Relates to lease liabilities of USD 3,956 million recognized upon adoption of IFRS 16 on 1 January 2019. Refer to Note 1 for more information.

d) Other financial liabilities designated at fair value

<i>USD million</i>	30.9.19	30.6.19	31.12.18
Financial liabilities related to unit-linked investment contracts	25,422	25,087	21,679
Securities financing transactions	7,304	7,436	9,461
Over-the-counter debt instruments	2,024	1,828	2,450
<i>of which: life-to-date own credit (gain) / loss</i>	(42)	(26)	(51)
Other	32	56	5
Total other financial liabilities designated at fair value	34,782	34,407	33,594

e) Other non-financial liabilities

<i>USD million</i>	30.9.19	30.6.19	31.12.18
Compensation-related liabilities	4,023	3,578	4,645
<i>of which: financial advisor compensation plans</i>	1,388	1,295	1,454
<i>of which: other compensation plans</i>	1,408	986	1,929
<i>of which: net defined benefit pension and post-employment liabilities</i>	802	871	773
<i>of which: other compensation-related liabilities¹</i>	425	427	490
Current and deferred tax liabilities	1,352	1,061	915
VAT and other tax payables	436	405	403
Deferred income	160	168	215
Other	89	89	98
Total other non-financial liabilities	6,059	5,301	6,275

¹ Includes liabilities for payroll taxes and untaken vacation.

Note 13 Debt issued designated at fair value

<i>USD million</i>	30.9.19	30.6.19	31.12.18
Issued debt instruments			
Equity-linked ¹	40,820	42,812	34,392
Rates-linked	15,818	14,449	12,073
Credit-linked	3,036	3,310	3,282
Fixed-rate	4,930	5,007	5,099
Other	2,106	2,405	2,185
Total debt issued designated at fair value	66,709	67,984	57,031
<i>of which: life-to-date own credit (gain) / loss</i>	(20)	(34)	(270)

¹ Includes investment fund unit-linked instruments issued.

Note 14 Debt issued measured at amortized cost

<i>USD million</i>	30.9.19	30.6.19	31.12.18
Certificates of deposit	5,278	4,523	7,980
Commercial paper	17,826	17,266	27,514
Other short-term debt	2,616	2,902	3,531
Short-term debt¹	25,719	24,692	39,025
Senior unsecured debt	24,257	30,707	32,135
Covered bonds	3,682	3,853	3,947
Subordinated debt	7,567	7,649	7,511
<i>of which: low-trigger loss-absorbing tier 2 capital instruments</i>	6,873	6,947	6,808
<i>of which: non-Basel III-compliant tier 2 capital instruments</i>	534	702	703
Debt issued through the Swiss central mortgage institutions	8,463	8,724	8,569
Other long-term debt	51	54	58
Long-term debt²	44,020	50,988	52,220
Total debt issued measured at amortized cost³	69,739	75,679	91,245

¹ Debt with an original maturity of less than one year. ² Debt with an original maturity greater than or equal to one year. The classification of debt issued into short-term and long-term does not consider any early redemption features. ³ Net of bifurcated embedded derivatives, the fair value of which was not material for the periods presented.

Note 15 Provisions and contingent liabilities

a) Provisions

The table below presents an overview of total provisions recognized under both IAS 37 and IFRS 9.

USD million	30.9.19	30.6.19	31.12.18
Provisions recognized under IAS 37	2,825	2,855	3,341
Provisions for off-balance sheet financial instruments	66	80	79
Provisions for other credit lines	38	42	37
Total provisions	2,928	2,978	3,457

The following table presents additional information for provisions recognized under IAS 37.

USD million	Operational risks ²	Litigation, regulatory and similar matters ³	Restructuring	Real estate	Employee benefits ⁵	Other	Total
Balance as of 31 December 2018	45	2,827	215	122	55	77	3,341
Adjustment from adoption of IFRS 16 ¹	0	0	(103)	(28)	0	0	(131)
Balance as of 1 January 2019	45	2,827	112	94	55	77	3,210
Balance as of 30 June 2019	43	2,509	86	90	55	73	2,855
Increase in provisions recognized in the income statement	2	72	12	0	1	2	88
Release of provisions recognized in the income statement	0	(4)	(8)	0	(1)	0	(14)
Provisions used in conformity with designated purpose	(3)	(44)	(19)	(1)	0	(2)	(69)
Capitalized reinstatement costs	0	0	0	(1)	0	0	(1)
Foreign currency translation / unwind of discount	(1)	(29)	(1)	(2)	(1)	(2)	(36)
Balance as of 30 September 2019	41	2,503	70⁴	87⁵	53	71	2,825

¹ Refer to Note 1 for more information. ² Comprises provisions for losses resulting from security risks and transaction processing risks. ³ Comprises provisions for losses resulting from legal, liability and compliance risks. ⁴ Primarily consists of personnel-related restructuring provisions of USD 8 million as of 30 September 2019 (30 June 2019: USD 18 million; 31 December 2018: USD 40 million) and provisions for onerous contracts of USD 57 million as of 30 September 2019 (30 June 2019: USD 63 million; 31 December 2018: USD 170 million). ⁵ Consists of reinstatement costs for leasehold improvements of USD 79 million as of 30 September 2019 (30 June 2019: USD 82 million; 31 December 2018: USD 83 million) and provisions for onerous contracts of USD 8 million as of 30 September 2019 (30 June 2019: USD 9 million; 31 December 2018: USD 40 million). ⁶ Includes provisions for sabbatical and anniversary awards.

Restructuring provisions primarily relate to onerous contracts and severance payments. Onerous contracts for property are recognized when UBS AG is committed to pay for non-lease components, such as utilities, when a property is vacated or not fully recovered from subtenants. Severance-related provisions are used within a short time period, usually within six months, but potential changes in amount may be triggered when natural

staff attrition reduces the number of people affected by a restructuring event and therefore the estimated costs.

Information about provisions and contingent liabilities in respect of litigation, regulatory and similar matters, as a class, is included in Note 15b. There are no material contingent liabilities associated with the other classes of provisions.

Note 15 Provisions and contingent liabilities (continued)

b) Litigation, regulatory and similar matters

UBS operates in a legal and regulatory environment that exposes it to significant litigation and similar risks arising from disputes and regulatory proceedings. As a result, UBS (which for purposes of this Note may refer to UBS AG and / or one or more of its subsidiaries, as applicable) is involved in various disputes and legal proceedings, including litigation, arbitration, and regulatory and criminal investigations.

Such matters are subject to many uncertainties, and the outcome and the timing of resolution are often difficult to predict, particularly in the earlier stages of a case. There are also situations where UBS may enter into a settlement agreement. This may occur in order to avoid the expense, management distraction or reputational implications of continuing to contest liability, even for those matters for which UBS believes it should be exonerated. The uncertainties inherent in all such matters affect the amount and timing of any potential outflows for both matters with respect to which provisions have been established and other contingent liabilities. UBS makes provisions for such matters brought against it when, in the opinion of management after seeking legal advice, it is more likely than not that UBS has a present legal or constructive obligation as a result of past events, it is probable that an outflow of resources will be required, and the amount can be reliably estimated. Where these factors are otherwise satisfied, a provision may be established for claims that have not yet been asserted against

UBS, but are nevertheless expected to be, based on UBS's experience with similar asserted claims. If any of those conditions is not met, such matters result in contingent liabilities. If the amount of an obligation cannot be reliably estimated, a liability exists that is not recognized even if an outflow of resources is probable. Accordingly, no provision is established even if the potential outflow of resources with respect to such matters could be significant. Developments relating to a matter that occur after the relevant reporting period, but prior to the issuance of financial statements, which affect management's assessment of the provision for such matter (because, for example, the developments provide evidence of conditions that existed at the end of the reporting period), are adjusting events after the reporting period under IAS 10 and must be recognized in the financial statements for the reporting period.

Specific litigation, regulatory and other matters are described below, including all such matters that management considers to be material and others that management believes to be of significance due to potential financial, reputational and other effects. The amount of damages claimed, the size of a transaction or other information is provided where available and appropriate in order to assist users in considering the magnitude of potential exposures.

Note 15 Provisions and contingent liabilities (continued)

In the case of certain matters below, we state that we have established a provision, and for the other matters, we make no such statement. When we make this statement and we expect disclosure of the amount of a provision to prejudice seriously our position with other parties in the matter because it would reveal what UBS believes to be the probable and reliably estimable outflow, we do not disclose that amount. In some cases we are subject to confidentiality obligations that preclude such disclosure. With respect to the matters for which we do not state whether we have established a provision, either (a) we have not established a provision, in which case the matter is treated as a contingent liability under the applicable accounting standard; or (b) we have established a provision but expect disclosure of that fact to prejudice seriously our position with other parties in the matter because it would reveal the fact that UBS believes an outflow of resources to be probable and reliably estimable.

With respect to certain litigation, regulatory and similar matters for which we have established provisions, we are able to estimate the expected timing of outflows. However, the aggregate amount of the expected outflows for those matters for which we are able to estimate expected timing is immaterial relative to our current and expected levels of liquidity over the relevant time periods.

The aggregate amount provisioned for litigation, regulatory and similar matters as a class is disclosed in the "Provisions" table in Note 15a above. It is not practicable to provide an aggregate estimate of liability for our litigation, regulatory and similar matters as a class of contingent liabilities. Doing so would require us to provide speculative legal assessments as to claims and proceedings that involve unique fact patterns or novel legal theories, that have not yet been initiated or are at early stages of adjudication, or as to which alleged damages have not been quantified by the claimants. Although we therefore cannot

provide a numerical estimate of the future losses that could arise from litigation, regulatory and similar matters, we believe that the aggregate amount of possible future losses from this class that are more than remote substantially exceeds the level of current provisions.

Litigation, regulatory and similar matters may also result in non-monetary penalties and consequences. For example, the non-prosecution agreement described in item 5 of this Note, which we entered into with the US Department of Justice (DOJ), Criminal Division, Fraud Section in connection with our submissions of benchmark interest rates, including, among others, the British Bankers' Association London Interbank Offered Rate (LIBOR), was terminated by the DOJ based on its determination that we had committed a US crime in relation to foreign exchange matters. As a consequence, UBS AG pleaded guilty to one count of wire fraud for conduct in the LIBOR matter, paid a fine and is subject to probation through January 2020.

A guilty plea to, or conviction of, a crime could have material consequences for UBS. Resolution of regulatory proceedings may require us to obtain waivers of regulatory disqualifications to maintain certain operations, may entitle regulatory authorities to limit, suspend or terminate licenses and regulatory authorizations, and may permit financial market utilities to limit, suspend or terminate our participation in such utilities. Failure to obtain such waivers, or any limitation, suspension or termination of licenses, authorizations or participations, could have material consequences for UBS.

The risk of loss associated with litigation, regulatory and similar matters is a component of operational risk for purposes of determining our capital requirements. Information concerning our capital requirements and the calculation of operational risk for this purpose is included in the "Capital management" section of the UBS Group third quarter 2019 report.

Provisions for litigation, regulatory and similar matters by business division and in Corporate Center¹

<i>USD million</i>	Global Wealth Manage- ment	Personal & Corporate Banking	Asset Manage- ment	Investment Bank	Corporate Center	UBS
Balance as of 31 December 2018	1,003	117	0	269	1,438	2,827
Balance as of 30 June 2019	858	114	0	202	1,334	2,509
Increase in provisions recognized in the income statement	71	0	0	0	0	72
Release of provisions recognized in the income statement	(1)	0	0	0	(4)	(4)
Provisions used in conformity with designated purpose	(42)	(1)	0	0	(1)	(44)
Foreign currency translation / unwind of discount	(20)	(4)	0	(5)	(1)	(29)
Balance as of 30 September 2019	867	110	0	197	1,329	2,503

¹ Provisions, if any, for the matters described in this disclosure are recorded in Global Wealth Management (item 3, item 4 and item 7) and Corporate Center (item 2). Provisions, if any, for the matters described in items 1 and 6 of this disclosure are allocated between Global Wealth Management and Personal & Corporate Banking, and provisions, if any, for the matters described in this disclosure in item 5 are allocated between the Investment Bank and Corporate Center.

Note 15 Provisions and contingent liabilities (continued)

1. Inquiries regarding cross-border wealth management businesses

Tax and regulatory authorities in a number of countries have made inquiries, served requests for information or examined employees located in their respective jurisdictions relating to the cross-border wealth management services provided by UBS and other financial institutions. It is possible that the implementation of automatic tax information exchange and other measures relating to cross-border provision of financial services could give rise to further inquiries in the future. UBS has received disclosure orders from the Swiss Federal Tax Administration (FTA) to transfer information based on requests for international administrative assistance in tax matters. The requests concern a number of UBS account numbers pertaining to current and former clients and are based on data from 2006 and 2008. UBS has taken steps to inform affected clients about the administrative assistance proceedings and their procedural rights, including the right to appeal. The requests are based on data received from the German authorities, who seized certain data related to UBS clients booked in Switzerland during their investigations and have apparently shared this data with other European countries. UBS expects additional countries to file similar requests.

The Swiss Federal Administrative Court ruled in 2016 that, in the administrative assistance proceedings related to a French bulk request, UBS has the right to appeal all final FTA client data disclosure orders. On 30 July 2018, the Swiss Federal Administrative Court granted UBS's appeal by holding the French administrative assistance request inadmissible. The FTA filed a final appeal with the Swiss Federal Supreme Court. The Supreme Court on 26 July 2019, reversed the decision of the Federal Administrative Court. The judges also stated that the FTA must ensure that the French authorities respect the principle of "speciality", which requires the information furnished may only be used for the purposes specified in the request.

Since 2013, UBS (France) S.A., UBS AG and certain former employees have been under investigation in France for alleged complicity in unlawful solicitation of clients on French territory, regarding the laundering of proceeds of tax fraud, and banking and financial solicitation by unauthorized persons. In connection with this investigation, the investigating judges ordered UBS AG to provide bail ("caution") of EUR 1.1 billion and UBS (France) S.A. to post bail of EUR 40 million, which was reduced on appeal to EUR 10 million.

A trial in the court of first instance took place from 8 October 2018 until 15 November 2018. On 20 February 2019, the court announced a verdict finding UBS AG guilty of unlawful solicitation of clients on French territory and aggravated laundering of the proceeds of tax fraud, and UBS France S.A. guilty of aiding and abetting unlawful solicitation and laundering the proceeds of tax fraud. The court imposed fines aggregating EUR 3.7 billion on UBS AG and UBS France S.A. and awarded EUR 800 million of civil damages to the French state. UBS has appealed the decision. Under French law, the judgment is

suspended while the appeal is pending. The Court of Appeal will retry the case de novo as to both the law and the facts, and the fines and penalties can be greater than or less than those imposed by the court of first instance. A subsequent appeal to the Cour de Cassation, France's highest court, is possible with respect to questions of law.

UBS believes that based on both the law and the facts the judgment of the court of first instance should be reversed. UBS believes it followed its obligations under Swiss and French law as well as the European Savings Tax Directive. Even assuming liability, which it contests, UBS believes the penalties and damage amounts awarded greatly exceed the amounts that could be supported by the law and the facts. In particular, UBS believes the court incorrectly based the penalty on the total regularized assets rather than on any unpaid taxes on those assets for which a fraud has been characterized and further incorrectly awarded damages based on costs that were not proven by the civil party. Notwithstanding that UBS believes it should be acquitted, our balance sheet at 30 September 2019 reflected provisions with respect to this matter in an amount of USD 516 million. The wide range of possible outcomes in this case contributes to a high degree of estimation uncertainty. The provision reflected on our balance sheet at 30 September 2019 reflects our best estimate of possible financial implications, although it is reasonably possible that actual penalties and civil damages could exceed the provision amount.

In 2016, UBS was notified by the Belgian investigating judge that it is under formal investigation ("inculpé") regarding the laundering of proceeds of tax fraud, of banking and financial solicitation by unauthorized persons, and of serious tax fraud. In 2018, tax authorities and a prosecutor's office in Italy asserted that UBS is potentially liable for taxes and penalties as a result of its activities in Italy from 2012 to 2017. In June 2019, UBS entered into a settlement agreement with the Italian tax authorities under which it paid EUR 101 million to resolve the claims asserted by the authority related to UBS AG's potential permanent establishment in Italy. In October 2019, the Judge of Preliminary Investigations of the Milan Court approved an agreement with the Milan prosecutor under Article 63 of Italian Administrative Law 231 under which UBS AG, UBS Switzerland AG and UBS Monaco will pay an aggregate of EUR 10.3 million to resolve claims premised on the alleged inadequacy of historical internal controls. No admission of wrongdoing was required in connection with this resolution.

Our balance sheet at 30 September 2019 reflected provisions with respect to matters described in this item 1 in an amount that UBS believes to be appropriate under the applicable accounting standard. As in the case of other matters for which we have established provisions, the future outflow of resources in respect of such matters cannot be determined with certainty based on currently available information and accordingly may ultimately prove to be substantially greater (or may be less) than the provision that we have recognized.

Note 15 Provisions and contingent liabilities (continued)

2. Claims related to sales of residential mortgage-backed securities and mortgages

From 2002 through 2007, prior to the crisis in the US residential loan market, UBS was a substantial issuer and underwriter of US residential mortgage-backed securities (RMBS) and was a purchaser and seller of US residential mortgages. A subsidiary of UBS, UBS Real Estate Securities Inc. (UBS RESI), acquired pools of residential mortgage loans from originators and (through an affiliate) deposited them into securitization trusts. In this manner, from 2004 through 2007, UBS RESI sponsored approximately USD 80 billion in RMBS, based on the original principal balances of the securities issued.

UBS RESI also sold pools of loans acquired from originators to third-party purchasers. These whole loan sales during the period 2004 through 2007 totaled approximately USD 19 billion in original principal balance.

UBS was not a significant originator of US residential loans. A branch of UBS originated approximately USD 1.5 billion in US residential mortgage loans during the period in which it was active from 2006 to 2008 and securitized less than half of these loans.

Lawsuits related to contractual representations and warranties concerning mortgages and RMBS: When UBS acted as an RMBS sponsor or mortgage seller, it generally made certain representations relating to the characteristics of the underlying loans. In the event of a material breach of these representations, UBS was in certain circumstances contractually obligated to repurchase the loans to which the representations related or to indemnify certain parties against losses. In 2012, certain RMBS trusts filed an action in the US District Court for the Southern District of New York seeking to enforce UBS RESI's obligation to repurchase loans in the collateral pools for three RMBS securitizations issued and underwritten by UBS with an original principal balance of approximately USD 2 billion. In July 2018, UBS and the trustee entered into an agreement under which UBS will pay USD 850 million to resolve this matter. A significant portion of this amount will be borne by other parties that indemnified UBS. The settlement remains subject to court approval and proceedings to determine how the settlement funds will be distributed to RMBS holders. After giving effect to this settlement, UBS considers claims relating to substantially all loan repurchase demands to be resolved and believes that new demands to repurchase US residential mortgage loans are time-barred under a decision rendered by the New York Court of Appeals.

Mortgage-related regulatory matters: Since 2014, the US Attorney's Office for the Eastern District of New York has sought information from UBS pursuant to the Financial Institutions Reform, Recovery and Enforcement Act of 1989 (FIRREA), related to UBS's RMBS business from 2005 through 2007. On 8 November 2018, the DOJ filed a civil complaint in the District Court for the Eastern District of New York. The complaint seeks unspecified civil monetary penalties under FIRREA related to UBS's issuance, underwriting and sale of 40 RMBS transactions in 2006 and 2007. UBS moved to dismiss the civil complaint on 6 February 2019.

Our balance sheet at 30 September 2019 reflected a provision with respect to matters described in this item 2 in an amount that UBS believes to be appropriate under the applicable accounting standard. As in the case of other matters for which we have established provisions, the future outflow of resources in respect of this matter cannot be determined with certainty based on currently available information and accordingly may ultimately prove to be substantially greater (or may be less) than the provision that we have recognized.

3. Madoff

In relation to the Bernard L. Madoff Investment Securities LLC (BMIS) investment fraud, UBS AG, UBS (Luxembourg) S.A. (now UBS Europe SE, Luxembourg branch) and certain other UBS subsidiaries have been subject to inquiries by a number of regulators, including the Swiss Financial Market Supervisory Authority (FINMA) and the Luxembourg Commission de Surveillance du Secteur Financier. Those inquiries concerned two third-party funds established under Luxembourg law, substantially all assets of which were with BMIS, as well as certain funds established in offshore jurisdictions with either direct or indirect exposure to BMIS. These funds faced severe losses, and the Luxembourg funds are in liquidation. The documentation establishing both funds identifies UBS entities in various roles, including custodian, administrator, manager, distributor and promoter, and indicates that UBS employees serve as board members.

In 2009 and 2010, the liquidators of the two Luxembourg funds filed claims against UBS entities, non-UBS entities and certain individuals, including current and former UBS employees, seeking amounts totaling approximately EUR 2.1 billion, which includes amounts that the funds may be held liable to pay the trustee for the liquidation of BMIS (BMIS Trustee).

Note 15 Provisions and contingent liabilities (continued)

A large number of alleged beneficiaries have filed claims against UBS entities (and non-UBS entities) for purported losses relating to the Madoff fraud. The majority of these cases have been filed in Luxembourg, where decisions that the claims in eight test cases were inadmissible have been affirmed by the Luxembourg Court of Appeal, and the Luxembourg Supreme Court has dismissed a further appeal in one of the test cases.

In the US, the BMIS Trustee filed claims against UBS entities, among others, in relation to the two Luxembourg funds and one of the offshore funds. The total amount claimed against all defendants in these actions was not less than USD 2 billion. In 2014, the US Supreme Court rejected the BMIS Trustee's motion for leave to appeal decisions dismissing all claims except those for the recovery of approximately USD 125 million of payments alleged to be fraudulent conveyances and preference payments. In 2016, the bankruptcy court dismissed these claims against the UBS entities. The BMIS Trustee appealed. In February 2019, the Court of Appeals reversed the dismissal of the BMIS Trustee's remaining claims. In August 2019, the defendants, including UBS, filed a petition to the US Supreme Court requesting that it review the Court of Appeals' decision. The bankruptcy proceedings have been stayed pending a decision with respect to that petition.

4. Puerto Rico

Declines since 2013 in the market prices of Puerto Rico municipal bonds and of closed-end funds (funds) that are sole-managed and co-managed by UBS Trust Company of Puerto Rico and distributed by UBS Financial Services Incorporated of Puerto Rico (UBS PR) have led to multiple regulatory inquiries, as well as customer complaints and arbitrations with aggregate claimed damages of USD 3.4 billion, of which claims with aggregate claimed damages of USD 2.4 billion have been resolved through settlements, arbitration or withdrawal of the claim. The claims have been filed by clients in Puerto Rico who own the funds or Puerto Rico municipal bonds and / or who used their UBS account assets as collateral for UBS non-purpose loans; customer complaint and arbitration allegations include fraud, misrepresentation and unsuitability of the funds and of the loans.

A shareholder derivative action was filed in 2014 against various UBS entities and current and certain former directors of the funds, alleging hundreds of millions of US dollars in losses in the funds. In 2015, defendants' motion to dismiss was denied and a request for permission to appeal that ruling was denied by the Puerto Rico Supreme Court. In 2014, a federal class action complaint also was filed against various UBS entities, certain members of UBS PR senior management and the co-manager of certain of the funds, seeking damages for investor losses in the funds during the period from May 2008 through May 2014. Following denial of the plaintiffs' motion for class certification, the case was dismissed in October 2018.

In 2014 and 2015, UBS entered into settlements with the Office of the Commissioner of Financial Institutions for the Commonwealth of Puerto Rico, the US Securities and Exchange Commission (SEC) and the Financial Industry Regulatory Authority in relation to their examinations of UBS's operations.

In 2011, a purported derivative action was filed on behalf of the Employee Retirement System of the Commonwealth of Puerto Rico (System) against over 40 defendants, including UBS PR, which was named in connection with its underwriting and consulting services. Plaintiffs alleged that defendants violated their purported fiduciary duties and contractual obligations in connection with the issuance and underwriting of USD 3 billion of bonds by the System in 2008 and sought damages of over USD 800 million. In 2016, the court granted the System's request to join the action as a plaintiff, but ordered that plaintiffs must file an amended complaint. In 2017, the court denied defendants' motion to dismiss the amended complaint.

Beginning in 2015, and continuing through 2017, certain agencies and public corporations of the Commonwealth of Puerto Rico (Commonwealth) defaulted on certain interest payments on Puerto Rico bonds. In 2016, US federal legislation created an oversight board with power to oversee Puerto Rico's finances and to restructure its debt. The oversight board has imposed a stay on the exercise of certain creditors' rights. In 2017, the oversight board placed certain of the bonds into a bankruptcy-like proceeding under the supervision of a Federal District Judge. These events, further defaults or any further legislative action to create a legal means of restructuring Commonwealth obligations or to impose additional oversight on the Commonwealth's finances, or any restructuring of the Commonwealth's obligations, may increase the number of claims against UBS concerning Puerto Rico securities, as well as potential damages sought.

In May 2019, the oversight board filed complaints in Puerto Rico federal district court bringing claims against financial, legal and accounting firms that had participated in Puerto Rico municipal bond offerings, including UBS, seeking a return of underwriting and swap fees paid in connection with those offerings. UBS estimates that it received approximately USD 125 million in fees in the relevant offerings.

In August 2019, two US insurance companies that insured issues of Puerto Rico municipal bonds sued UBS and seven other underwriters of Puerto Rico municipal bonds, alleging an aggregate of USD 720 million in damages from the defendants. The plaintiffs allege that defendants failed to reasonably investigate financial statements in the offering materials for the insured Puerto Rico bonds issued between 2002 and 2007, which plaintiffs allege they relied upon in agreeing to insure the bonds notwithstanding that they had no contractual relationship with the underwriters.

Note 15 Provisions and contingent liabilities (continued)

Our balance sheet at 30 September 2019 reflected provisions with respect to matters described in this item 4 in amounts that UBS believes to be appropriate under the applicable accounting standard. As in the case of other matters for which we have established provisions, the future outflow of resources in respect of such matters cannot be determined with certainty based on currently available information and accordingly may ultimately prove to be substantially greater (or may be less) than the provisions that we have recognized.

5. Foreign exchange, LIBOR and benchmark rates, and other trading practices

Foreign exchange-related regulatory matters: Beginning in 2013, numerous authorities commenced investigations concerning possible manipulation of foreign exchange markets and precious metals prices. In 2014 and 2015, UBS reached settlements with the UK Financial Conduct Authority (FCA) and the US Commodity Futures Trading Commission (CFTC) in connection with their foreign exchange investigations, FINMA issued an order concluding its formal proceedings relating to UBS's foreign exchange and precious metals businesses, and the Board of Governors of the Federal Reserve System (Federal Reserve Board) and the Connecticut Department of Banking issued a Cease and Desist Order and assessed monetary penalties against UBS AG. In 2015, the DOJ's Criminal Division terminated the 2012 non-prosecution agreement with UBS AG related to UBS's submissions of benchmark interest rates, and UBS AG pleaded guilty to one count of wire fraud, paid a fine and is subject to probation through January 2020. In 2019 the European Commission announced two decisions with respect to foreign exchange trading. UBS was granted immunity by the European Commission in these matters and therefore was not fined. UBS has ongoing obligations to cooperate with these authorities and to undertake certain remediation measures. UBS has also been granted conditional immunity by the Antitrust Division of the DOJ and by authorities in other jurisdictions in connection with potential competition law violations relating to foreign exchange and precious metals businesses. Investigations relating to foreign exchange matters by certain authorities remain ongoing notwithstanding these resolutions.

Foreign exchange-related civil litigation: Putative class actions have been filed since 2013 in US federal courts and in other jurisdictions against UBS and other banks on behalf of putative classes of persons who engaged in foreign currency transactions with any of the defendant banks. UBS has resolved US federal court class actions relating to foreign currency transactions with the defendant banks and persons who transacted in foreign

exchange futures contracts and options on such futures under a settlement agreement that provides for UBS to pay an aggregate of USD 141 million and provide cooperation to the settlement classes. Certain class members have excluded themselves from that settlement and have filed individual actions in US and English courts against UBS and other banks, alleging violations of US and European competition laws and unjust enrichment.

In 2015, a putative class action was filed in federal court against UBS and numerous other banks on behalf of persons and businesses in the US who directly purchased foreign currency from the defendants and alleged co-conspirators for their own end use. In March 2017, the court granted UBS's (and the other banks') motions to dismiss the complaint. The plaintiffs filed an amended complaint in August 2017. In March 2018, the court denied the defendants' motions to dismiss the amended complaint.

In 2017, two putative class actions were filed in federal court in New York against UBS and numerous other banks on behalf of persons and entities who had indirectly purchased foreign exchange instruments from a defendant or co-conspirator in the US, and a consolidated complaint was filed in June 2017. In March 2018, the court dismissed the consolidated complaint. In October 2018, the court granted plaintiffs' motion seeking leave to file an amended complaint.

LIBOR and other benchmark-related regulatory matters: Numerous government agencies, including the SEC, the CFTC, the DOJ, the FCA, the UK Serious Fraud Office, the Monetary Authority of Singapore, the Hong Kong Monetary Authority, FINMA, various state attorneys general in the US and competition authorities in various jurisdictions have conducted investigations regarding potential improper attempts by UBS, among others, to manipulate LIBOR and other benchmark rates at certain times. UBS reached settlements or otherwise concluded investigations relating to benchmark interest rates with the investigating authorities. UBS has ongoing obligations to cooperate with the authorities with whom we have reached resolutions and to undertake certain remediation measures with respect to benchmark interest rate submissions. UBS has been granted conditional leniency or conditional immunity from authorities in certain jurisdictions, including the Antitrust Division of the DOJ and the Swiss Competition Commission (WEKO), in connection with potential antitrust or competition law violations related to certain rates. However, UBS has not reached a final settlement with WEKO, as the Secretariat of WEKO has asserted that UBS does not qualify for full immunity.

Note 15 Provisions and contingent liabilities (continued)

LIBOR and other benchmark-related civil litigation: A number of putative class actions and other actions are pending in the federal courts in New York against UBS and numerous other banks on behalf of parties who transacted in certain interest rate benchmark-based derivatives. Also pending in the US and in other jurisdictions are a number of other actions asserting losses related to various products whose interest rates were linked to LIBOR and other benchmarks, including adjustable rate mortgages, preferred and debt securities, bonds pledged as collateral, loans, depository accounts, investments and other interest-bearing instruments. The complaints allege manipulation, through various means, of certain benchmark interest rates, including USD LIBOR, Euroyen TIBOR, Yen LIBOR, EURIBOR, CHF LIBOR, GBP LIBOR, SGD SIBOR and SOR and Australian BBSW, and seek unspecified compensatory and other damages under varying legal theories.

USD LIBOR class and individual actions in the US: In 2013 and 2015, the district court in the USD LIBOR actions dismissed, in whole or in part, certain plaintiffs' antitrust claims, federal racketeering claims, CEA claims, and state common law claims. Although the Second Circuit vacated the district court's judgment dismissing antitrust claims, the district court again dismissed antitrust claims against UBS in 2016. Certain plaintiffs have appealed that decision to the Second Circuit. Separately, in 2018, the Second Circuit reversed in part the district court's 2015 decision dismissing certain individual plaintiffs' claims and certain of these actions are now proceeding. UBS entered into an agreement in 2016 with representatives of a class of bondholders to settle their USD LIBOR class action. The agreement has received preliminary court approval and remains subject to final approval. In 2018, the district court denied plaintiffs' motions for class certification in the USD class actions for claims pending against UBS, and plaintiffs sought permission to appeal that ruling to the Second Circuit. In July 2018, the Second Circuit denied the petition to appeal of the class of USD lenders and in November 2018 denied the petition of the USD exchange class. In January 2019, a putative class action was filed in the District Court for the Southern District of New York against UBS and numerous other banks on behalf of US residents who, since 1 February 2014, directly transacted with a defendant bank in USD LIBOR instruments. The complaint asserts antitrust claims. The defendants moved to dismiss the complaint on 30 August 2019.

Other benchmark class actions in the US: In 2014, the court in one of the Euroyen TIBOR lawsuits dismissed certain of the plaintiffs' claims, including a federal antitrust claim, for lack of standing. In 2015, this court dismissed the plaintiffs' federal racketeering claims on the same basis and affirmed its previous

dismissal of the plaintiffs' antitrust claims against UBS. In 2017, this court also dismissed the other Yen LIBOR / Euroyen TIBOR action in its entirety on standing grounds, as did the court in the CHF LIBOR action. Also in 2017, the courts in the EURIBOR lawsuit dismissed the cases as to UBS and certain other foreign defendants for lack of personal jurisdiction. Plaintiffs in the other Yen LIBOR, Euroyen TIBOR and the EURIBOR actions have appealed the dismissals. In October 2018, the court in the SIBOR / SOR action dismissed all but one of plaintiffs' claims against UBS. Plaintiffs in the CHF LIBOR and SIBOR / SOR actions filed amended complaints following the dismissals, and the courts granted renewed motions to dismiss in July 2019 (SIBOR / SOR) and in September 2019 (CHF LIBOR). Plaintiffs in the SIBOR / SOR action have appealed the dismissal. In November 2018, the court in the BBSW lawsuit dismissed the case as to UBS and certain other foreign defendants for lack of personal jurisdiction. Following that dismissal, plaintiffs in the BBSW action filed an amended complaint in April 2019, which UBS and other defendants named in the amended complaint have moved to dismiss. The court dismissed the GBP LIBOR action in August 2019, and plaintiffs appealed the dismissal in September 2019.

Government bonds: Putative class actions have been filed since 2015 in US federal courts against UBS and other banks on behalf of persons who participated in markets for US Treasury securities since 2007. A consolidated complaint was filed in 2017 in the US District Court for the Southern District of New York alleging that the banks colluded with respect to, and manipulated prices of, US Treasury securities sold at auction and in the secondary market and asserting claims under the antitrust laws and for unjust enrichment. Defendants' motions to dismiss the consolidated complaint are pending.

UBS and reportedly other banks are responding to investigations and requests for information from various authorities regarding US Treasury securities and other government bond trading practices. As a result of its review to date, UBS has taken appropriate action.

With respect to additional matters and jurisdictions not encompassed by the settlements and orders referred to above, our balance sheet at 30 September 2019 reflected a provision in an amount that UBS believes to be appropriate under the applicable accounting standard. As in the case of other matters for which we have established provisions, the future outflow of resources in respect of such matters cannot be determined with certainty based on currently available information and accordingly may ultimately prove to be substantially greater (or may be less) than the provision that we have recognized.

Note 15 Provisions and contingent liabilities (continued)

6. Swiss retrocessions

The Federal Supreme Court of Switzerland ruled in 2012, in a test case against UBS, that distribution fees paid to a firm for distributing third-party and intra-group investment funds and structured products must be disclosed and surrendered to clients who have entered into a discretionary mandate agreement with the firm, absent a valid waiver.

FINMA has issued a supervisory note to all Swiss banks in response to the Supreme Court decision. UBS has met the FINMA requirements and has notified all potentially affected clients.

The Supreme Court decision has resulted, and may continue to result, in a number of client requests for UBS to disclose and potentially surrender retrocessions. Client requests are assessed on a case-by-case basis. Considerations taken into account when assessing these cases include, among other things, the existence of a discretionary mandate and whether or not the client documentation contained a valid waiver with respect to distribution fees.

Our balance sheet at 30 September 2019 reflected a provision with respect to matters described in this item 6 in an amount that UBS believes to be appropriate under the applicable accounting standard. The ultimate exposure will depend on client requests and the resolution thereof, factors that are difficult to predict and assess. Hence, as in the case of other

matters for which we have established provisions, the future outflow of resources in respect of such matters cannot be determined with certainty based on currently available information and accordingly may ultimately prove to be substantially greater (or may be less) than the provision that we have recognized.

7. Securities transaction pricing and disclosure

UBS identified and reported to the relevant authorities instances in which some Global Wealth Management clients booked in Hong Kong and Singapore may have been charged inappropriate spreads on debt securities transactions between 2008 and 2015. UBS intends to reimburse affected customers on a basis agreed with the relevant authorities. UBS expects the relevant authorities will subject UBS to reprimands and fines as a result of their investigations.

Our balance sheet at 30 September 2019 reflected a provision with respect to the matter described in this item 7 in an amount that UBS believes to be appropriate under the applicable accounting standard. The future outflow of resources in respect of this matter cannot be determined with certainty based on currently available information and accordingly may ultimately prove to be greater (or may be less) than the provision that we have recognized.

Note 16 Guarantees, commitments and forward starting transactions

The table below presents the maximum irrevocable amount of guarantees, commitments and forward starting transactions.

	Gross		Total gross	Sub-participations	Net
	Measured at fair value	Not measured at fair value			
<i>As of 30.9.19, USD million</i>					
Total guarantees	1,844	15,570	17,414	(2,833)	14,582
Loan commitments	7,021	27,122	34,143	(776)	33,367
Forward starting transactions¹					
Reverse repurchase agreements	36,559	1,070	37,629		
Securities borrowing agreements		23	23		
Repurchase agreements	20,098	750	20,848		
<i>As of 30.6.19, USD million</i>					
Total guarantees	1,830	16,810	18,640	(2,929)	15,712
Loan commitments	3,990	27,463	31,453	(675)	30,778
Forward starting transactions¹					
Reverse repurchase agreements	32,037	2,240	34,276		
Securities borrowing agreements		19	19		
Repurchase agreements	17,700	1,138	18,838		
<i>As of 31.12.18, USD million</i>					
Total guarantees	1,639	18,146	19,785	(2,803)	16,982
Loan commitments	3,535	31,212	34,747	(647)	34,099
Forward starting transactions¹					
Reverse repurchase agreements	8,117	925	9,042		
Securities borrowing agreements		12	12		
Repurchase agreements	7,926	400	8,326		

¹ Cash to be paid in the future by either UBS or the counterparty.

Note 17 Currency translation rates

The following table shows the rates of the main currencies used to translate the financial information of UBS AG's operations with a functional currency other than the US dollar into US dollars.

	Closing exchange rate				Average rate ¹				
	As of				For the quarter ended			Year-to-date	
	30.9.19	30.6.19	31.12.18	30.9.18	30.9.19	30.6.19	30.9.18	30.9.19	30.9.18
1 CHF	1.00	1.02	1.02	1.02	1.01	1.00	1.02	1.00	1.02
1 EUR	1.09	1.14	1.15	1.16	1.10	1.13	1.16	1.12	1.19
1 GBP	1.23	1.27	1.28	1.30	1.22	1.28	1.30	1.27	1.35
100 JPY	0.92	0.93	0.91	0.88	0.93	0.92	0.89	0.92	0.91

¹ Monthly income statement items of operations with a functional currency other than the US dollar are translated with month-end rates into US dollars. Disclosed average rates for a quarter represent an average of three month-end rates, weighted according to the income and expense volumes of all operations of UBS AG with the same functional currency for each month. Weighted average rates for individual business divisions may deviate from the weighted average rates for UBS AG.

Cautionary Statement Regarding Forward-Looking Statements | This report contains statements that constitute “forward-looking statements,” including but not limited to management’s outlook for UBS’s financial performance and statements relating to the anticipated effect of transactions and strategic initiatives on UBS’s business and future development. While these forward-looking statements represent UBS’s judgments and expectations concerning the matters described, a number of risks, uncertainties and other important factors could cause actual developments and results to differ materially from UBS’s expectations. These factors include, but are not limited to: (i) the degree to which UBS is successful in the ongoing execution of its strategic plans, including its cost reduction and efficiency initiatives and its ability to manage its levels of risk-weighted assets (RWA) and leverage ratio denominator (LRD), including to counteract regulatory-driven increases, liquidity coverage ratio and other financial resources, and the degree to which UBS is successful in implementing changes to its businesses to meet changing market, regulatory and other conditions; (ii) the continuing low or negative interest rate environment in Switzerland and other jurisdictions, developments in the macroeconomic climate and in the markets in which UBS operates or to which it is exposed, including movements in securities prices or liquidity, credit spreads, and currency exchange rates, and the effects of economic conditions, market developments, and geopolitical tensions on the financial position or creditworthiness of UBS’s clients and counterparties as well as on client sentiment and levels of activity; (iii) changes in the availability of capital and funding, including any changes in UBS’s credit spreads and ratings, as well as availability and cost of funding to meet requirements for debt eligible for total loss-absorbing capacity (TLAC); (iv) changes in or the implementation of financial legislation and regulation in Switzerland, the US, the UK, the European Union and other financial centers that have imposed, or resulted in, or may do so in the future, more stringent or entity-specific capital, TLAC, leverage ratio, liquidity and funding requirements, incremental tax requirements, additional levies, limitations on permitted activities, constraints on remuneration, constraints on transfers of capital and liquidity and sharing of operational costs across the Group or other measures, and the effect these will or would have on UBS’s business activities; (v) the degree to which UBS is successful in implementing further changes to its legal structure to improve its resolvability and meet related regulatory requirements and the potential need to make further changes to the legal structure or booking model of UBS Group in response to legal and regulatory requirements, proposals in Switzerland and other jurisdictions for mandatory structural reform of banks or systemically important institutions or to other external developments, and the extent to which such changes will have the intended effects; (vi) UBS’s ability to maintain and improve its systems and controls for the detection and prevention of money laundering and compliance with sanctions to meet evolving regulatory requirements and expectations, in particular in the US; (vii) the uncertainty arising from the timing and nature of the UK’s exit from the EU; (viii) changes in UBS’s competitive position, including whether differences in regulatory capital and other requirements among the major financial centers will adversely affect UBS’s ability to compete in certain lines of business; (ix) changes in the standards of conduct applicable to our businesses that may result from new regulations or new enforcement of existing standards, including recently enacted and proposed measures to impose new and enhanced duties when interacting with customers and in the execution and handling of customer transactions; (x) the liability to which UBS may be exposed, or possible constraints or sanctions that regulatory authorities might impose on UBS, due to litigation, contractual claims and regulatory investigations, including the potential for disqualification from certain businesses, potentially large fines or monetary penalties, or the loss of licenses or privileges as a result of regulatory or other governmental sanctions, as well as the effect that litigation, regulatory and similar matters have on the operational risk component of our RWA as well as the amount of capital available for return to shareholders; (xi) the effects on UBS’s cross-border banking business of tax or regulatory developments and of possible changes in UBS’s policies and practices relating to this business; (xii) UBS’s ability to retain and attract the employees necessary to generate revenues and to manage, support and control its businesses, which may be affected by competitive factors; (xiii) changes in accounting or tax standards or policies, and determinations or interpretations affecting the recognition of gain or loss, the valuation of goodwill, the recognition of deferred tax assets and other matters; (xiv) UBS’s ability to implement new technologies and business methods, including digital services and technologies, and ability to successfully compete with both existing and new financial service providers, some of which may not be regulated to the same extent; (xv) limitations on the effectiveness of UBS’s internal processes for risk management, risk control, measurement and modeling, and of financial models generally; (xvi) the occurrence of operational failures, such as fraud, misconduct, unauthorized trading, financial crime, cyberattacks, and systems failures; (xvii) restrictions on the ability of UBS Group AG to make payments or distributions, including due to restrictions on the ability of its subsidiaries to make loans or distributions, directly or indirectly, or, in the case of financial difficulties, due to the exercise by FINMA or the regulators of UBS’s operations in other countries of their broad statutory powers in relation to protective measures, restructuring and liquidation proceedings; (xviii) the degree to which changes in regulation, capital or legal structure, financial results or other factors may affect UBS’s ability to maintain its stated capital return objective; and (xix) the effect that these or other factors or unanticipated events may have on our reputation and the additional consequences that this may have on our business and performance. The sequence in which the factors above are presented is not indicative of their likelihood of occurrence or the potential magnitude of their consequences. Our business and financial performance could be affected by other factors identified in our past and future filings and reports, including those filed with the SEC. More detailed information about those factors is set forth in documents furnished by UBS and filings made by UBS with the SEC, including UBS’s Annual Report on Form 20-F for the year ended 31 December 2018. UBS is not under any obligation to (and expressly disclaims any obligation to) update or alter its forward-looking statements, whether as a result of new information, future events, or otherwise.

Rounding | Numbers presented throughout this report may not add up precisely to the totals provided in the tables and text. Percentages, percent changes, and adjusted results are calculated on the basis of unrounded figures. Information about absolute changes between reporting periods, which is provided in text and that can be derived from figures displayed in the tables, is calculated on a rounded basis.

Tables | Within tables, blank fields generally indicate that the field is not applicable or not meaningful, or that information is not available as of the relevant date or for the relevant period. Zero values generally indicate that the respective figure is zero on an actual or rounded basis. Percentage changes are presented as a mathematical calculation of the change between periods.

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Availability of Documents

The Base Prospectus dated 27 March 2019 for the issuance of Fixed Income Securities (Rates),

the prospectus comprising the Summary and Securities Note dated 6 May 2019 for the issuance of Open End Certificates linked to the UBS Global Quality Dividend Payers Total Return (EUR) Index (ISIN DE000UBS0QD1),

the prospectus comprising the Summary and Securities Note dated 8 May 2019 for the issuance of Portfolio Certificates linked to the PTAM Navigator Portfolio (ISIN CH0441698849),

the Base Prospectus dated 13 June 2019 of UBS AG for the offer of Warrants and other leveraged Securities,

the Base Prospectus dated 19 June 2019 for the offer of Securities,

the Base Prospectus dated 10 July 2019 for the issuance of Fixed Income Securities (Cash),

the prospectus comprising the Summary and Securities Note dated 11 July 2019 for the issuance of Strategy Certificates on GelfarthSelect Strategy (ISIN CH0326223960),

the prospectus comprising the Summary and Securities Note dated 11 July 2019 for the issuance of Portfolio Certificates linked to the Smart Health Care Portfolio (ISIN DE000US8MAR5),

the Base Prospectus dated 15 July 2019 for of UBS Express Securities, UBS Twin-Win Securities, UBS Speeder Securities, UBS Outperformance Plus Securities, UBS Bonus Securities, UBS Dolphin Securities, UBS Capital Protected Securities and UBS Accumulator Securities,

and all supplements thereto, shall be maintained in printed format, for free distribution, at the offices of the Issuer for a period of twelve months after the publication of this document and are published on the website <http://keyinvest-de.ubs.com/basisprospekte> or any successor address notified by the Issuer to the Securityholders for this purpose by way of publication on <http://keyinvest-de.ubs.com/bekanntmachungen>.

In addition, the annual and quarterly financial reports of UBS AG and UBS Group AG are published on UBS's website, at www.ubs.com/investors or any successor address notified by the Issuer to the Securityholders for this purpose by way of publication on <http://keyinvest-de.ubs.com/bekanntmachungen>.