

# **Basel III Pillar 3**

Capital Adequacy and Risk  
Disclosures as at 31 March 2019



**Commonwealth**Bank



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## 1. Introduction

The Commonwealth Bank of Australia (the Group) is an Authorised Deposit-taking Institution (ADI) regulated by the Australian Prudential Regulation Authority (APRA) under the authority of the Banking Act 1959.

This document is prepared in accordance with Board approved policy and quarterly reporting requirements set out in APRA's prudential standard APS 330 "Public Disclosure". It presents information on the Group's capital adequacy and Risk Weighted Assets (RWA) calculations for credit risk including securitisation, market risk, Interest Rate Risk in the Banking Book (IRRBB) and operational risk.

This document also presents information on the Group's leverage and liquidity ratios in accordance with prescribed methodologies.

The Group is required to report its assessment of capital adequacy on a Level 2 basis. Level 2 is defined as the consolidated banking group excluding the insurance and funds management businesses and entities through which securitisation of Group assets are conducted.

The Group is predominantly accredited to use the Advanced Internal Ratings Based (AIRB) approach for credit risk and Advanced Measurement Approach (AMA) for operational risk. The Group is also required to assess its traded market risk and IRRBB requirement under Pillar 1 of the Basel capital framework.

This document is unaudited, however, it has been prepared consistent with information that has been subject to review by an external auditor and published elsewhere or has been supplied to APRA.

The external auditor (PwC) performed certain procedures over the Pillar 3 report for the half year ended December 2018, including verifying disclosures are consistent with information contained in the Group's Profit Announcement, returns provided to APRA and source systems. PwC have provided recommendations to enhance the internal controls related to the calculation of RWA and the Group has an action plan in place to implement these recommendations.

The Group's Pillar 3 documents are available on the Group's corporate website:

[www.commbank.com.au/investors](http://www.commbank.com.au/investors)

### Group Capital Ratios

As at 31 March 2019, the Group's Basel III Common Equity Tier 1 (CET1), Tier 1 and Total Capital ratios, as measured on an APRA basis, were 10.3%, 12.4% and 15.3% respectively.

The Group's Basel III internationally comparable CET1 ratio as at 31 March 2019 was 15.8%, compared to 16.5% at 31 December 2018.

After allowing for the 80 basis points impact of the 2019 interim dividend (which included the on-market purchase of shares in respect of the dividend reinvestment plan (DRP)), CET1 increased 30 basis points in the quarter with capital generated from earnings partially offset by higher total RWA. Full details on the movement in RWA are provided on page 3.

### Capital Initiatives

During the quarter the DRP in respect of the 2019 interim dividend was satisfied in full by the on-market purchase of shares. The participation rate for the DRP was 16.7%.

### Leverage Ratio

The Group's Leverage Ratio, which is defined as Tier 1 Capital as a percentage of total exposures was 5.4% at 31 March 2019 on an APRA basis and 6.2% on an internationally comparable basis.

### Liquidity Coverage Ratio

The Liquidity Coverage Ratio (LCR) requires Australian ADIs to hold sufficient liquid assets to meet 30 day net cash outflows projected under an APRA-prescribed stress scenario. The Group maintained an average LCR of 134% in the March 2019 quarter.

	31 Mar 19	31 Dec 18
<b>Summary Group Capital Adequacy Ratios (Level 2)</b>		
	%	%
Common Equity Tier 1	10.3	10.8
Tier 1	12.4	12.9
Tier 2	2.9	2.9
<b>Total Capital (APRA)</b>	15.3	15.8
<b>Common Equity Tier 1 (Internationally Comparable) <sup>(1)</sup></b>	15.8	16.5

(1) Analysis aligns with the 13 July 2015 APRA study titled "International capital comparison study".

## 2. Risk Weighted Assets

Risk weighted assets are calculated using the AIRB approach for the majority of the Group's credit risk exposures.

Internal assessment and supervisory formula approaches are used where relevant for non-rated securitisation exposures and for rated exposures where APS 120 prohibits the Group

using the ratings-based approach. The ratings-based approach is used for securitisation exposures rated by External Credit Assessment Institutions (ECAI) where APS 120 allows or requires.

### APS 330 Table 3a to 3e – Basel III capital requirements (RWA)

Asset Category	Risk Weighted Assets		Change in RWA for March 2019 quarter	
	31 Mar 19	31 Dec 18	\$M	%
<b>Credit Risk</b>				
<b>Subject to AIRB approach <sup>(1)</sup></b>				
Corporate	65,438	68,915	(3,477)	(5.0)
SME corporate	30,806	30,121	685	2.3
SME retail	5,394	5,400	(6)	(0.1)
SME retail secured by residential mortgage	3,360	3,415	(55)	(1.6)
Sovereign	2,432	2,330	102	4.4
Bank	10,629	9,741	888	9.1
Residential mortgage	145,049	143,017	2,032	1.4
Qualifying revolving retail	8,748	8,942	(194)	(2.2)
Other retail	15,688	15,729	(41)	(0.3)
<b>Total RWA subject to AIRB approach</b>	<b>287,544</b>	<b>287,610</b>	<b>(66)</b>	<b>(0.0)</b>
<b>Specialised lending</b>	<b>52,972</b>	<b>53,453</b>	<b>(481)</b>	<b>(0.9)</b>
<b>Subject to standardised approach</b>				
Corporate	1,150	1,406	(256)	(18.2)
SME corporate	819	1,034	(215)	(20.8)
SME retail	4,993	5,010	(17)	(0.3)
Sovereign	233	222	11	5.0
Bank	77	53	24	45.3
Residential mortgage	6,715	6,632	83	1.3
Other retail	1,439	1,493	(54)	(3.6)
Other assets	6,735	5,674	1,061	18.7
<b>Total RWA subject to standardised approach</b>	<b>22,161</b>	<b>21,524</b>	<b>637</b>	<b>3.0</b>
Securitisation	2,966	3,049	(83)	(2.7)
Credit valuation adjustment	2,954	2,729	225	8.2
Central counterparties	991	991	-	-
<b>Total RWA for credit risk exposures</b>	<b>369,588</b>	<b>369,356</b>	<b>232</b>	<b>0.1</b>
Traded market risk	6,818	5,263	1,555	29.5
Interest rate risk in the banking book	11,660	13,872	(2,212)	(15.9)
Operational risk	59,123	56,653	2,470	4.4
<b>Total risk weighted assets</b>	<b>447,189</b>	<b>445,144</b>	<b>2,045</b>	<b>0.5</b>

(1) Pursuant to APRA requirements, RWA amounts derived from AIRB risk weight functions have been multiplied by a scaling factor of 1.06.

### Risk Weighted Assets

Total Group RWA increased by \$2.0 billion or 0.5% on the prior quarter to \$447.2 billion driven by higher Operational Risk, Traded Market Risk and Credit RWA, partially offset by lower Interest Rate Risk in the Banking Book RWA.

#### Credit Risk RWA

Credit RWA increased by \$0.2 billion or 0.1% on the prior quarter to \$369.6 billion mainly driven by growth in residential mortgages and liquid assets, data and methodology changes, reduction in credit quality across most retail portfolios and foreign currency movements partly offset by lower exposures across corporate and some consumer retail portfolios.

#### Traded Market Risk RWA

Traded Market Risk RWA increased by \$1.6 billion or 29.5% on the prior quarter to \$6.8 billion. This was mainly due to the impact of the Stressed Value-at-Risk (SVaR) capital charge under the Internal Model Approach.

### Interest Rate Risk in the Banking Book (IRRBB) RWA

IRRBB RWA decreased \$2.2 billion or 15.9% on the prior quarter to \$11.7 billion. This was driven by model enhancements, interest rate risk management activity and increased embedded gains due to lower domestic and offshore interest rates.

#### Operational Risk RWA

Operational Risk RWA increased by \$2.5 billion or 4.4% on the prior quarter to \$59.1 billion. This reflects changes in the Group's operational risk profile relating to the changing regulatory environment and modelling variations including changes in portfolio diversification.

The Operational Risk RWA includes the \$12.5 billion add-on required by APRA following the Prudential Inquiry findings dated 30 April 2018.

# Credit Risk

## 3. Credit Risk

### 3.1 Credit Risk Exposures

The following tables detail credit risk exposures subject to AIRB and Standardised approaches.

**APS 330 Table 4a – Credit risk exposures by portfolio type and modelling approach**

Portfolio Type	31 March 2019				Average exposure for March 2019 quarter <sup>(1)</sup>	Change in exposure for March 2019 quarter <sup>(2)</sup>	
	Off balance sheet			Total		\$M	%
	On balance sheet	Non-market related	Market related				
	\$M	\$M	\$M	\$M	\$M		
<b>Subject to AIRB approach</b>							
Corporate	69,620	42,914	6,618	<b>119,152</b>	122,026	(5,749)	(4.6)
SME corporate	43,128	8,558	348	<b>52,034</b>	51,715	639	1.2
SME retail	7,468	3,540	-	<b>11,008</b>	11,124	(233)	(2.1)
SME retail secured by residential mortgage	4,339	1,482	-	<b>5,821</b>	5,866	(89)	(1.5)
Sovereign	90,745	1,080	2,166	<b>93,991</b>	92,398	3,184	3.5
Bank	26,932	1,398	9,010	<b>37,340</b>	35,750	3,181	9.3
Residential mortgage	500,020	71,360	-	<b>571,380</b>	569,367	4,026	0.7
Qualifying revolving retail	10,404	17,480	-	<b>27,884</b>	28,092	(415)	(1.5)
Other retail	8,094	3,102	-	<b>11,196</b>	11,228	(64)	(0.6)
<b>Total AIRB approach</b>	<b>760,750</b>	<b>150,914</b>	<b>18,142</b>	<b>929,806</b>	<b>927,566</b>	<b>4,480</b>	<b>0.5</b>
<b>Specialised lending</b>	<b>51,778</b>	<b>8,014</b>	<b>720</b>	<b>60,512</b>	<b>60,726</b>	<b>(429)</b>	<b>(0.7)</b>
<b>Subject to standardised approach</b>							
Corporate	961	147	39	<b>1,147</b>	1,285	(276)	(19.4)
SME corporate	650	168	-	<b>818</b>	926	(216)	(20.9)
SME retail	4,272	674	37	<b>4,983</b>	4,992	(17)	(0.3)
Sovereign	498	11	-	<b>509</b>	500	18	3.7
Bank	333	2	1	<b>336</b>	295	82	32.3
Residential mortgage	12,688	2,008	-	<b>14,696</b>	14,608	175	1.2
Other retail	1,339	100	-	<b>1,439</b>	1,466	(53)	(3.6)
Other assets	12,925	-	-	<b>12,925</b>	12,151	1,547	13.6
Central counterparties	-	-	7,242	<b>7,242</b>	7,255	(25)	(0.3)
<b>Total standardised approach</b>	<b>33,666</b>	<b>3,110</b>	<b>7,319</b>	<b>44,095</b>	<b>43,478</b>	<b>1,235</b>	<b>2.9</b>
<b>Total credit exposures <sup>(3)</sup></b>	<b>846,194</b>	<b>162,038</b>	<b>26,181</b>	<b>1,034,413</b>	<b>1,031,770</b>	<b>5,286</b>	<b>0.5</b>

(1) The simple average of exposures as at 31 March 2019 and 31 December 2018.

(2) The difference between exposures as at 31 March 2019 and 31 December 2018.

(3) Total credit risk exposures (calculated as EAD) do not include equities or securitisation exposures.

## 3.1 Credit Risk Exposures (continued)

**APS 330 Table 4a – Credit risk exposures by portfolio type and modelling approach (continued)**

Portfolio Type	31 December 2018				Average exposure for December 2018 quarter <sup>(1)</sup>	Change in exposure for December 2018 quarter <sup>(2)</sup>	
	Off balance sheet			Total			
	On balance sheet	Non-market related	Market related				
	\$M	\$M	\$M	\$M	\$M	\$M	%
<b>Subject to AIRB approach</b>							
Corporate	73,335	44,040	7,526	124,901	124,268	1,266	1.0
SME corporate	42,768	8,382	245	51,395	52,453	(2,115)	(4.0)
SME retail	7,669	3,572	-	11,241	10,741	1,001	9.8
SME retail secured by residential mortgage	4,390	1,520	-	5,910	5,661	498	9.2
Sovereign	87,303	1,324	2,180	90,807	89,147	3,320	3.8
Bank	23,909	1,413	8,837	34,159	36,589	(4,861)	(12.5)
Residential mortgage	496,270	71,084	-	567,354	564,313	6,080	1.1
Qualifying revolving retail	10,533	17,766	-	28,299	28,450	(301)	(1.1)
Other retail	8,152	3,108	-	11,260	11,237	46	0.4
<b>Total AIRB approach</b>	<b>754,329</b>	<b>152,209</b>	<b>18,788</b>	<b>925,326</b>	<b>922,859</b>	<b>4,934</b>	<b>0.5</b>
<b>Specialised lending</b>	<b>51,743</b>	<b>8,597</b>	<b>601</b>	<b>60,941</b>	<b>61,187</b>	<b>(492)</b>	<b>(0.8)</b>
<b>Subject to standardised approach</b>							
Corporate	1,073	308	42	1,423	1,327	193	15.7
SME corporate	756	278	-	1,034	690	689	199.7
SME retail	4,223	742	35	5,000	5,426	(854)	(14.6)
Sovereign	491	-	-	491	493	(3)	(0.6)
Bank	251	2	1	254	217	75	41.9
Residential mortgage	12,453	2,068	-	14,521	13,940	1,160	8.7
Other retail	1,388	104	-	1,492	1,504	(24)	(1.6)
Other assets	11,378	-	-	11,378	11,168	421	3.8
Central counterparties	-	-	7,267	7,267	7,191	152	2.1
<b>Total standardised approach</b>	<b>32,013</b>	<b>3,502</b>	<b>7,345</b>	<b>42,860</b>	<b>41,956</b>	<b>1,809</b>	<b>4.4</b>
<b>Total credit exposures<sup>(3)</sup></b>	<b>838,085</b>	<b>164,308</b>	<b>26,734</b>	<b>1,029,127</b>	<b>1,026,002</b>	<b>6,251</b>	<b>0.6</b>

(1) The simple average of exposures as at 31 December 2018 and 30 September 2018.

(2) The difference between exposures as at 31 December 2018 and 30 September 2018.

(3) Total credit risk exposures (calculated as EAD) do not include equities or securitisation exposures.

# Credit Risk

## 3.2 Past Due and Impaired Exposures, Provisions and Reserves

All provisions for impairment assessed on an individual basis in accordance with the Australian Accounting Standards are classified as specific provisions in accordance with APS 220 "Credit Quality". Most of the collective provisions raised under the Australian Accounting Standards are included in the General Reserve for Credit Losses (GRCL), however, certain collective provisions not eligible for inclusion in the GRCL are classified as specific provisions. This includes, for example, collective provisions on retail products that are in default.

### Reconciliation of Australian Accounting Standards, APS 220 based credit provisions and APS 330 Table 4c – General reserve for credit losses

	31 March 2019		
	General	Specific	Total
	reserve for	provision	provisions
	credit losses <sup>(1)</sup>	<sup>(1)</sup>	
	\$M	\$M	\$M
Collective provision <sup>(2)</sup>	3,468	400	3,868
Individual provisions <sup>(2)</sup>	-	962	962
<b>Total provisions</b>	<b>3,468</b>	<b>1,362</b>	<b>4,830</b>
Additional GRCL requirement <sup>(3)</sup>	518	-	518
<b>Total regulatory provisions</b>	<b>3,986</b>	<b>1,362</b>	<b>5,348</b>

(1) Provisions classified according to APS 220 "Credit Quality".

(2) Provisions according to the Australian Accounting Standards.

(3) The Group has recognised a deduction from CET1 of \$518 million in order to maintain the required minimum GRCL.

	31 December 2018		
	General	Specific	Total
	reserve for	provision	provisions
	credit losses <sup>(1)</sup>	<sup>(1)</sup>	
	\$M	\$M	\$M
Collective provision <sup>(2)</sup>	3,453	361	3,814
Individual provisions <sup>(2)</sup>	-	920	920
<b>Total provisions</b>	<b>3,453</b>	<b>1,281</b>	<b>4,734</b>
Additional GRCL requirement <sup>(3)</sup>	539	-	539
<b>Total regulatory provisions</b>	<b>3,992</b>	<b>1,281</b>	<b>5,273</b>

(1) Provisions classified according to APS 220 "Credit Quality".

(2) Provisions according to the Australian Accounting Standards.

(3) The Group has recognised a deduction from CET1 of \$539 million in order to maintain the required minimum GRCL.



## 3.2 Past Due and Impaired Exposures, Provisions and Reserves (continued)

The following tables provide a summary of the Group's financial losses by portfolio type.

**APS 330 Table 4b – Impaired, past due, specific provisions and write-offs charged by portfolio**

Portfolio	As at 31 March 2019			Quarter ended 31 March 2019	
	Impaired assets	Past due loans ≥ 90 days	Specific provision balance <sup>(1)</sup>	Net charges for individual provisions	Actual losses <sup>(2)</sup>
Corporate including SME, specialised lending and central counterparties	1,743	554	701	70	24
Sovereign	-	-	-	-	-
Bank	9	-	9	-	-
Residential mortgage	1,644	2,855	374	34	29
Qualifying revolving retail	149	-	127	-	63
Other retail	156	31	151	2	96
<b>Total</b>	<b>3,701</b>	<b>3,440</b>	<b>1,362</b>	<b>106</b>	<b>212</b>

(1) Specific provision balance includes certain Australian Accounting Standards collective provisions on some defaulted loans.

(2) Actual losses equal write-offs from individual provisions, write-offs direct from collective provisions less recoveries of amounts previously written off, for the quarter ended 31 March 2019.

Portfolio	As at 31 December 2018			Quarter ended 31 December 2018	
	Impaired assets	Past due loans ≥ 90 days	Specific provision balance <sup>(1)</sup>	Net charges for individual provisions	Actual losses <sup>(2)</sup>
Corporate including SME, specialised lending and central counterparties	1,720	500	671	159	120
Sovereign	-	-	-	-	(1)
Bank	9	-	9	-	-
Residential mortgage	1,547	2,689	345	28	34
Qualifying revolving retail	137	-	116	-	67
Other retail	147	26	140	3	82
<b>Total</b>	<b>3,560</b>	<b>3,215</b>	<b>1,281</b>	<b>190</b>	<b>302</b>

(1) Specific provision balance includes certain Australian Accounting Standards collective provisions on some defaulted loans.

(2) Actual losses equal write-offs from individual provisions, write-offs direct from collective provisions less recoveries of amounts previously written off, for the quarter ended 31 December 2018.

# Credit Risk

## 3.3 Securitisation

### APS 330 Table 5a – Total securitisation activity for the reporting period

Underlying Asset Type	For the 3 months to 31 March 2019	
	Total exposures securitised	Recognised gain or loss on sale
	\$M	\$M
Residential mortgage	131	-
Credit cards and other personal loans	18	-
Auto and equipment finance	-	-
Commercial loans	-	-
Other	-	-
<b>Total</b>	<b>149</b>	<b>-</b>

Underlying Asset Type	For the 3 months to 31 December 2018	
	Total exposures securitised	Recognised gain or loss on sale
	\$M	\$M
Residential mortgage	340	-
Credit cards and other personal loans	-	-
Auto and equipment finance	150	-
Commercial loans	9	-
Other	-	-
<b>Total</b>	<b>499</b>	<b>-</b>

### APS 330 Table 5b – Summary of total securitisation exposures retained or purchased

Securitisation Facility Type	As at 31 March 2019		
	On Balance Sheet	Off Balance Sheet	Total exposures
	\$M	\$M	\$M
Liquidity support facilities	-	248	248
Warehouse facilities	4,523	3,098	7,621
Derivative facilities	116	22	138
Holdings of securities	7,543	-	7,543
Other	-	5	5
<b>Total securitisation exposures</b>	<b>12,182</b>	<b>3,373</b>	<b>15,555</b>

Securitisation Facility Type	As at 31 December 2018		
	On Balance Sheet	Off Balance Sheet	Total exposures
	\$M	\$M	\$M
Liquidity support facilities	-	260	260
Warehouse facilities	4,253	3,425	7,678
Derivative facilities	84	24	108
Holdings of securities	7,853	-	7,853
Other	-	5	5
<b>Total securitisation exposures</b>	<b>12,190</b>	<b>3,714</b>	<b>15,904</b>

## 4. Leverage Ratio

The Group's leverage ratio, defined as Tier 1 Capital as a percentage of total exposures, was 5.4% at 31 March 2019 on an APRA basis and 6.2% on an internationally comparable basis.

In December 2017, as part of the final calibration of the leverage ratio, the BCBS announced:

- Confirmation that the leverage ratio will have a minimum regulatory requirement of 3%, effective from 1 January 2018; and
- Changes in the definition of exposures related to derivatives and off balance sheet items, effective from 1 January 2022.

In November 2018, APRA released draft prudential reporting standards that are broadly in line with BCBS guidance including a minimum leverage ratio requirement of 3.5% for IRB banks. These changes are subject to consultation and are proposed to apply from 1 January 2022.

<b>Summary Group Leverage Ratio</b>	<b>31 Mar 19</b>	<b>31 Dec 18</b>	<b>30 Sep 18</b>	<b>30 Jun 18</b>
Tier 1 Capital (\$M)	55,381	57,518	56,055	56,365
Total Exposures (\$M) <sup>(1)</sup>	1,023,593	1,026,240	1,024,774	1,018,555
<b>Leverage Ratio (APRA) (%)</b>	<b>5.4</b>	5.6	5.5	5.5
<b>Leverage Ratio (Internationally Comparable) (%) <sup>(2)</sup></b>	<b>6.2</b>	6.4	6.2	6.3

(1) Total exposures is the sum of on Balance Sheet exposures, derivatives, Securities Financing Transactions (SFTs), and off Balance Sheet exposures, net of any Tier 1 regulatory deductions, as outlined in APS 110 "Capital Adequacy".

(2) The Tier 1 Capital included in the calculation of the internationally comparable leverage ratio aligns with the 13 July 2015 APRA study titled "International capital comparison study", and includes Basel III non-compliant Tier 1 instruments that are currently subject to transitional rules.

# Liquidity Risk

## 5. Liquidity Risk

### Liquidity Coverage Ratio Disclosure

The Group calculates its LCR position daily, ensuring a buffer is maintained over the minimum regulatory requirement of 100% and the Board's risk appetite. Over the March quarter, excess liquid assets averaged \$36 billion and the average LCR increased by 3% from 131% to 134% due to higher liquid assets.

The Group's mix of liquid assets consists of High Quality Liquid Assets (HQLA), being cash, deposits with central banks and securities issued by governments and highly rated public sector entities. Liquid assets also include securities repo-eligible with the Reserve Bank of Australia under the Committed Liquidity Facility (CLF) and securities classified as liquid assets by the Reserve Bank of New Zealand. Liquid assets are distributed across the Group to

support regulatory and internal requirements and are consistent with the distribution of liquidity needs by currency. The increase in HQLA over the March quarter offset the reduction in the Group's CLF allocation, which decreased from \$53.3 billion to \$50.7 billion effective 1 January 2019.

Net Cash Outflows (NCOs) are modelled under an APRA prescribed 30 day severe liquidity stress scenario. The Group manages modelled NCOs by maintaining a large base of low LCR outflow customer deposits and actively managing its wholesale funding maturity profile as part of its overall liquidity management strategy. Average NCOs were stable over the quarter.

	31 Mar 19	31 Mar 19	31 Dec 18	31 Dec 18
	Total unweighted value (average) <sup>(1)</sup>	Total weighted value (average) <sup>(1)</sup>	Total unweighted value (average) <sup>(1)</sup>	Total weighted value (average) <sup>(1)</sup>
	\$M	\$M	\$M	\$M
<b>Liquid assets, of which:</b>				
1 High-quality liquid assets (HQLA)		94,197		88,865
2 Alternative liquid assets (ALA)		45,267		47,930
3 Reserve Bank of New Zealand (RBNZ) securities		3,202		2,714
<b>Cash outflows</b>				
4 Retail deposits and deposits from small business customers, of which:	286,448	24,947	283,867	24,744
5 Stable deposits	160,442	8,022	159,898	7,995
6 Less stable deposits	126,006	16,925	123,969	16,749
7 Unsecured wholesale funding, of which:	119,340	63,361	118,279	62,170
8 Operational deposits (all counterparties) and deposits in networks for cooperative banks	30,615	7,546	31,661	7,807
9 Non-operational deposits (all counterparties)	76,520	43,610	75,683	43,428
10 Unsecured debt	12,205	12,205	10,935	10,935
11 Secured wholesale funding		1,533		2,165
12 Additional requirements, of which:	152,415	21,979	154,671	22,222
13 Outflows related to derivatives exposures and other collateral requirements	7,578	7,578	7,734	7,734
14 Outflows related to loss of funding on debt products	-	-	-	-
15 Credit and liquidity facilities	144,837	14,401	146,937	14,488
16 Other contractual funding obligations	77	8	34	12
17 Other contingent funding obligations	80,263	9,448	76,892	7,613
<b>18 Total cash outflows</b>		121,276		118,926
<b>Cash inflows</b>				
19 Secured lending	8,650	1,765	8,526	1,295
20 Inflows from fully performing exposures	9,451	6,506	10,172	6,943
21 Other cash inflows	6,193	6,193	4,403	4,403
<b>22 Total cash inflows</b>	24,294	14,464	23,101	12,641
<b>23 Total liquid assets</b>		142,666		139,509
<b>24 Total net cash outflows</b>		106,812		106,285
<b>25 Liquidity Coverage Ratio (%)</b>		134		131
<b>Number of data points used (Business Days)</b>		61		64

(1) The averages presented are calculated as simple averages of daily observations over the previous quarter.

<b>Term</b>	<b>Definition</b>
Additional Tier 1 Capital	Additional Tier 1 Capital is a Basel III defined concept and consists of high quality capital that essentially includes providing a permanent and unrestricted commitment of funds, is freely available to absorb losses, ranks behind the claims of depositors and other more senior creditors in the event of a wind-up, and provides for fully discretionary capital distributions.
Advanced Internal Ratings Based (AIRB) Approach	Used to measure credit risk in accordance with the Group's Basel III accreditation that allows the Group to use internal estimates of PD, LGD and EAD for the purposes of calculating regulatory capital.
Advanced Measurement Approach (AMA)	Used to measure operational risk in accordance with the Group's Basel III accreditation that allows the Group to use its own internal model for the purposes of calculating regulatory capital.
Australian Accounting Standards	The Australian Accounting Standards as issued by the Australian Accounting Standards Board (AASB).
Australian Prudential Regulation Authority (APRA)	The regulator of banks, insurance companies and superannuation funds, credit unions, building societies and friendly societies in Australia.
Authorised Deposit-taking Institution (ADI)	Includes banks, building societies and credit unions which are authorised by APRA to take deposits from customers.
ADI Prudential Standards (APS)	APRA's ADI Prudential Standards. For more information, refer to the APRA website.
ASB	ASB Bank Limited – a subsidiary of the Commonwealth Bank of Australia that is directly regulated by the Reserve Bank of New Zealand.
Bank	Basel asset class – includes claims on ADIs and overseas banks.
Basel II	Refers to the Basel Committee on Banking Supervision's Revised Framework for International Convergence of Capital Measurement and Capital Standards issued in June 2006 and as subsequently amended.
Basel III	Refers to the Basel Committee on Banking Supervision's framework for more resilient banks and banking systems issued December 2010 (revised June 2011) and Capital requirements for bank exposures to central counterparties (July 2012).
CBA	Commonwealth Bank of Australia – the head entity of the Group.
Central counterparty (CCP)	A clearing house that interposes itself between counterparties to contracts traded in one or more financial markets, thereby ensuring the future performance of open contracts.
Collective Provision	All loans and receivables that do not have an individually assessed provision are assessed collectively for impairment. The collective provision is maintained to reduce the carrying value of the portfolio of loans to their estimated recoverable amounts. These provisions are as reported in the Group's Financial Statements in accordance with the Australian Accounting Standards (AASB 9 Financial Instruments) which was adopted by the Group on 1 July 2018.
Committed Liquidity Facility (CLF)	The Reserve Bank of Australia (RBA) provides the CLF to participating ADIs under the LCR, as a shortfall in Commonwealth government and semi-government securities exists in Australia. ADIs can draw under the CLF in a liquidity crisis against qualifying securities pledged to the RBA. The amount of the CLF for each ADI is set by APRA annually.
Common Equity Tier 1 (CET1) Capital	The highest quality of capital available to the Group reflecting the permanent and unrestricted commitment of funds that are freely available to absorb losses. It comprises ordinary share capital, retained earnings and reserves less prescribed deductions.
Corporate	Basel asset class – includes commercial credit risk where annual revenues exceed \$50 million.

## Glossary

Term	Definition
Credit Valuation Adjustment (CVA) Risk	The risk of mark-to-market losses related to deterioration in the credit quality of a derivative counterparty.
Exposure at Default (EAD)	The extent to which a bank may be exposed upon default of an obligor.
Extended Licensed Entity (ELE)	APRA may deem an entity of an ADI to be part of the ADI itself for the purposes of measuring the ADI's exposures to related entities.
External Credit Assessment Institution (ECAI)	For example Moody's Investor Services, S&P Global Ratings or Fitch Ratings.
General Reserve for Credit Losses (GRCL)	APS 220 requires the Group to establish a reserve that covers credit losses prudently estimated, but not certain to arise, over the full life of all individual facilities making up the business of the ADI. Most of the Group's collective provisions are included in the GRCL. An excess of required GRCL over the Group's collective provisions is recognised as a deduction from CET1.
Group	Commonwealth Bank of Australia and its subsidiaries including ASB.
Impaired Assets	Facilities are classified as impaired where there is doubt as to whether the full amounts due, including interest and other payments due, will be achieved in a timely manner.
Individual Provisions	Provisions made against individual facilities in the credit-rated managed segment where there is objective evidence of impairment and full recovery of principal and interest is considered doubtful. These provisions are as reported in the Group's Financial Statements in accordance with the Australian Accounting Standards (AASB 9 Financial Instruments) which was adopted by the Group on 1 July 2018. Also known as individually assessed provisions or IAP.
Interest Rate Risk in the Banking Book (IRRBB)	The risk that the Bank's profit derived from Net Interest Income (interest earned less interest paid), in current and future periods, is adversely impacted from changes in interest rates. This is measured from two perspectives; firstly by quantifying the change in the net present value of the balance sheet's future earnings potential and secondly, as the anticipated change to the Net Interest Income earned over 12 months. The APS117 IRRBB regulatory capital requirement is calculated using the net present value approach.
Level 1	Represents the ADI and each entity of the ADI that has been approved as an ELE by APRA.
Level 2	The level at which the Group reports its capital adequacy to APRA being the consolidated banking group comprising the ADI and all of its subsidiary entities other than the insurance and funds management entities and entities through which securitisation of Group assets is conducted. This is the basis on which this report has been produced.
Level 3	The conglomerate group including the Group's insurance and wealth management business.
Leverage Ratio	Tier 1 Capital divided by Total Exposures, with this ratio expressed as a percentage.
Liquidity Coverage Ratio (LCR)	The LCR is a quantitative liquidity measure that is part of the Basel III reforms. It was implemented by APRA in Australia on 1 January 2015. It requires Australian ADIs to hold sufficient liquid assets to meet 30 day net cash outflows projected under an APRA-prescribed stress scenario.
Loss Given Default (LGD)	The fraction of EAD that is not expected to be recovered following default.
Net Cash Outflows	Net cash outflows in the LCR are calculated by applying prescribed run-off factors on liabilities and various Off Balance Sheet exposures that can generate a cash outflow in the next 30 days.
Net Stable Funding Ratio (NSFR)	The NSFR is the ratio of the amount of available stable funding (ASF) to the amount of required stable funding (RSF). ASF is the portion of an ADI's capital and liabilities expected to be a reliable source of funds over a one year time horizon. RSF is a function of the liquidity characteristics and residual maturities of an ADI's assets and off-balance sheet activities.

<b>Term</b>	<b>Definition</b>
Other Assets	Basel asset class – primarily includes Cash, Investments in Related Entities, Fixed Assets and Margin Lending.
Other Retail	Basel asset class – primarily includes retail credit exposures not otherwise classed as a residential mortgage, SME retail or a qualifying revolving retail asset.
Past due	Facilities are past due when a contracted amount, including principal or interest, has not been met when due or it is otherwise outside contracted arrangements.
Probability of Default (PD)	The likelihood that a debtor fails to meet an obligation or contractual commitment.
Qualifying Revolving Retail (QRR)	Basel asset class – represents revolving exposures to individuals less than \$0.1m, unsecured and unconditionally cancellable by the Group. Only Australian retail credit cards qualify for this AIRB asset class.
RBA	Reserve Bank of Australia.
RBNZ	Reserve Bank of New Zealand.
Residential Mortgage	Basel asset class – retail exposures secured by residential mortgage property.
Risk Weighted Assets (RWA)	The value of the Group's On and Off Balance Sheet assets are adjusted by risk weights calculated according to various APRA prudential standards. For more information, refer to the APRA website.
Scaling Factor	In order to broadly maintain the aggregate level of capital in the global financial system post implementation of Basel II, the Basel Committee on Banking Supervision applies a scaling factor to the risk weighted asset amounts for credit risk under the AIRB approach of 1.06.
Securitisation	Basel asset class – Group-originated securitised exposures and the provision of facilities to customers in relation to securitisation activities.
SME Corporate	Basel asset class – Small and Medium Enterprise (SME) commercial credit risk where annual revenues are less than \$50 million and exposures are greater than \$1 million.
SME Retail	Basel asset class – Small and Medium Enterprise (SME) exposures up to \$1 million that are not secured by residential mortgage property.
SME Retail Secured by Residential Mortgage	Basel asset class – Small and Medium Enterprise (SME) exposures up to \$1 million that are partly or fully secured by residential mortgage property.
Sovereign	Basel asset class – primarily includes claims on Australian and foreign governments, central banks (including Reserve Bank of Australia), international banking agencies and regional development banks.
Specialised Lending	Basel asset classes subject to the supervisory slotting approach and which include Income Producing Real Estate (IPRE), object finance, project finance and commodity finance.
Specific Provisions	APS 220 requires ADIs to report as specific provisions all provisions for impairment assessed by an ADI on an individual basis in accordance with the Australian Accounting Standards and that portion of provisions assessed on a collective basis which are deemed ineligible to be included in the General Reserve for Credit Losses (which are primarily collective provisions on some defaulted assets).
Stressed VaR (SVaR)	Stressed Value at Risk uses the same methodology as Value at Risk (VaR) except that the historical data used is taken from a one year observation period of significant market volatility as seen during the Global Financial Crisis.
Tier 1 Capital	Comprises CET1 and Additional Tier 1 Capital.
Tier 2 Capital	Capital items that fall short of the necessary conditions to qualify as Tier 1 Capital.
Total Exposures (as used in the Leverage Ratio)	The sum of On Balance Sheet items, derivatives, securities financing transactions (SFTs), and Off Balance Sheet items, net of any Tier 1 regulatory deductions that are already included in these items, as outlined in APS 110 "Capital Adequacy" (APS 110) Attachment D.