

## **The new dynamics of residential aged care in Australia: continuity and change**

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### **Supplementary material**

**Table S1: Mapping of ACFI care domain triads to Common Care Groups**

ACFI domain			Common Care Group	ACFI domain (cont.)			Common Care Group (cont.)
ADL	BEH	CHC		ADL	BEH	CHC	
High	High	High	1	Low	Nil	High	4
High	Medium	High	2	Nil	High	High	4
High	High	Medium	2	Low	Medium	Medium	4
High	Low	High	2	Medium	Medium	Nil	4
Medium	High	High	2	Medium	Nil	Low	4
High	Nil	High	2	Low	Low	Medium	4
High	Medium	Medium	2	Low	High	Low	4
High	Low	Medium	2	Medium	Low	Nil	5
Medium	Medium	High	2	Nil	Medium	High	5
High	High	Low	2	Low	Nil	Medium	5
Medium	High	Medium	2	Nil	High	Medium	5
High	Nil	Medium	3	Medium	Nil	Nil	5
Medium	Low	High	3	Nil	Low	High	5
Medium	Nil	High	3	Low	High	Nil	5
High	High	Nil	3	Low	Medium	Low	5
High	Medium	Low	3	Nil	Nil	High	5
Medium	Medium	Medium	3	Nil	Medium	Medium	5
Low	High	High	3	Low	Low	Low	5
High	Low	Low	3	Nil	Low	Medium	5
Medium	Low	Medium	3	Low	Medium	Nil	5
Medium	High	Low	3	Low	Nil	Low	5
High	Medium	Nil	3	Nil	High	Low	5
High	Nil	Low	3	Nil	Nil	Medium	5
Medium	Nil	Medium	3	Low	Low	Nil	5
Low	Medium	High	4	Low	Nil	Nil	6
Low	High	Medium	4	Nil	High	Nil	6
High	Low	Nil	4	Nil	Medium	Low	6
Medium	High	Nil	4	Nil	Low	Low	6
Medium	Medium	Low	4	Nil	Medium	Nil	6
Low	Low	High	4	Nil	Nil	Low	6
High	Nil	Nil	4	Nil	Low	Nil	6
Medium	Low	Low	4	Nil	Nil	Nil	6

**Table S2: Summary episode-level length of stay measures, by age at admission, selected years**

Age at admission	Common Care Group	2008–09	2013–14	2018–19
0–49	Average	63.6	64.6	76.2
	Upper whisker <sup>A</sup>	193.9	215.7	226.9
	75th percentile	81.9	89.2	95.9
	Median	33.1	21.5	28.2
	25th percentile	7.3	4.9	8.6
	Lower whisker	0.0	0.0	0.0
50–64	Average	41.3	42.6	48.8
	Upper whisker	134.7	139.6	159.9
	75th percentile	56.1	58.0	68.1
	Median	17.6	17.9	24.8
	25th percentile	3.7	3.6	6.9
	Lower whisker	0.0	0.0	0.0
65–74	Average	35.0	33.7	34.3
	Upper whisker	118.5	113.9	112.1
	75th percentile	49.6	47.7	47.7
	Median	17.5	16.7	18.5
	25th percentile	3.7	3.6	4.8
	Lower whisker	0.0	0.0	0.0
75–84	Average	29.3	31.3	32.7
	Upper whisker	101.6	110.4	112.0
	75th percentile	43.2	46.9	48.2
	Median	17.8	19.6	21.1
	25th percentile	4.3	4.6	5.7
	Lower whisker	0.0	0.0	0.0
85–94	Average	23.5	24.3	26.8
	Upper whisker	82.2	85.2	89.7
	75th percentile	35.1	36.4	39.3
	Median	14.7	15.6	18.9
	25th percentile	3.7	3.9	5.7
	Lower whisker	0.0	0.0	0.0
95+	Average	17.4	18.9	19.1
	Upper whisker	58.0	65.3	64.3
	75th percentile	25.0	28.1	28.1
	Median	10.3	11.9	12.3
	25th percentile	3.0	3.3	4.0
	Lower whisker	0.0	0.0	0.0

A. The upper whisker values in this table are the maximum calculated value: the plots at Figure 1 set the upper whisker at the highest actual value [observation] up to and including the calculated value.

**Table S.3: Selected measures by number of episodes per person, by year of final separation, 2008–09 to 2018–19**

n.a. = Not applicable.

Episodes per person <sup>A</sup>	Year of final separation											Total <sup>B</sup>
	2008–09	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16	2016–17	2017–18	2018–19	
Separations (number)												
1	48,004	44,656	45,595	45,679	47,167	47,345	48,436	49,189	51,282	52,047	51,843	<b>531,243</b>
2	3,313	5,794	7,103	7,828	8,058	8,406	8,103	7,860	7,602	7,307	7,044	<b>98,859</b>
3+	121	414	754	966	1,095	1,121	1,279	1,255	1,273	1,266	1,203	<b>14,396</b>
<b>Total</b>	<b>51,438</b>	<b>50,864</b>	<b>53,452</b>	<b>54,473</b>	<b>56,320</b>	<b>56,872</b>	<b>57,818</b>	<b>58,304</b>	<b>60,157</b>	<b>60,620</b>	<b>60,090</b>	<b>644,498</b>
Episodes (number)												
1	48,004	44,656	45,595	45,679	47,167	47,345	48,436	49,189	51,282	52,047	51,843	<b>531,243</b>
2	6,626	11,588	14,206	15,656	16,116	16,812	16,206	15,720	15,204	14,614	14,088	<b>177,277</b>
3+	366	1,299	2,339	3,049	3,445	3,553	4,083	4,024	4,091	4,110	3,919	<b>42,536</b>
<b>Total</b>	<b>54,996</b>	<b>57,543</b>	<b>62,140</b>	<b>64,384</b>	<b>66,728</b>	<b>67,710</b>	<b>68,725</b>	<b>68,933</b>	<b>70,577</b>	<b>70,771</b>	<b>69,850</b>	<b>751,056</b>
Care days (thousands)												
1	44,007	42,527	44,114	44,843	45,805	45,639	47,702	47,330	49,290	50,059	49,486	<b>510,802</b>
2	3,134	6,041	8,284	9,987	10,527	11,629	11,799	11,851	11,693	11,292	10,762	<b>120,333</b>
3+	97	431	891	1,242	1,558	1,785	2,177	2,265	2,449	2,457	2,363	<b>22,183</b>
<b>Total</b>	<b>47,238</b>	<b>48,999</b>	<b>53,290</b>	<b>56,072</b>	<b>57,890</b>	<b>59,053</b>	<b>61,678</b>	<b>61,446</b>	<b>63,432</b>	<b>63,808</b>	<b>62,610</b>	<b>653,318</b>
Episode-level ALOS (months)												
1	30.1	31.3	31.8	32.3	31.9	31.7	32.4	31.6	31.6	31.6	31.4	<b>31.6</b>
2	15.6	17.1	19.2	21.0	21.5	22.7	23.9	24.8	25.3	25.4	25.1	<b>22.3</b>
3+	8.8	10.9	12.5	13.4	14.9	16.5	17.5	18.5	19.7	19.7	19.8	<b>17.1</b>
<b>Total</b>	<b>28.2</b>	<b>28.0</b>	<b>28.2</b>	<b>28.6</b>	<b>28.5</b>	<b>28.7</b>	<b>29.5</b>	<b>29.3</b>	<b>29.5</b>	<b>29.6</b>	<b>29.5</b>	<b>28.6</b>
Person-level ALOS (months)												
1	30.1	31.3	31.8	32.3	31.9	31.7	32.4	31.6	31.6	31.6	31.4	<b>31.6</b>
2	31.1	34.3	38.3	41.9	43.0	45.5	47.9	49.6	50.6	50.8	50.2	<b>40.0</b>
3+	26.5	34.2	38.9	42.3	46.8	52.4	55.9	59.3	63.2	63.8	64.6	<b>50.7</b>
<b>Total</b>	<b>30.2</b>	<b>31.7</b>	<b>32.8</b>	<b>33.8</b>	<b>33.8</b>	<b>34.1</b>	<b>35.1</b>	<b>34.6</b>	<b>34.7</b>	<b>34.6</b>	<b>34.3</b>	<b>33.3</b>
Episode-level turnover (completed episodes per 100 residents) <sup>C</sup>												
<b>Total</b>	<b>35.0</b>	<b>36.2</b>	<b>38.2</b>	<b>39.0</b>	<b>40.0</b>	<b>40.1</b>	<b>39.5</b>	<b>40.1</b>	<b>40.1</b>	<b>39.6</b>	<b>38.6</b>	<b>n.a.</b>
Person-level turnover (people separating per 100 residents)												
<b>Total</b>	<b>32.7</b>	<b>32.2</b>	<b>33.0</b>	<b>33.1</b>	<b>33.8</b>	<b>33.8</b>	<b>33.4</b>	<b>34.0</b>	<b>34.3</b>	<b>34.1</b>	<b>33.4</b>	<b>n.a.</b>

- A. The analysis dataset excludes episodes that were completed before 1 July 2008—this will mostly affect the measures in the earlier years of this table.  
 B. To reconcile with other tables, the total includes 24,090 people who were still in care at 30 June 2019, but who completed at least 1 episode before 30 June 2019. Their current [incomplete] episode is not included in any of the measures.  
 C. This series differs from the values in Table 3 because here all episodes for a person are accrued to the year of final separation.

**Table S4: Common Care Group rating on admission, by age at admission, selected years**

Age at admission	Common Care Group	2008-09	2013-14	2018-19
0-49	1	8.8	13.9	22.7
	2	44.4	42.5	46.1
	3	22.4	16.8	13.5
	4	10.5	14.3	7.8
	5	10.8	10.0	7.8
	6	3.1	2.5	2.1
50-64	1	4.8	16.1	20.9
	2	33.2	36.8	41.1
	3	20.1	14.3	17.2
	4	17.5	16.7	13.8
	5	17.7	13.8	5.3
	6	6.7	2.1	1.8
65-74	1	4.9	15.0	19.6
	2	29.6	33.8	41.7
	3	20.9	15.2	17.84
	4	17.4	16.9	14.2
	5	20.5	17.0	5.7
	6	6.6	2.1	1.0
75-84	1	4.5	15.5	19.4
	2	27.1	32.0	43.5
	3	19.6	14.7	18.5
	4	15.7	17.4	12.4
	5	24.8	18.5	5.7
	6	8.3	1.9	0.5
85-94	1	4.1	14.8	20.4
	2	24.9	29.7	42.2
	3	19.6	13.9	19.0
	4	15.5	19.2	11.9
	5	27.2	20.0	6.1
	6	8.8	2.4	0.4
95+	1	4.3	15.7	21.7
	2	29.6	34.6	44.1
	3	24.5	15.6	18.9
	4	14.4	17.5	10.3
	5	21.8	14.4	4.7
	6	5.3	2.1	0.3

