

Appendix 1 Additional tables for New South Wales/Australian Capital Territory

A1.1 Additional tables

Table A1: Residential aged care admissions: age and sex by entry type, NSW/ACT, 1999–00

Sex and entry type	65–69 yrs	70–74 yrs	75–79 yrs	80–84 yrs	85–89 yrs	90–94 yrs	95+ yrs	Total
Males								
	Number							
Respite	334	684	1,202	1,244	1,045	397	71	4,977
Permanent	89	151	246	251	251	115	24	1,127
Return from leave	393	696	1,160	1,305	1,189	499	99	5,341
<i>All</i>	<i>816</i>	<i>1,531</i>	<i>2,608</i>	<i>2,800</i>	<i>2,485</i>	<i>1,011</i>	<i>194</i>	<i>11,445</i>
Females								
Respite	363	830	1,628	2,467	2,477	1,251	324	9,340
Permanent	69	158	368	674	714	408	116	2,507
Return from leave	298	733	1,562	2,519	2,688	1,400	378	9,578
<i>All</i>	<i>730</i>	<i>1,721</i>	<i>3,558</i>	<i>5,660</i>	<i>5,879</i>	<i>3,059</i>	<i>818</i>	<i>21,425</i>
Persons								
Respite	697	1,514	2,830	3,711	3,522	1,648	395	14,317
Permanent	158	309	614	925	965	523	140	3,634
Return from leave	691	1,429	2,722	3,824	3,877	1,899	477	14,919
All	1,546	3,252	6,166	8,460	8,364	4,070	1,012	32,870
Males								
	Per cent							
Respite	6.7	13.7	24.2	25.0	21.0	8.0	1.4	100.0
Permanent	7.9	13.4	21.8	22.3	22.3	10.2	2.1	100.0
Return from leave	7.4	13.0	21.7	24.4	22.3	9.3	1.9	100.0
<i>All</i>	<i>7.1</i>	<i>13.4</i>	<i>22.8</i>	<i>24.5</i>	<i>21.7</i>	<i>8.8</i>	<i>1.7</i>	<i>100.0</i>
Females								
Respite	3.9	8.9	17.4	26.4	26.5	13.4	3.5	100.0
Permanent	2.8	6.3	14.7	26.9	28.5	16.3	4.6	100.0
Return from leave	3.1	7.7	16.3	26.3	28.1	14.6	3.9	100.0
<i>All</i>	<i>3.4</i>	<i>8.0</i>	<i>16.6</i>	<i>26.4</i>	<i>27.4</i>	<i>14.3</i>	<i>3.8</i>	<i>100.0</i>
Persons								
Respite	4.9	10.6	19.8	25.9	24.6	11.5	2.8	100.0
Permanent	4.3	8.5	16.9	25.5	26.6	14.4	3.9	100.0
Return from leave	4.6	9.6	18.2	25.6	26.0	12.7	3.2	100.0
All	4.7	9.9	18.8	25.7	25.4	12.4	3.1	100.0

Table A2: The effect of age on duplication in the hospital morbidity data, NSW/ACT, 1999–00 (separations)

Linkage key	65–69 yrs	70–74 yrs	75–79 yrs	80–84 yrs	85–89 yrs	90–94 yrs	95+ yrs	All
Number								
Date of birth and sex only								
Exact date								
Unique	57,088	70,224	74,150	56,250	36,107	13,310	2,781	309,910
2	3,168	4,496	5,190	3,098	1,418	216	16	17,602
3	84	192	240	132	42	6	—	696
4	4	4	4	—	—	—	—	12
Within 3 days								
Unique	48,949	58,541	61,349	48,475	32,385	12,622	2,732	265,053
2	10,074	14,167	15,729	9,718	4,722	859	64	55,333
3	1,199	1,977	2,260	1,173	434	49	1	7,093
4	115	191	227	105	26	2	—	666
5	7	33	19	9	—	—	—	68
6	—	7	—	—	—	—	—	7
Date of birth, sex and postcode								
Exact date								
Unique	60,238	74,806	79,442	59,378	37,511	13,520	2,793	327,688
2	106	110	142	102	56	12	4	532
Within 3 days								
Unique	59,705	74,176	78,858	58,931	37,235	13,431	2,780	325,116
2	632	724	714	538	326	100	17	3,051
3	7	16	12	11	6	1	—	53
Date of birth, sex and SLA								
Exact date								
Unique	60,160	74,682	79,230	59,229	37,425	13,508	2,787	327,021
2	184	234	354	248	142	24	10	1,196
3	—	—	—	3	—	—	—	3
Within 3 days								
Unique	58,942	73,220	77,768	58,184	36,786	13,300	2,754	320,954
2	1,379	1,660	1,779	1,263	757	227	43	7,108
3	23	34	37	33	24	5	—	156
4	—	2	—	—	—	—	—	2
All	60,344	74,916	79,584	59,480	37,567	13,532	2,797	328,220

(continued)

Table A2 (continued): The effect of age on duplication in the hospital morbidity data, NSW/ACT, 1999–00 (separations)

Linkage key	65–69 yrs	70–74 yrs	75–79 yrs	80–84 yrs	85–89 yrs	90–94 yrs	95+ yrs	All
Row per cent								
Date of birth and sex only								
Exact date								
Unique	18.4	22.7	23.9	18.2	11.7	4.3	0.9	100.0
2	18.0	25.5	29.5	17.6	8.1	1.2	0.1	100.0
3	12.1	27.6	34.5	19.0	6.0	0.9	—	100.0
4	33.3	33.3	33.3	—	—	—	—	100.0
Within 3 days								
Unique	18.5	22.1	23.1	18.3	12.2	4.8	1.0	100.0
2	18.2	25.6	28.4	17.6	8.5	1.6	0.1	100.0
3	16.9	27.9	31.9	16.5	6.1	0.7	0.0	100.0
4	17.3	28.7	34.1	15.8	3.9	0.3	—	100.0
5	10.3	48.5	27.9	13.2	—	—	—	100.0
6	—	100.0	—	—	—	—	—	100.0
Date of birth, sex and postcode								
Exact date								
Unique	18.4	22.8	24.2	18.1	11.4	4.1	0.9	100.0
2	19.9	20.7	26.7	19.2	10.5	2.3	0.8	100.0
Within 3 days								
Unique	18.4	22.8	24.3	18.1	11.5	4.1	0.9	100.0
2	20.7	23.7	23.4	17.6	10.7	3.3	0.6	100.0
3	13.2	30.2	22.6	20.8	11.3	1.9	—	100.0
Date of birth, sex and SLA								
Exact date								
Unique	18.4	22.8	24.2	18.1	11.4	4.1	0.9	100.0
2	15.4	19.6	29.6	20.7	11.9	2.0	0.8	100.0
3	—	—	—	100.0	—	—	—	100.0
Within 3 days								
Unique	18.4	22.8	24.2	18.1	11.5	4.1	0.9	100.0
2	19.4	23.4	25.0	17.8	10.6	3.2	0.6	100.0
3	14.7	21.8	23.7	21.2	15.4	3.2	—	100.0
4	—	100.0	—	—	—	—	—	100.0
All	18.4	22.8	24.2	18.1	11.4	4.1	0.9	100.0

(continued)

Table A2 (continued): The effect of age on duplication in the hospital morbidity data, NSW/ACT, 1999–00 (separations)

Linkage key	65–69 yrs	70–74 yrs	75–79 yrs	80–84 yrs	85–89 yrs	90–94 yrs	95+ yrs	All
Column per cent								
Date of birth and sex only								
<i>Exact date</i>								
Unique	94.6	93.7	93.2	94.6	96.1	98.4	99.4	94.4
2	5.2	6.0	6.5	5.2	3.8	1.6	0.6	5.4
3	0.1	0.3	0.3	0.2	0.1	0.0	—	0.2
4	0.0	0.0	0.0	—	—	—	—	0.0
All	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<i>Within 3 days</i>								
Unique	81.1	78.1	77.1	81.5	86.2	93.3	97.7	80.8
2	16.7	18.9	19.8	16.3	12.6	6.3	2.3	16.9
3	2.0	2.6	2.8	2.0	1.2	0.4	0.0	2.2
4	0.2	0.3	0.3	0.2	0.1	0.0	—	0.2
5	0.0	0.0	0.0	0.0	—	—	—	0.0
6	—	0.0	—	—	—	—	—	0.0
All	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Date of birth, sex and postcode								
<i>Exact date</i>								
Unique	99.8	99.9	99.8	99.8	99.9	99.9	99.9	99.8
2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.2
All	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<i>Within 3 days</i>								
Unique	98.9	99.0	99.1	99.1	99.1	99.3	99.4	99.1
2	1.0	1.0	0.9	0.9	0.9	0.7	0.6	0.9
3	0.0	0.0	0.0	0.0	0.0	0.0	—	0.0
All	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Date of birth, sex and SLA								
<i>Exact date</i>								
Unique	99.7	99.7	99.6	99.6	99.6	99.8	99.6	99.6
2	0.3	0.3	0.4	0.4	0.4	0.2	0.4	0.4
3	—	—	—	0.0	—	—	—	0.0
All	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<i>Within 3 days</i>								
Unique	97.7	97.7	97.7	97.8	97.9	98.3	98.5	97.8
2	2.3	2.2	2.2	2.1	2.0	1.7	1.5	2.2
3	0.0	0.0	0.0	0.1	0.1	0.0	—	0.0
4	—	0.0	—	—	—	—	—	0.0
All	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Table A3: Hospital separation mode for 'within 3 days' linked data, unlinked hospital data and all hospital data, by linkage key used, NSW/ACT, 1999-00

Separation mode	Linked data Type of entry to residential aged care				Unlinked hospital data	All hospital data
	Permanent admissions	Respite admissions	Return from leave	All linked entries		
	Number					
Linkage key = date of birth, sex and within 3 days						
To another hospital	451	343	134	928	29,536	30,464
To nursing home	4,451	1,566	890	6,907	7,967	14,874
To other health care accommodation	182	305	73	560	1,497	2,057
Unknown	17	16	4	37	1,023	1,060
Other	3,520	3,481	2,081	9,082	270,683	279,765
All	8,621	5,711	3,182	17,514	310,706	328,220
Linkage key = date of birth, sex, within 3 days and SLA group						
To another hospital	193	111	44	348	30,116	30,464
To nursing home	3,766	1,308	579	5,653	9,221	14,874
To other health care accommodation	133	254	53	440	1,617	2,057
Unknown	8	6	1	15	1,045	1,060
Other	1,411	1,445	1,230	4,086	275,679	279,765
All	5,511	3,124	1,907	10,542	317,678	328,220
	Row per cent					
Linkage key = date of birth, sex within 3 days						
To another hospital	1.5	1.1	0.4	3.0	97.0	100.0
To nursing home	29.9	10.5	6.0	46.4	53.6	100.0
To other health care accommodation	8.8	14.8	3.5	27.2	72.8	100.0
Unknown	1.6	1.5	0.4	3.5	96.5	100.0
Other	1.3	1.2	0.7	3.2	96.8	100.0
All	2.6	1.7	1.0	5.3	94.7	100.0
Linkage key = date of birth, sex, within 3 days and SLA group						
To another hospital	0.6	0.4	0.1	1.1	98.9	100.0
To nursing home	25.3	8.8	3.9	38.0	62.0	100.0
To other health care accommodation	6.5	12.3	2.6	21.4	78.6	100.0
Unknown	0.8	0.6	0.1	1.4	98.6	100.0
Other	0.5	0.5	0.4	1.5	98.5	100.0
All	1.7	1.0	0.6	3.2	96.8	100.0
	Column per cent					
Linkage key = date of birth, sex and within 3 days						
To another hospital	5.2	6.0	4.2	5.3	9.5	9.3
To nursing home	51.6	27.4	28.0	39.4	2.6	4.5
To other health care accommodation	2.1	5.3	2.3	3.2	0.5	0.6
Unknown	0.2	0.3	0.1	0.2	0.3	0.3
Other	40.8	61.0	65.4	51.9	87.1	85.2
All	100.0	100.0	100.0	100.0	100.0	100.0
Linkage key = date of birth, sex, within 3 days and SLA group						
To another hospital	3.5	3.6	2.3	3.3	9.5	9.3
To nursing home	68.3	41.9	30.4	53.6	2.9	4.5
To other health care accommodation	2.4	8.1	2.8	4.2	0.5	0.6
Unknown	0.1	0.2	0.1	0.1	0.3	0.3
Other	25.6	46.3	64.5	38.8	86.8	85.2
All	100.0	100.0	100.0	100.0	100.0	100.0

Notes

1. SLA group is derived from postcode. For a particular postcode, the corresponding SLA group includes all SLAs which have some residents in that postcode.
2. The linked data in this table is based on the number of unique residential aged care records linked; excess links have been excluded.

Table A4: Place of assessment for 'within 3 days' linked and unlinked residential aged care data, by linkage key used, NSW/ACT, 1999–00

	Linked data			Unlinked data			All residential aged care data		
	Permanent	Respite	All	Permanent	Respite	All	Permanent	Respite	All
Number									
Linkage key = date of birth, sex and within 3 days									
Aged care facility	438	280	718	967	745	1,712	1,405	1,025	2,430
At home	1,482	1,845	3,327	3,820	6,838	10,658	5,302	8,683	13,985
Hospital	5,401	2,722	8,123	2,126	1,207	3,333	7,527	3,929	11,456
Other	243	198	441	442	482	924	685	680	1,365
Total	7,564	5,045	12,609	7,355	9,272	16,627	14,919	14,317	29,236
Linkage key = date of birth, sex, within 3 days and SLA group									
Aged care facility	252	164	416	1,153	861	2,014	1,405	1,025	2,430
At home	749	672	1,421	4,553	8,011	12,564	5,302	8,683	13,985
Hospital	4,297	2,171	6,468	3,230	1,758	4,988	7,527	3,929	11,456
Other	135	90	225	550	590	1,140	685	680	1,365
Total	5,433	3,097	8,530	9,486	11,220	20,706	14,919	14,317	29,236
Per cent									
Linkage key = date of birth, sex and within 3 days									
Aged care facility	5.8	5.6	5.7	13.1	8.0	10.3	9.4	7.2	8.3
At home	19.6	36.6	26.4	51.9	73.7	64.1	35.5	60.6	47.8
Hospital	71.4	54.0	64.4	28.9	13.0	20.0	50.5	27.4	39.2
Other	3.2	3.9	3.5	6.0	5.2	5.6	4.6	4.7	4.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Linkage key = date of birth, sex, within 3 days and SLA group									
Aged care facility	4.6	5.3	4.9	12.2	7.7	9.7	9.4	7.2	8.3
At home	13.8	21.7	16.7	48.0	71.4	60.7	35.5	60.6	47.8
Hospital	79.1	70.1	75.8	34.1	15.7	24.1	50.5	27.4	39.2
Other	2.5	2.9	2.6	5.8	5.3	5.5	4.6	4.7	4.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Notes

1. SLA group is derived from postcode. For a particular postcode, the corresponding SLA group includes all SLAs which have some residents in that postcode.
2. Admissions to residential aged care relating to hospital leave have been excluded.
3. The linked data in this table is based on the number of unique residential aged care records linked; excess links have been excluded.

Table A5: Comparison of marital status in hospital data and marital status in aged care data by 'within 3 days' linkage key used, linked data set, NSW/ACT, 1999–00

Residential aged care	Hospital morbidity data					All
	Never married	Married including de facto	Widowed	Divorced or separated	Not stated	
	Number					
Linkage key = date of birth, sex and within 3 days						
Never married	855	250	263	34	140	1,542
Married including de facto	125	3,775	675	107	175	4,857
Widowed	328	1,202	7,676	340	657	10,203
Divorced or separated	78	218	226	398	102	1,022
Unknown	10	25	70	5	15	125
All	1,396	5,470	8,910	884	1,089	17,749
Linkage key = date of birth, sex, within 3 days and SLA group						
Never married	687	34	91	10	92	914
Married including de facto	30	2,624	128	22	82	2,886
Widowed	140	283	5,089	205	396	6,113
Divorced or separated	44	42	104	320	65	575
Unknown	7	14	49	2	10	82
All	908	2,997	5,461	559	645	10,570
	Per cent					
Linkage key = date of birth, sex and within 3 days						
Never married	4.8	1.4	1.5	0.2	0.8	8.7
Married including de facto	0.7	21.3	3.8	0.6	1.0	27.4
Widowed	1.8	6.8	43.2	1.9	3.7	57.5
Divorced or separated	0.4	1.2	1.3	2.2	0.6	5.8
Unknown	0.1	0.1	0.4	0.0	0.1	0.7
All	7.9	30.8	50.2	5.0	6.1	100.0
Linkage key = date of birth, sex, within 3 days and SLA group						
Never married	6.5	0.3	0.9	0.1	0.9	8.6
Married including de facto	0.3	24.8	1.2	0.2	0.8	27.3
Widowed	1.3	2.7	48.1	1.9	3.7	57.8
Divorced or separated	0.4	0.4	1.0	3.0	0.6	5.4
Unknown	0.1	0.1	0.5	0.0	0.1	0.8
All	8.6	28.4	51.7	5.3	6.1	100.0

Note: SLA group is derived from postcode. For a particular postcode, the corresponding SLA group includes all SLAs which have some residents in that postcode.

Table A6: Illustration showing residential aged care admissions: RCS standardised scores, needs by diagnosis, NSW/ACT, 1999–00 (per cent)

Standardised score ^{(a) (b)}	Principal diagnosis of dementia	Other dementia diagnosis	Other diagnoses	Unlinked admissions—no diagnosis	All
Personal care needs					
0–10	—	0.4	1.1	5.4	3.4
11–20	0.2	0.8	3.6	10.2	7.0
21–30	0.7	0.5	2.6	4.6	3.5
31–40	1.9	1.6	4.1	9.4	6.8
41–50	2.7	2.3	5.6	7.3	6.1
51–60	2.9	2.9	3.5	6.7	5.2
61–70	5.1	6.6	8.4	9.3	8.6
71–80	11.1	12.7	14.8	10.8	12.2
81–90	28.4	31.0	30.8	18.7	23.8
91–100	47.0	41.3	25.5	17.7	23.4
Total	100.0	100.0	100.0	100.0	100.0
Behavioural care needs					
0–10	5.1	7.9	18.2	21.5	18.6
11–20	10.8	13.4	20.5	19.0	18.6
21–30	12.3	17.3	20.5	17.1	17.9
31–40	13.3	18.0	16.9	13.9	15.2
41–50	15.4	12.8	9.1	9.1	9.7
51–60	12.8	13.3	7.7	8.0	8.7
61–70	11.1	9.3	3.8	5.2	5.4
71–80	8.7	3.8	1.9	3.3	3.1
81–90	10.6	4.1	1.5	3.0	2.9
91–100	—	—	—	—	—
Total	100.0	100.0	100.0	100.0	100.0
Other care needs					
0–10	2.2	1.7	4.3	13.6	9.3
11–20	2.7	1.5	3.2	9.2	6.5
21–30	4.3	3.5	4.8	11.0	8.2
31–40	10.6	8.3	7.9	12.9	10.9
41–50	14.0	13.7	9.2	11.9	11.4
51–60	20.5	17.6	14.0	12.9	14.0
61–70	19.0	19.9	17.4	11.2	14.2
71–80	14.9	18.7	17.8	8.5	12.5
81–90	11.6	13.4	18.0	7.6	11.3
91–100	0.2	1.7	3.3	1.2	1.8
Total	100.0	100.0	100.0	100.0	100.0

(continued)

Table A6 (continued): Illustration showing residential aged care admissions: RCS standardised scores, needs by diagnosis, NSW/ACT, 1999–00 (per cent)

Standardised score	Principal diagnosis of dementia	Other dementia diagnosis	Other diagnoses	Unlinked admissions—no diagnosis	All
All care needs					
0–10	—	0.1	0.6	3.4	2.1
11–20	0.5	0.9	4.4	13.1	8.9
21–30	2.7	1.7	4.8	11.2	8.1
31–40	2.2	2.4	5.8	10.8	8.2
41–50	5.3	5.2	7.2	10.0	8.5
51–60	11.1	17.4	16.9	14.3	15.3
61–70	35.7	31.6	31.2	18.4	24.0
71–80	33.0	33.2	24.9	15.6	20.7
81–90	9.6	7.3	4.0	3.2	4.1
91–100	—	0.2	0.2	0.1	0.1
Total	100.0	100.0	100.0	100.0	100.0

(a) Standardised scores are obtained by dividing the score for an admission by the maximum possible score, and multiplying by 100.

(b) RCS scores are not calculated for people admitted to residential aged care for respite care.

Notes

1. Diagnosis of dementia includes diagnoses of dementia and Alzheimer's disease (ICD-10 categories F00–F03, and G30) (NCCH 1998).
2. Personal care needs score is derived from RCS questions 1 to 8 (see Table 22).
3. Behavioural care needs care score is derived from RCS questions 9 to 14 (see Table 22).
4. Other care needs score is derived from RCS questions 15 to 21 (see Table 22).
5. Duplicates have not been removed from the linked data. The totals have been created by adding the linked and the unlinked data so that any effects of the duplicates on the distribution also affects the totals. Fewer than 1% of linked records were duplicates.
6. These data are presented to illustrate the capacity of the linkage methodology and are not intended as a basis for policy or planning.

A1.2 Preliminary tables including same day hospital separations

Table A7: Duplicates in the hospital morbidity data extract, including same day separations, NSW/ACT, 1999–00 (separations, number and per cent)

Number of repeats	Exact date	Within 1 day	Within 2 days	Within 3 days	Exact date	Within 1 day	Within 2 days	Within 3 days
Number					Per cent			
Linkage key = Date of birth and sex only								
Unique	543,169	483,675	411,450	362,207	88.4	78.7	66.9	58.9
2	66,238	112,031	153,390	176,596	10.8	18.2	25.0	28.7
3	5,022	16,762	39,279	55,493	0.8	2.7	6.4	9.0
4	328	2,057	8,703	15,472	0.1	0.3	1.4	2.5
5	5	217	1,570	3,868	0.0	0.0	0.3	0.6
6	6	14	286	857	0.0	0.0	0.0	0.1
7	—	10	71	196	—	0.0	0.0	0.0
8	—	2	14	52	—	0.0	0.0	0.0
9	—	—	2	14	—	—	0.0	0.0
10	—	—	—	6	—	—	—	0.0
11	—	—	3	3	—	—	0.0	0.0
12	—	—	—	4	—	—	—	0.0
All	614,768	614,768	614,768	614,768	100.0	100.0	100.0	100.0
Linkage key = Date of birth, sex and postcode								
Unique	612,698	607,503	576,784	559,821	99.7	98.8	93.8	91.1
2	2,064	7,188	36,510	52,457	0.3	1.2	5.9	8.5
3	6	69	1,410	1,896	0.0	0.0	0.2	0.3
4	—	8	60	588	—	0.0	0.0	0.1
5	—	—	2	4	—	—	0.0	0.0
6	—	—	2	2	—	—	0.0	0.0
All	614,768	614,768	614,768	614,768	100.0	100.0	100.0	100.0
Linkage key = Date of birth, sex and SLA								
Unique	564,728	519,587	453,717	410,744	91.9	84.5	73.8	66.8
2	46,604	82,379	126,422	150,636	7.6	13.4	20.6	24.5
3	3,273	11,443	27,747	39,514	0.5	1.9	4.5	6.4
4	152	1,204	5,651	10,574	0.0	0.2	0.9	1.7
5	5	120	981	2,551	0.0	0.0	0.2	0.4
6	6	32	226	557	0.0	0.0	0.0	0.1
7	—	3	18	165	—	0.0	0.0	0.0
8	—	—	3	18	—	—	0.0	0.0
9	—	—	3	3	—	—	0.0	0.0
10	—	—	—	6	—	—	—	0.0
All	614,768	614,768	614,768	614,768	100.0	100.0	100.0	100.0

Table A8: Records with unique linkage keys in the hospital morbidity data extract including same day separations, by linkage key and age group, NSW/ACT, 1999-00 (per cent of all records)

Linkage key	65-69 yrs	70-74 yrs	75-79 yrs	80-84 yrs	85-89 yrs	90-94 yrs	95+ yrs	All
Exact date								
Date of birth and sex	87.6	85.9	86.6	91.0	94.5	97.7	99.2	88.4
Date of birth, sex and postcode	99.7	99.6	99.6	99.6	99.8	99.8	99.8	99.7
Date of birth, sex and SLA	99.2	99.0	99.0	99.1	99.3	99.5	99.6	99.1
Within 3 days								
Date of birth and sex	54.7	50.9	54.5	67.5	79.7	90.9	96.2	58.9
Date of birth, sex and postcode	88.1	88.5	91.2	94.3	97.6	98.8	98.9	91.1
Date of birth, sex and SLA	79.8	79.1	83.5	89.2	94.5	97.0	97.4	83.8
All records (number)	135,908	160,689	151,592	95,114	51,487	16,660	3,318	614,768

Note: SLA is derived from postcode and SLA data provided in the hospital morbidity data—see footnote 4.

Table A9: Duplicates in the linked data using different linkage keys, including same day separations, NSW/ACT, 1999–00

Linkage key	Exact date match		Within 3 days	
	Number	Per cent	Number	Per cent
Date of birth, sex and date of separation/admission				
Number of RACS records linked to one hospital record				
1	14,600	98.7	21,444	97.7
2	196	1.3	504	2.3
3	—	—	3	0.0
Number of hospital records linked to one RACS record				
1	12,566	84.9	13,328	60.7
2	2,010	13.6	5,870	26.7
3	204	1.4	2,037	9.3
4	16	0.1	540	2.5
5	—	—	145	0.7
6	—	—	24	0.1
7	—	—	7	0.0
Total	14,796	100.0	21,951	100.0
Date of birth, sex and date of separation/admission and postcode				
Number of RACS records linked to one hospital record				
1	4,083	99.8	4,373	99.8
2	8	0.2	24	0.2
3	—	—	—	—
Number of hospital records linked to one RACS record				
1	4,057	99.2	4,291	97.6
2	34	0.8	100	2.3
3	—	—	6	0.1
Total	4,091	100.0	4,397	100.0
Date of birth, sex and date of separation/admission and SLA group				
Number of RACS records linked to one hospital record				
1	10,044	99.9	10,849	99.5
2	14	0.1	58	0.5
Number of hospital records linked to one RACS record				
1	9,948	98.9	10,420	95.5
2	110	1.1	442	4.1
3	—	—	45	0.4
Total	10,058	100.0	10,907	100.0

Table A10: Duplicates in the linked data using different linkage keys, by age, includes same day separations, NSW/ACT, 1999–00

Linkage key	65–69 yrs	70–74 yrs	75–79 yrs	80–84 yrs	85–89 yrs	90–94 yrs	95+ yrs	Total
Number								
Date of birth and sex, and hospital discharge/RACS admission within 3 days								
Number of RACS records linked to one hospital record								
Unique	1,314	2,924	5,077	5,468	4,373	1,869	419	21,444
Not unique	6	22	78	165	170	56	10	507
Number of hospital records linked to one RACS record								
Unique	648	1,292	2,505	3,436	3,343	1,694	410	13,328
Not unique	672	1,654	2,650	2,197	1,200	231	19	8,623
Total	1,320	2,946	5,155	5,633	4,543	1,925	429	21,951
Date of birth, sex and exact discharge/admission date								
Number of RACS records linked to one hospital record								
Unique	813	1,692	3,094	3,671	3,321	1,613	396	14,600
Not unique	4	6	22	70	72	18	4	196
Number of hospital records linked to one RACS record								
Unique	621	1,271	2,424	3,187	3,091	1,580	392	12,566
Not unique	196	427	692	554	302	51	8	2,230
Total	817	1,698	3,116	3,741	3,393	1,631	400	14,796
Date of birth, sex, exact discharge/admission date and postcode								
Number of RACS records linked to one hospital record								
Unique	183	401	744	1,017	1,049	540	149	4,083
Not unique	—	—	—	6	—	2	—	8
Number of hospital records linked to one RACS record								
Unique	175	395	738	1,019	1,041	542	147	4,057
Not unique	8	6	6	4	8	—	2	34
Total	183	401	744	1,023	1,049	542	149	4,091
Date of birth, sex, exact discharge/admission date and SLA group								
Number of RACS records linked to one hospital record								
Unique	496	961	1,906	2,509	2,520	1,312	340	10,044
Not unique	—	—	—	8	4	2	—	14
Number of hospital records linked to one RACS record								
Unique	480	933	1,876	2,499	2,512	1,312	336	9,948
Not unique	16	28	30	18	12	2	4	110
Total	496	961	1,906	2,517	2,524	1,314	340	10,058

(continued)

Table A10 (continued): Duplicates in the linked data using different linkage keys, by age, includes same day separations, NSW/ACT, 1999–00

Linkage key	65–69 yrs	70–74 yrs	75–79 yrs	80–84 yrs	85–89 yrs	90–94 yrs	95+ yrs	Total
Column per cent								
Date of birth and sex, and hospital discharge/RACS admission within 3 days								
Number of RACS records linked to one hospital record								
Unique	99.5	99.3	98.5	97.1	96.3	97.1	97.7	97.7
Not unique	0.5	0.7	1.5	2.9	3.7	2.9	2.3	2.3
Number of hospital records linked to one RACS record								
Unique	49.1	43.9	48.6	61.0	73.6	88.0	95.6	60.7
Not unique	50.9	56.1	51.4	39.0	26.4	12.0	4.4	39.3
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Date of birth, sex, and exact discharge/admission date								
Number of RACS records linked to one hospital record								
Unique	99.5	99.6	99.3	98.1	97.9	98.9	99.0	98.7
Not unique	0.5	0.4	0.7	1.9	2.1	1.1	1.0	1.3
Number of hospital records linked to one RACS record								
Unique	76.0	74.9	77.8	85.2	91.1	96.9	98.0	84.9
Not unique	24.0	25.1	22.2	14.8	8.9	3.1	2.0	15.1
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Date of birth, sex, exact discharge/admission date and postcode								
Number of RACS records linked to one hospital record								
Unique	100.0	100.0	100.0	99.4	100.0	99.6	100.0	99.8
Not unique	—	—	—	0.6	—	0.4	—	0.2
Number of hospital records linked to one RACS record								
Unique	95.6	98.5	99.2	99.6	99.2	100.0	98.7	99.2
Not unique	4.4	1.5	0.8	0.4	0.8	—	1.3	0.8
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Date of birth, , sex, exact discharge/admission date and SLA group								
Number of RACS records linked to one hospital record								
Unique	100.0	100.0	100.0	99.7	99.8	99.8	100.0	99.9
Not unique	—	—	—	0.3	0.2	0.2	—	0.1
Number of hospital records linked to one RACS record								
Unique	96.8	97.1	98.4	99.3	99.5	99.8	98.8	98.9
Not unique	3.2	2.9	1.6	0.7	0.5	0.2	1.2	1.1
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0