

Appendix 4 Tables for Tasmania

Table A27: Duplicates in the residential aged care extract using different linkage keys, by type of resident, Tasmania, 1999–00 (admissions, number and per cent)

Linkage key	Permanent	Respite	Leave	All	Permanent	Respite	Leave	All
	Number				Per cent			
Exact dates								
Linkage key = Date of birth, sex and admission date								
Unique	1,062	1,306	166	2,534	100.0	100.0	100.0	100.0
All	1,062	1,306	166	2,534	100.0	100.0	100.0	100.0
Linkage key = Date of birth, sex admission date and postcode								
Unique	1,062	1,306	166	2,534	100.0	100.0	100.0	100.0
All	1,062	1,306	166	2,534	100.0	100.0	100.0	100.0
Within 3 days								
Linkage key = Date of birth, sex and admission date								
Unique	1,062	1,306	166	2,526	100.0	100.0	100.0	99.7
2	—	—	—	8	—	—	—	0.3
All	1,062	1,306	166	2,534	100.0	100.0	100.0	100.0
Linkage key = Date of birth, sex admission date and postcode								
Unique	1,062	1,306	166	2,527	100.0	100.0	100.0	99.7
2	—	—	—	7	—	—	—	0.3
All	1,062	1,306	166	2,534	100.0	100.0	100.0	100.0

Note: Duplicates among 'All' records include cases with the same linkage key but a different type of resident entry. Consequently the number of unique linkage keys among 'All' records is larger than the sum of the duplicates in the three resident entry types.

Table A28: Duplicates in the hospital morbidity extract using different linkage keys, Tasmania, 1999–00 (separations)

Number of duplicates	Linkage key					
	Date of birth and sex only		Date of birth, sex and postcode		Date of birth, sex and SLA	
	Exact date	Within 3 days	Exact date	Within 3 days	Exact date	Within 3 days
	Number					
Unique	21,893	21,436	21,959	21,711	21,949	21,705
2	98	542	32	276	42	280
3	—	13	—	4	—	6
All	21,991	21,991	21,991	21,991	21,991	21,991
	Per cent					
Unique	99.6	97.5	99.9	98.7	99.8	98.7
2	0.4	2.5	0.1	1.3	0.2	1.3
3	—	0.1	—	0.0	—	0.0
All	100.0	100.0	100.0	100.0	100.0	100.0

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

Table A29: The effect of age on the per cent of unique linkage keys in the hospital morbidity data, using different linkage keys, Tasmania, 1999–00

Linkage key	65–69	70–74	75–79	80–84	85–89	90–94	95+	All
Exact date	Number with unique linkage keys							
Date of birth and sex	4,124	4,989	5,427	3,966	2,491	753	143	21,893
Date of birth, sex and postcode	4,136	5,001	5,445	3,986	2,495	753	143	21,959
Date of birth, sex and SLA	4,136	5,001	5,441	3,982	2,493	753	143	21,949
Within 3 days								
Date of birth and sex	4,039	4,861	5,301	3,886	2,459	748	142	21,436
Date of birth, sex and postcode	4,081	4,935	5,393	3,940	2,471	749	142	21,711
Date of birth, sex and SLA	4,083	4,934	5,388	3,938	2,471	749	142	21,705
All records	4,138	5,011	5,455	3,996	2,495	753	143	21,991
Exact date	Per cent with unique linkage keys							
Date of birth and sex	99.7	99.6	99.5	99.2	99.8	100.0	100.0	99.6
Date of birth, sex and postcode	100.0	99.8	99.8	99.7	100.0	100.0	100.0	99.9
Date of birth, sex and SLA	100.0	99.8	99.7	99.6	99.9	100.0	100.0	99.8
Within 3 days								
Date of birth and sex	97.6	97.0	97.2	97.2	98.6	99.3	99.3	97.5
Date of birth, sex and postcode	98.6	98.5	98.9	98.6	99.0	99.5	99.3	98.7
Date of birth, sex and SLA	98.7	98.5	98.8	98.5	99.0	99.5	99.3	98.7

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

Table A30: Duplicates in the linked data using different linkage keys, Tasmania, 1999–00

Number of records linking	Exact date match		Within 3 days	
	Number	Per cent	Number	Per cent
Hospital records linked to one residential aged care record				
<i>Linkage key = Date of birth, sex and date of separation/admission</i>				
1	602	100.0	666	99.7
2	—	0.0	2	0.3
<i>Total</i>	<i>602</i>	<i>100.0</i>	<i>668</i>	<i>100.0</i>
<i>Linkage key = Date of birth, sex and date of separation/admission and postcode</i>				
1	394	100.0	429	100.0
<i>Total</i>	<i>394</i>	<i>100.0</i>	<i>429</i>	<i>100.0</i>
<i>Linkage key = Date of birth, sex and date of separation/admission and SLA group</i>				
1	484	100.0	525	100.0
<i>Total</i>	<i>484</i>	<i>100.0</i>	<i>525</i>	<i>100.0</i>
Residential aged care records linked to one hospital record				
<i>Linkage key = Date of birth, sex and date of separation/admission</i>				
1	596	99.0	648	97.0
2	6	1.0	20	3.0
<i>Total</i>	<i>602</i>	<i>100.0</i>	<i>668</i>	<i>100.0</i>
<i>Linkage key = Date of birth, sex and date of separation/admission and postcode</i>				
1	394	100.0	423	98.6
2	—	0.0	6	1.4
<i>Total</i>	<i>394</i>	<i>100.0</i>	<i>429</i>	<i>100.0</i>
<i>Linkage key = Date of birth, sex and date of separation/admission and SLA group</i>				
1	484	100.0	519	98.9
2	—	0.0	6	1.1
<i>Total</i>	<i>484</i>	<i>100.0</i>	<i>525</i>	<i>100.0</i>
All duplicates				
Linkage key = Date of birth, sex and date of separation/admission				
Unique links	596	99.0	646	96.7
Non-unique links	6	1.0	22	3.3
Total	602	100.0	668	100.0
Linkage key = Date of birth, sex and date of separation/admission and postcode				
Unique links	394	100.0	423	98.6
Non-unique links	—	—	6	1.4
Total	394	100.0	429	100.0
Linkage key = Date of birth, sex and date of separation/admission and SLA group				
Unique links	484	100.0	519	98.9
Non-unique links	—	—	6	1.1
Total	484	100.0	525	100.0

Note: If a record in one extract links to more than one record in the other extract then the linked database contains records for each link. For example, one residential aged care admission linking to two hospital separations results in two linked records and vice versa.

Table A31: The effect of age on the per cent of unique linkage keys in the linked data, using different linkage keys, Tasmania, 1999–00 (linked records)

Linkage key	65–69	70–74	75–79	80–84	85–89	90–94	95+	Total
Exact date		Number with unique keys						
Date of birth and sex	19	54	126	152	161	70	14	596
Date of birth, sex and postcode	14	37	87	91	106	49	10	394
Date of birth, sex and SLA group	14	46	104	115	134	58	13	484
Within 3 days								
Date of birth and sex	19	56	139	166	180	71	15	646
Date of birth, sex and postcode	14	39	96	98	115	51	10	423
Date of birth, sex and SLA group	14	48	114	124	145	60	14	519
Exact date		Total number of linked records						
Date of birth and sex	19	54	128	154	163	70	14	602
Date of birth, sex and postcode	14	37	87	91	106	49	10	394
Date of birth, sex and SLA group	14	46	104	115	134	58	13	484
Within 3 days								
Date of birth and sex	19	60	145	172	182	75	15	668
Date of birth, sex and postcode	14	41	98	100	115	51	10	429
Date of birth, sex and SLA group	14	50	116	126	145	60	14	525
Exact date		Per cent with unique linkage keys						
Date of birth and sex	100.0	100.0	98.4	98.7	98.8	100.0	100.0	99.0
Date of birth, sex and postcode	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Date of birth, sex and SLA group	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Within 3 days								
Date of birth and sex	100.0	93.3	95.9	96.5	98.9	94.7	100.0	96.7
Date of birth, sex and postcode	100.0	95.1	98.0	98.0	100.0	100.0	100.0	98.6
Date of birth, sex and SLA group	100.0	96.0	98.3	98.4	100.0	100.0	100.0	98.9

Table A32: Hospital separation mode for exact date linked data, unlinked data and all hospital data, by linkage key used, Tasmania, 1999–00

Separation mode	Linked data: type of entry into 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 exact day						
To another hospital	34	7	11	52	1,790	1,842
To nursing home	280	23	30	333	464	797
To other health care accommodation	22	8	7	37	1,493	1,530
Unknown	2	1	1	4	107	111
Other	77	35	64	176	17,535	17,711
All	415	74	113	602	21,389	21,991
Linkage key = date of birth, sex, exact day and SLA group						
To another hospital	28	6	7	41	1,801	1,842
To nursing home	228	20	26	274	523	797
To other health care accommodation	21	8	7	36	1,494	1,530
Unknown	2	1	1	4	107	111
Other	53	29	47	129	17,582	17,711
All	332	64	88	484	21,507	21,991
	Row per cent					
Linkage key = date of birth, sex and exact day						
To another hospital	1.8	0.4	0.6	2.8	97.2	100.0
To nursing home	35.1	2.9	3.8	41.8	58.2	100.0
To other health care accommodation	1.4	0.5	0.5	2.4	97.6	100.0
Unknown	1.8	0.9	0.9	3.6	96.4	100.0
Other	0.4	0.2	0.4	1.0	99.0	100.0
All	1.9	0.3	0.5	2.7	97.3	100.0
Linkage key = date of birth, sex, exact day and SLA group						
To another hospital	1.5	0.3	0.4	2.2	97.8	100.0
To nursing home	28.6	2.5	3.3	34.4	65.6	100.0
To other health care accommodation	1.4	0.5	0.5	2.4	97.6	100.0
Unknown	1.8	0.9	0.9	3.6	96.4	100.0
Other	0.3	0.2	0.3	0.7	99.3	100.0
All	1.5	0.3	0.4	2.2	97.8	100.0
	Column per cent					
Linkage key = date of birth, sex and exact day						
To another hospital	8.2	9.5	9.7	8.6	8.4	8.4
To nursing home	67.5	31.1	26.5	55.3	2.2	3.6
To other health care accommodation	5.3	10.8	6.2	6.1	7.0	7.0
Unknown	0.5	1.4	0.9	0.7	0.5	0.5
Other	18.6	47.3	56.6	29.2	82.0	80.5
All	100.0	100.0	100.0	100.0	100.0	100.0
Linkage key = date of birth, sex, exact day and SLA group						
To another hospital	8.4	9.4	8.0	8.5	8.4	8.4
To nursing home	68.7	31.3	29.5	56.6	2.4	3.6
To other health care accommodation	6.3	12.5	8.0	7.4	6.9	7.0
Unknown	0.6	1.6	1.1	0.8	0.5	0.5
Other	16.0	45.3	53.4	26.7	81.8	80.5
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 hospital records linked; excess links have been excluded.

Table A33: Place of assessment for exact date linked and unlinked residential aged care data, by linkage key used, Tasmania, 1999–00

Place of assessment	Linked data			Unlinked			All RACS data		
	Permanent	Respite	All	Permanent	Respite	All	Permanent	Respite	All
Number									
Linkage key = date of birth, sex and exact date									
Aged care facility	10	5	15	55	31	86	65	36	101
At home	95	42	137	388	1,012	1,400	483	1,054	1,537
Hospital	295	23	318	147	105	252	442	128	570
Other	12	4	16	60	84	144	72	88	160
Total	412	74	486	650	1,232	1,882	1,062	1,306	2,368
Linkage key = date of birth, sex, exact date and SLA group									
Aged care facility	7	2	9	58	34	92	65	36	101
At home	81	38	119	402	1,016	1,418	483	1,054	1,537
Hospital	235	21	256	207	107	314	442	128	570
Other	9	3	12	63	85	148	72	88	160
Total	332	64	396	730	1,242	1,972	1,062	1,306	2,368
Per cent									
Linkage key = date of birth, sex and exact date									
Aged care facility	2.4	6.8	3.1	8.5	2.5	4.6	6.1	2.8	4.3
At home	23.1	56.8	28.2	59.7	82.1	74.4	45.5	80.7	64.9
Hospital	71.6	31.1	65.4	22.6	8.5	13.4	41.6	9.8	24.1
Other	2.9	5.4	3.3	9.2	6.8	7.7	6.8	6.7	6.8
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, exact date and SLA group									
Aged care facility	2.1	3.1	2.3	7.9	2.7	4.7	6.1	2.8	4.3
At home	24.4	59.4	30.1	55.1	81.8	71.9	45.5	80.7	64.9
Hospital	70.8	32.8	64.6	28.4	8.6	15.9	41.6	9.8	24.1
Other	2.7	4.7	3.0	8.6	6.8	7.5	6.8	6.7	6.8
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 A34: Comparison of marital status in hospital data and marital status in aged care data by exact date linkage key used, linked data set, Tasmania, 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 exact date						
Never married	—	—	—	—	37	37
Married including de facto	1	7	—	—	174	182
Widowed	2	—	5	—	352	359
Divorced or separated	—	1	—	—	23	24
Unknown	—	—	—	—	—	—
All	3	8	5	—	586	602
Linkage key = date of birth, sex, exact date and SLA group						
Never married	—	—	—	—	30	30
Married including de facto	—	6	—	—	144	150
Widowed	1	—	4	—	280	285
Divorced or separated	—	—	—	—	19	19
Unknown	—	—	—	—	—	—
All	1	6	4	—	473	484
	Per cent					
Linkage key = date of birth, sex and exact date						
Never married	—	—	—	—	6.1	6.1
Married including de facto	0.2	1.2	—	—	28.9	30.2
Widowed	0.3	—	0.8	—	58.5	59.6
Divorced or separated	—	0.2	—	—	3.8	4.0
Unknown	—	—	—	—	—	—
All	0.5	1.3	0.8	—	97.3	100.0
Linkage key = date of birth, sex, exact date and SLA group						
Never married	—	—	—	—	6.2	6.2
Married including de facto	—	1.2	—	—	29.8	31.0
Widowed	0.2	—	0.8	—	57.9	58.9
Divorced or separated	—	—	—	—	3.9	3.9
Unknown	—	—	—	—	—	—
All	0.2	1.2	0.8	—	97.7	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.