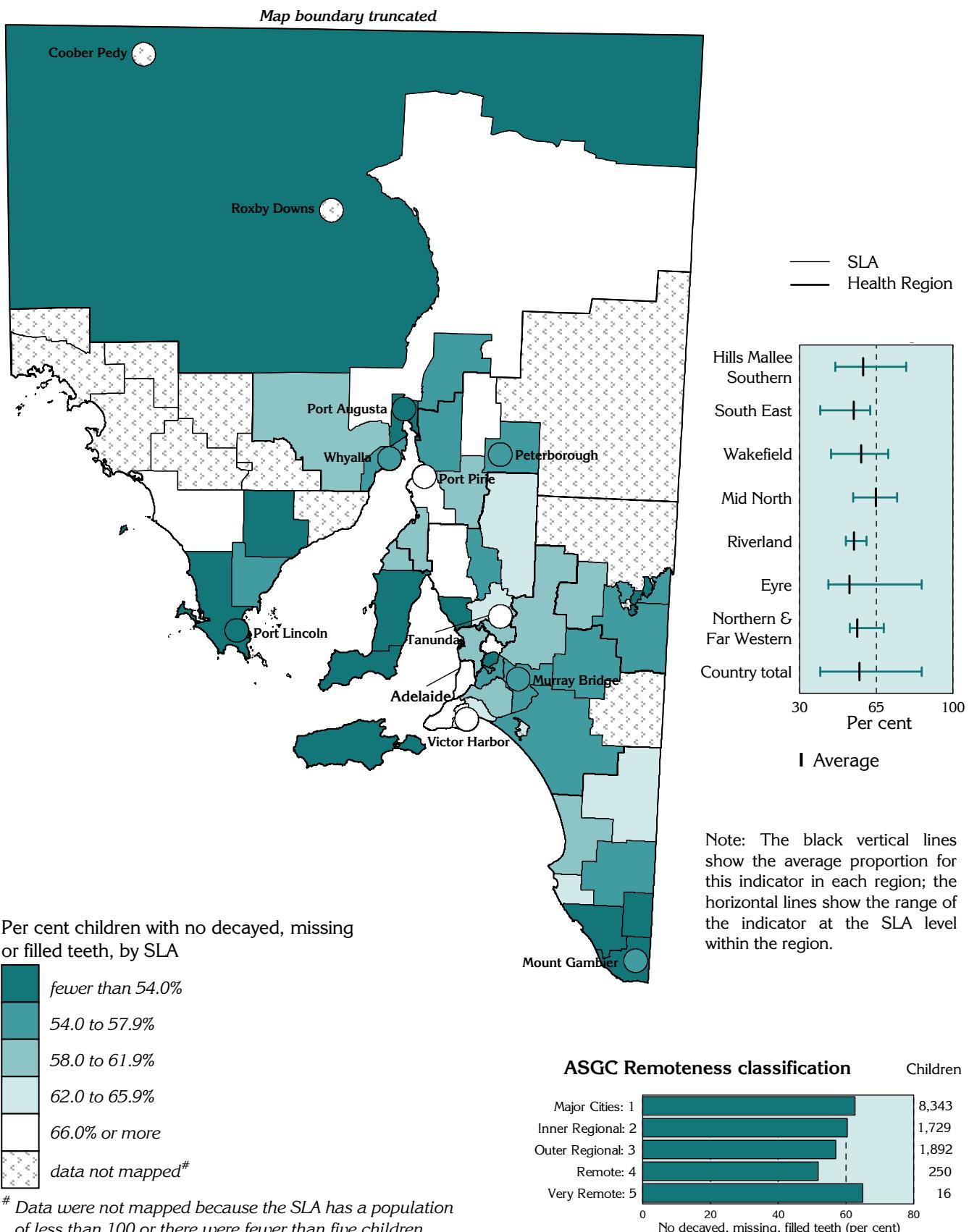


Map 6.14

Dental health of 12 year old children: no decayed, missing or filled teeth, South Australia, 2002 to 2004



Source: See data sources, Appendix 1.3

Details of map boundaries are in Appendix 1.2

A Social Health Atlas of South Australia, 2006

Incidence of breast cancer, 1998 to 2002

Breast cancer is the most frequently diagnosed cancer, and is also the commonest cause of cancer death, in women in Australia. The incidence of breast cancer increases with age. Women of high socioeconomic status are at greater risk of breast cancer than women of low socioeconomic status with possible reasons including differences in reproductive and lifestyle factors. Other factors implicated in the development of breast cancer include family history, parity, length of menstrual cycle, breast feeding, diethylstilboestrol use during pregnancy, infertility, miscarriage, termination of pregnancy, radiation exposure, physical activity, stress, height, alcohol consumption, smoking and dietary factors (Kelsey 1993; Coates & Armstrong 1997).

The five-year survival rate for breast cancer is 78% (SA Cancer Registry 2005). The incidence of breast cancer in South Australia increased by 20.5% between the periods 1986 to 1993 (176 new cases per 100,000 women aged 30 years and over), and 1998 to 2002 (212 new cases per 100,000 women). The proportional change across Metropolitan Adelaide (20.7%) and country South Australia (21.1%) is almost identical (Table 6.41).

Table 6.41: Incidence of breast cancer

Age-standardised incidence rate per 100,000 women aged 30 years and over

Area	1986-1993	1998-2002	Per cent change ¹
Metropolitan Adelaide (incl. Gawler)	179	216	20.7
Country	166	201	21.1
South Australia	176	212	20.5

¹Per cent change over eleven years in the rate of breast cancer incidence

Metropolitan regions

There were 3,659 new cases of breast cancer recorded for females in the metropolitan regions (excluding Gawler) from 1998 to 2002, two per cent more than expected from the State rates (a standardised incidence ratio (SIR) of 102). There were nine per cent more cases than expected from the State rates in Southern Adelaide (an SIR of 109**, 1,187 cases), and one per cent fewer cases than expected in Central Northern Adelaide (99, 2,472 cases) (Table 6.42).

The overall pattern is suggestive of higher rates of new cases of breast cancer in areas of higher socioeconomic status (Map 6.38). This contention is supported by the correlation analysis, which shows breast cancer to be weakly correlated with variables reflecting relative advantage, such as female labour force participation; fulltime educational participation at 16 years of age; high income families and the Index of Relative Socio-Economic Disadvantage. Incidence was weakly correlated with rates of participation and cancers detected through screening (Table 8.1).

Central Northern Adelaide

There were 2,472 new cases of breast cancer in Central Northern (an SIR of 99). Unlike other patterns of disease mapped in this atlas, many of the most highly elevated ratios of breast cancer were mapped in the advantaged SLAs.

Walkerville had the highest standardised incidence ratio, with 32% more cases than expected from the State rates (an SIR of 132, 40 cases), followed by Burnside - South-West (120, 98), Unley - West (115, 67) and - East (114, 74), Tea Tree Gully -

North (114, 66) and - Central (112, 88), and Port Adelaide Enfield - Inner (112, 80).

There were large numbers of new cases of breast cancer in West Torrens - West (115 cases, 104), Tea Tree Gully - South (113 cases, 104) and Port Adelaide Enfield - Coast (103 cases, 104).

The SLAs with the lowest ratios were Playford - West (an SIR of 36**, eight cases), Salisbury Balance (41*, five), Playford - Hills (56, five), Salisbury - Central (75*, 55), Charles Sturt - North-East (71**, 80), Playford - East Central (an SIR of 82, 34), Charles Sturt - Inner East (an SIR of 83, 66), Norwood Payneham St Peters - West (an SIR of 83, 52), Campbelltown - East (an SIR of 83, 79), Playford - West Central (an SIR of 84, 26) and Norwood Payneham St Peters - East (an SIR of 88, 60).

Southern Adelaide

There were 1,187 new cases in Southern over the five years from 1998 to 2002 (an SIR of 109**). The most highly elevated ratio in this region was in Mitcham - North-East, with an SIR of 141** and 84 cases, followed by Marion - North (121*, 120), Onkaparinga - Hills (an SIR of 119, 45 cases), Marion - Central (118*, 159), Onkaparinga - Woodcroft (115, 102) and Onkaparinga - Reservoir (114, 77).

There were below average ratios in Onkaparinga - Hackham (an SIR of 78, 30 cases) and Marion - South (84, 44).

* indicates statistical significance: see page 24

Royal District Nursing Service clients, 2003/2004

The Royal District Nursing Service (RDNS) provides a range of health care services, including general and specialised nursing, to clients with the dual objectives of improving their health status whilst also enabling them to enjoy the benefits of remaining at home, thus retaining independence and an active role in their health care. There were 14,285 clients in Metropolitan Adelaide in 2003/2004, a rate of 1,276 clients per 100,000 population. The rates in both Central Northern and Southern were similar (Table 7.9).

Table 7.9: Royal District Nursing Service clients, 2003/2004

Age-standardised rate per 100,000		
Section of State	No.	Rate
Central Northern (excl. Gawler)	8,867	1,186
Southern	4,334	1,277
Metropolitan Adelaide (incl. Gawler)	14,285	1,276

Data were not mapped for the SLA of Adelaide, because clients who contact Healthcare Access (the RDNS call centre) can choose to remain anonymous, resulting in their suburb being recorded as Adelaide. Further, all homeless clients seen by RDNS are allocated to the SLA of Adelaide.

Metropolitan regions

There were 14,102 clients in the metropolitan regions (excluding Gawler) in 2003/2004 (an SCR of 100). The most highly elevated SCRs were in the northern, western and southern SLAs, with relatively low ratios to the east and south-east of the city (Map 7.9).

High rates of Royal District Nursing Service clients are strongly correlated at the SLA level with indicators of disadvantage. These results, together with a strong inverse correlation with the Index of Relative Socio-Economic Disadvantage, indicate an association at the SLA level between socioeconomic disadvantage and being a client of the Royal District Nursing Service (Table 8.1).

Central Northern Adelaide

There were 901 RDNS clients attributed to the SLA of Adelaide (a SCR of 510**). These clients include those who wish to remain anonymous and all homeless RDNS clients, and so do not reflect the number of RDNS clients who are residents in this SLA. Excluding the large number of clients recorded for Adelaide, there were seven per cent fewer clients in the Central Northern region than expected, based on the rates in the metropolitan regions (93**, 8,867).

The SLA with the most highly elevated SCR (other than Adelaide) was Salisbury - Inner North (133**, 226), with elevated ratios also in Playford - West Central (128**, 127), Port Adelaide Enfield - Coast (127**, 472), - Port (127**, 450) and - Inner (118**, 368), Playford - Elizabeth (114**, 374), Charles Sturt - Inner West (113**, 417) and - Inner East (106, 350), West Torrens - East (an SCR of 105, 356)

and Charles Sturt - North-East (an SCR of 105, 382).

Large numbers of RDNS clients, but lower ratios, were found in Charles Sturt - Coastal (443 clients, 92), West Torrens - West (438, 87**), Port Adelaide Enfield - East (358 clients, 94), Burnside - South-West (339 clients, 95), Tea Tree Gully - South (306, 76**) and Salisbury - South-East (302, 87*).

Low SCRs were recorded for Adelaide Hills - Central (an SCR of 4**, six clients) and - Ranges (36**, 33), Tea Tree Gully - Hills (55**, 65), Walkerville (71**, 87), Tea Tree Gully - North (72**, 136), Unley - East (73**, 229), Campbelltown - West (73**, 239), Burnside - North-East (76**, 265), Tea Tree Gully - South (76**, 306) and - Central (77**, 188), Playford - Hills (79, 18), Campbelltown - East (79**, 265) and Salisbury - Central (81**, 227).

Southern Adelaide

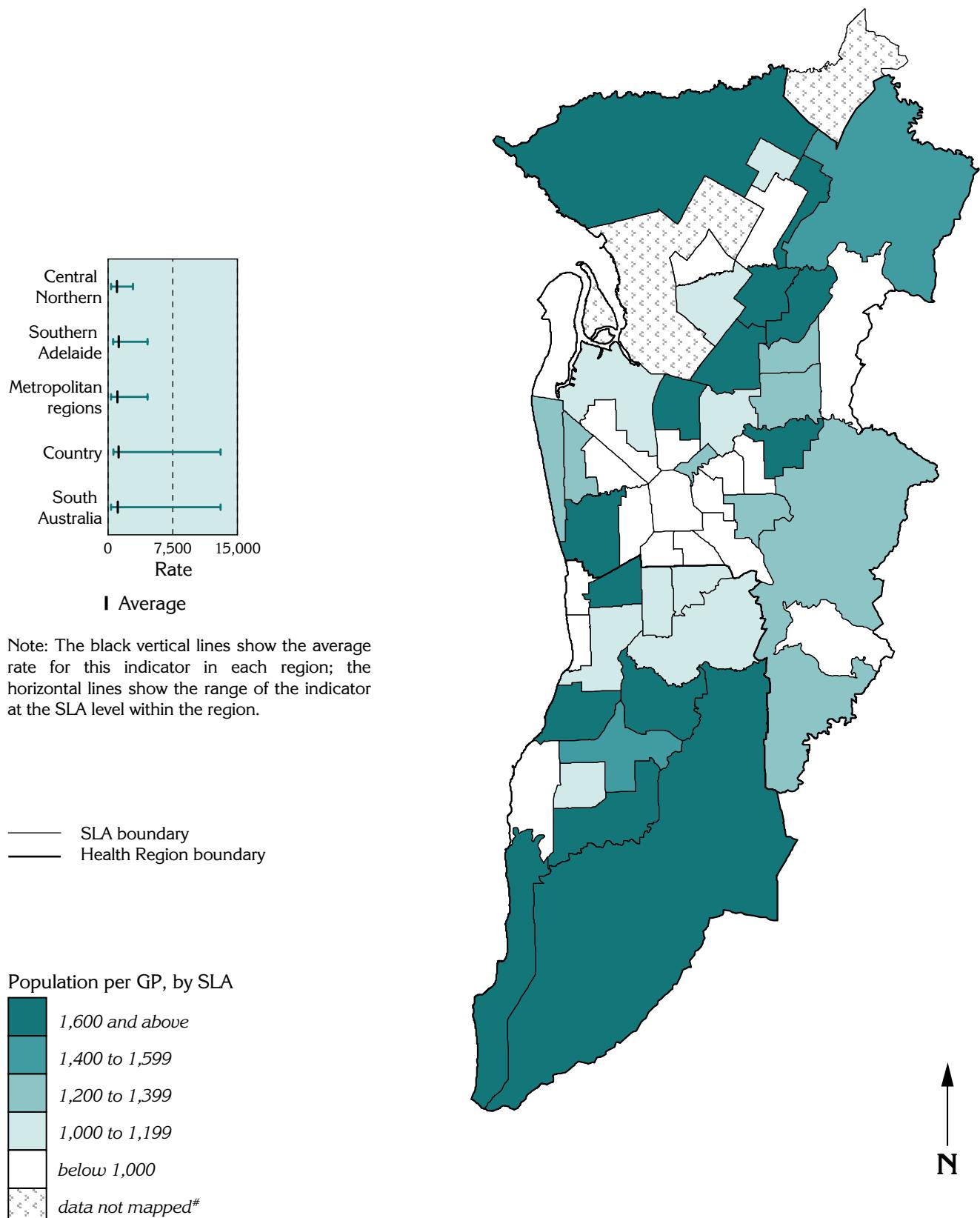
There were 4,334 RDNS clients in Southern (an SCR of 100). Within the region, there were elevated ratios in Holdfast Bay - North (126**, 514 clients), Marion - North (121**, 563), Mitcham - West (113*, 421), Onkaparinga - South Coast (an SCR of 110, 275) and - North Coast (an SCR of 108, 265), and Marion - Central (an SCR of 105, 565).

Onkaparinga - Hills (65**, 87 clients), Mitcham - Hills (66**, 205), Marion - South (71**, 109), Onkaparinga - Reservoir (74**, 162) and Holdfast Bay - South (80**, 229) all had below average rates.

* indicates statistical significance: see page 24

Map 7.17

Population per general medical practitioner (GP), metropolitan regions, 2002/2003



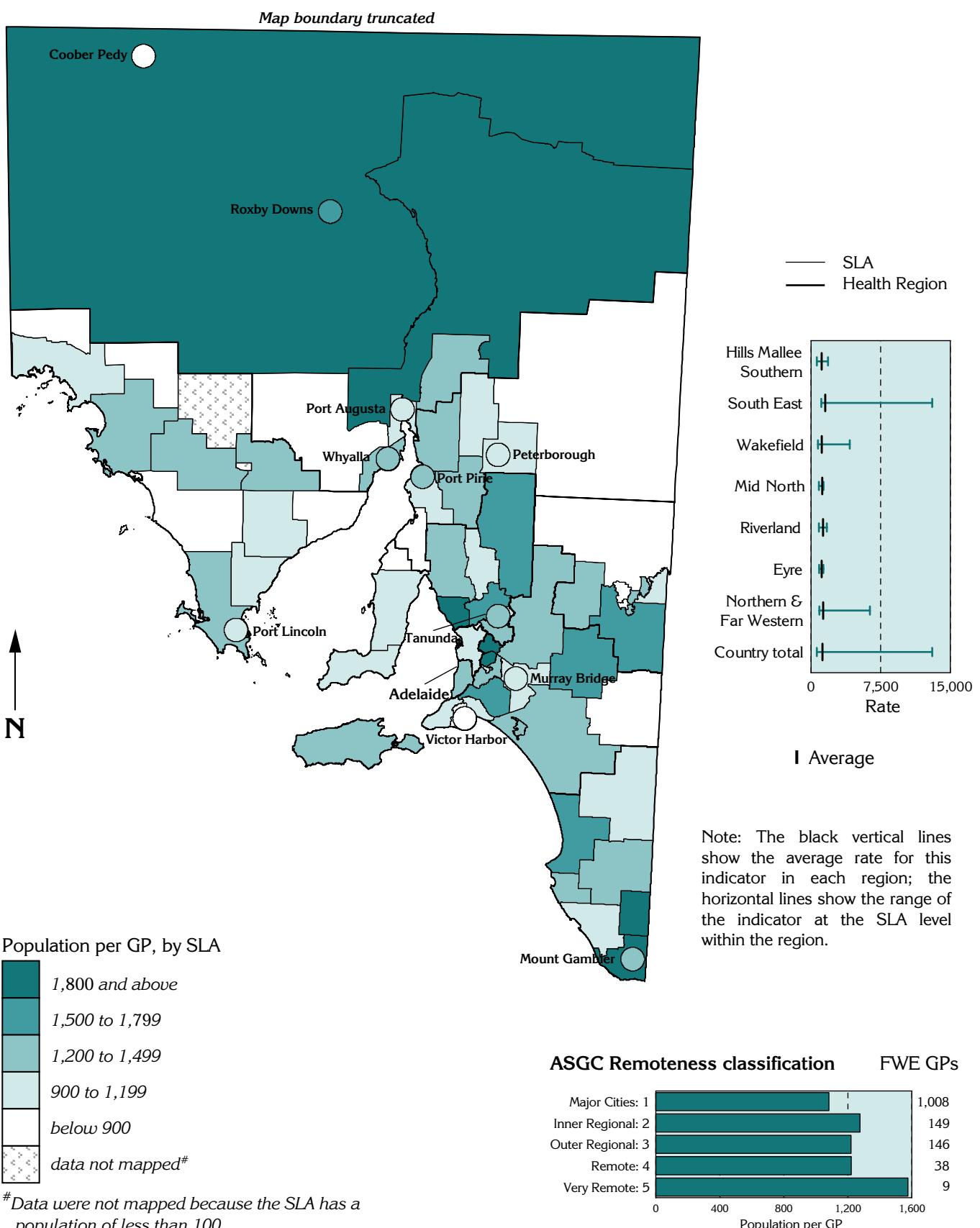
Source: See Data sources, Appendix 1.3

Details of map boundaries are in Appendix 1.2

A Social Health Atlas of South Australia, 2006

Map 7.18

Population per general medical practitioner (GP), South Australia, 2002/2003



Source: See Data sources, Appendix 1.3

Details of map boundaries are in Appendix 1.2

A Social Health Atlas of South Australia, 2006

Admissions of females aged 15 to 44 years for a Caesarean section, 2003/2004

A Caesarean section is a surgical procedure where an incision (a cut) is made through the abdominal wall and uterus to deliver the baby. A Caesarean section is usually performed when it is safer for the mother or the baby than a vaginal delivery, or a vaginal delivery is not possible. In other cases, a woman may choose to have a Caesarean section rather than deliver her baby vaginally. Thus, some Caesarean sections are planned and some are performed as an emergency. Australia's rate of Caesarean sections is high by international standards; and in South Australia in 2003, 30% of births were by Caesarean section, compared to 17% in 1981 (PC 2006). Caesarean section rates are also higher when mothers are treated as private patients in either public or private hospitals in Australia (Roberts et al. 2000).

As Caesarean sections are generally performed on women aged from 15 to 44 years, this age range has been used in standardising the data. The rates of admission in 2003/2004 for a Caesarean section for females in this age group were similar in Metropolitan Adelaide and country South Australia (Table 7.53).

Table 7.53: Admissions¹ of females aged 15 to 44 years for a Caesarean section, 2003/2004

Section of State	No. ¹	Rate ²
Metropolitan Adelaide (incl. Gawler)	3,834	30,245
Country	1,333	28,589
South Australia	5,167	29,800

¹Includes admissions to public acute hospitals, private hospitals and day surgery facilities, including admissions of same day patients

²Age-standardised rate per 100,000 births

Metropolitan regions

The metropolitan regions (excluding Gawler) had a slightly above average standardised admission ratio (SAR) for a Caesarean section, with an SAR of 101 (3,781 admissions).

There were notably more admissions than expected for Caesarean sections in SLAs throughout the Southern region, with low ratios in Central Northern.

The correlation analysis shows a weak association at the SLA level between high rates of admission for a Caesarean section and socioeconomic advantage (Table 8.1).

Central Northern Adelaide

There were fewer admissions for a Caesarean section than expected in Central Northern (an SAR of 97, 2,600 admissions). SLAs with elevated ratios (none of which were statistically significant) included Tea Tree Gully - Central (an SAR of 112, 98 admissions), Salisbury - North-East (111, 77) and Adelaide Hills - Ranges (108, 42).

Relatively large numbers of women admitted for a Caesarean section were recorded for the SLAs of Salisbury - South-East (126 admissions, an SAR of 97), Port Adelaide Enfield - East (122, 100), Tea Tree Gully - South (116, 96), Salisbury - Inner North (105, 105), Salisbury - Central (103, 99) and Tea Tree Gully - North (101, 98).

SLAs with fewer admissions than expected included Port Adelaide Enfield - Port (65**, 58), Walkerville (80, 13), Norwood Payneham St Peters - East (80, 44), Playford - Hills (80, 12), Charles Sturt - North-East (an SAR of 87, 99), Salisbury Balance (88, 42), Playford - West Central (88, 53) and - West (89, 26), and Port Adelaide Enfield - Inner (an SAR of 89, 73).

Southern Adelaide

Southern had 13% more admissions for a Caesarean section than expected (an SAR of 113**, 1,181 admissions). A number of SLAs had elevated ratios, including Onkaparinga - Reservoir (an SAR of 124*, 118), - Woodcroft (119*, 141), - Morphett (118, 105), - Hackham (118, 52) and - Hills (122, 39); Holdfast Bay - North (121, 60); Mitcham - Hills (120, 75) and - West (an SAR of 111, 91); and Marion - Central (an SAR of 116, 115) and - South (110, 85).

Marion - North had a relatively large number, with 92 admissions in 2003/2004 (an SAR of 105).

Onkaparinga - North Coast had 15% fewer admissions for a Caesarean section than expected from the State rates, with an SAR of 85 (46 admissions).

* indicates statistical significance: see page 24

Table 8.1: Correlation matrix for SLAs in the metropolitan regions

	V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	V13	V14	V15	V16	V17	V18	V19	V20	V21	V22	V23	V24	V25	V26	V27	V28	V29	V30	V31	V32	V33	V34	V35	V36	V37	V38	V39	V40		
V1	1.00	0.82	0.03	-0.68	0.87	0.62	0.42	-0.54	0.50	0.44	0.78	-0.73	-0.62	-0.53	-0.75	-0.63	-0.70	0.52	-0.11	-0.49	0.02	0.34	-0.03	-0.28	-0.46	-0.61	0.68	0.30	0.72	0.39	0.58	0.67	0.55	0.20	0.45	0.66	0.03	-0.13	0.35	0.04	0.45	V1
V2	0.82	1.00	-0.04	-0.79	0.81	0.29	0.08	-0.24	0.17	0.13	0.53	-0.49	-0.34	-0.24	-0.61	-0.42	-0.46	0.17	-0.30	-0.73	-0.23	0.03	-0.39	-0.66	-0.09	-0.27	0.42	-0.04	0.50	0.05	0.32	0.40	0.34	-0.10	0.12	0.45	0.11	-0.21	0.10	0.17	V2	
V3	0.03	-0.04	1.00	-0.45	-0.14	0.06	-0.21	0.20	0.03	0.11	-0.01	0.12	-0.11	-0.32	0.02	0.16	-0.09	0.06	-0.16	0.41	-0.10	-0.06	0.28	0.03	0.18	0.03	-0.08	-0.13	-0.05	0.01	-0.08	0.07	0.04	0.06	0.05	-0.03	-0.40	0.04	-0.31	-0.55	V3	
V4	-0.68	-0.79	-0.45	1.00	-0.53	-0.11	0.17	0.00	-0.01	0.00	-0.34	0.33	0.18	0.25	0.45	0.19	0.38	-0.07	0.32	0.40	0.23	0.16	0.26	0.66	-0.10	0.09	-0.39	0.21	-0.27	0.09	-0.15	-0.26	-0.17	0.10	-0.09	-0.32	0.00	0.16	0.05	0.12	V4	
V5	0.87	0.81	-0.14	-0.53	1.00	0.62	0.49	-0.59	0.56	0.53	0.77	-0.68	-0.67	-0.52	-0.75	-0.64	-0.70	0.59	-0.16	-0.55	-0.03	0.43	-0.10	-0.23	-0.44	-0.62	0.57	0.38	0.79	0.48	0.65	0.63	0.53	0.25	0.45	0.69	-0.11	-0.10	0.34	0.07	V5	
V6	0.62	0.29	0.06	-0.11	0.62	1.00	0.86	-0.85	0.94	0.86	0.86	-0.71	-0.91	-0.78	-0.71	-0.69	-0.74	0.89	0.08	-0.10	0.22	0.84	0.40	0.42	-0.79	-0.92	0.55	0.79	0.86	0.84	0.82	0.69	0.78	0.62	0.75	0.73	-0.37	-0.06	0.44	-0.17	V6	
V7	0.42	0.08	-0.21	0.17	0.49	0.86	1.00	-0.96	0.95	0.84	0.82	-0.73	-0.88	-0.74	-0.67	-0.75	-0.73	0.84	0.35	0.03	0.46	0.86	0.48	0.56	-0.95	-0.94	0.52	0.92	0.82	0.89	0.86	0.64	0.71	0.77	0.75	-0.26	0.09	0.67	-0.13	V7		
V8	-0.54	-0.24	0.20	0.00	-0.59	-0.85	-0.96	1.00	-0.92	-0.79	-0.90	0.86	0.89	0.77	0.79	0.82	0.80	-0.81	-0.27	0.12	-0.39	-0.78	-0.40	-0.37	0.95	0.95	-0.63	-0.86	-0.84	-0.93	-0.67	-0.69	-0.64	-0.76	-0.83	0.20	-0.05	-0.68	0.08	V8		
V9	0.50	0.17	0.03	-0.01	0.56	0.94	0.95	-0.92	1.00	0.92	0.87	-0.72	-0.96	-0.85	-0.71	-0.73	-0.79	0.91	0.24	0.05	0.39	0.89	0.50	0.53	-0.89	-0.97	0.50	0.89	0.87	0.93	0.90	0.72	0.72	0.76	0.83	0.79	-0.41	0.02	0.57	-0.28	V9	
V10	0.44	0.13	0.11	0.00	0.53	0.86	0.84	-0.79	0.92	1.00	0.78	-0.58	-0.91	-0.86	-0.66	-0.66	-0.78	0.87	0.13	0.11	0.30	0.85	0.64	0.59	-0.78	-0.88	0.44	0.89	0.85	0.96	0.84	0.72	0.66	0.81	0.83	0.77	-0.56	0.09	0.51	-0.40	V10	
V11	0.78	0.53	-0.01	-0.34	0.77	0.86	0.82	-0.90	0.87	0.78	1.00	-0.89	-0.94	-0.83	-0.89	-0.81	-0.89	0.82	0.13	-0.25	0.29	0.70	0.30	0.15	-0.85	-0.94	0.68	0.73	0.93	0.78	0.90	0.76	0.75	0.61	0.76	0.90	-0.20	0.03	0.56	-0.15	V11	
V12	-0.73	-0.49	0.12	0.33	-0.68	-0.71	-0.73	0.86	-0.72	-0.58	-0.89	1.00	0.76	0.69	0.90	0.83	0.82	-0.66	-0.09	0.33	-0.20	-0.56	-0.15	-0.01	0.79	0.81	-0.76	-0.65	-0.83	-0.64	-0.65	-0.46	-0.67	-0.86	-0.05	-0.06	-0.61	-0.03	V12			
V13	-0.62	-0.34	-0.11	0.18	-0.67	-0.91	-0.88	0.89	-0.96	-0.91	-0.94	0.76	1.00	0.91	0.80	0.76	0.85	-0.89	-0.16	0.05	-0.32	-0.82	-0.46	-0.37	0.86	0.96	-0.52	-0.83	-0.91	-0.89	-0.90	-0.76	-0.73	-0.71	-0.80	-0.86	0.42	-0.06	-0.54	0.32	V13	
V14	-0.53	-0.24	-0.32	0.25	-0.52	-0.78	-0.74	0.77	-0.85	-0.86	-0.83	0.69	0.91	1.00	0.76	0.71	0.81	-0.83	-0.03	-0.06	-0.19	-0.72	-0.55	-0.38	0.76	0.84	-0.49	-0.76	-0.82	-0.83	-0.81	-0.63	-0.63	-0.67	-0.77	-0.83	0.48	-0.25	-0.46	0.51	V14	
V15	-0.75	-0.61	0.02	0.45	-0.75	-0.71	-0.67	0.79	-0.71	-0.66	-0.89	0.90	0.80	0.76	1.00	0.83	0.86	-0.66	0.16	0.41	0.00	-0.54	-0.18	0.06	0.70	0.77	-0.67	-0.63	-0.90	-0.68	-0.85	-0.67	-0.66	-0.48	-0.67	-0.90	0.17	-0.08	-0.54	0.02	V15	
V16	-0.63	-0.42	0.16	0.19	-0.64	-0.69	-0.75	0.82	-0.73	-0.66	-0.81	0.83	0.76	0.71	0.83	1.00	0.80	-0.69	-0.04	0.27	-0.16	-0.67	-0.26	-0.15	0.76	0.79	-0.64	-0.73	-0.83	-0.64	-0.69	-0.49	-0.69	-0.83	0.15	-0.13	-0.62	0.11	V16			
V17	-0.70	-0.46	-0.09	0.38	-0.70	-0.74	-0.73	0.80	-0.79	-0.78	-0.89	0.82	0.85	0.81	0.86	0.80	1.00	-0.75	-0.11	0.08	-0.29	-0.61	-0.44	-0.15	0.77	0.84	-0.64	-0.73	-0.88	-0.67	-0.78	-0.88	0.27	-0.11	-0.56	0.28	V17					
V18	0.52	0.17	0.06	-0.07	0.59	0.89	0.84	-0.81	0.91	0.87	0.82	-0.66	-0.69	-0.75	1.00	0.14	0.04	0.28	0.87	0.47	0.52	-0.79	-0.89	0.57	0.85	0.84	0.88	0.84	0.63	0.69	0.78	0.78	-0.44	0.16	0.49	-0.35	V18					
V19	-0.11	-0.30	-0.16	0.32	-0.16	0.08	0.35	-0.27	0.24	0.13	0.13	-0.09	-0.16	-0.03	0.16	-0.04	-0.11	0.14	1.00	0.53	0.94	0.24	0.27	0.42</																		

Table 8.1: Correlation matrix for SLAs in the metropolitan regions ...cont

	V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	V13	V14	V15	V16	V17	V18	V19	V20	V21	V22	V23	V24	V25	V26	V27	V28	V29	V30	V31	V32	V33	V34	V35	V36	V37	V38	V39	V40	
V41	-0.05	-0.17	0.15	0.01	-0.08	0.14	0.00	0.01	0.04	0.04	-0.04	0.01	0.02	-0.05	0.03	0.01	0.06	0.20	-0.27	0.08	-0.28	0.14	0.05	0.17	0.05	0.00	0.33	0.08	-0.04	0.08	-0.06	-0.22	0.11	-0.02	0.01	-0.03	-0.32	0.04	-0.07	-0.11	V41
V42	0.54	0.24	0.33	-0.38	0.40	0.65	0.46	-0.52	0.59	0.59	0.64	-0.62	-0.62	-0.66	-0.61	-0.54	-0.67	0.67	-0.09	0.02	0.05	0.52	0.43	0.21	-0.52	-0.61	0.68	0.56	0.62	0.61	0.57	0.47	0.64	0.53	0.65	0.67	-0.33	0.08	0.29	-0.36	V42
V43	-0.37	-0.35	-0.02	0.32	-0.35	-0.19	-0.30	0.36	-0.30	-0.33	-0.42	0.36	0.39	0.37	0.39	0.33	0.47	-0.17	-0.34	0.04	-0.42	-0.10	-0.25	0.08	0.37	0.38	-0.21	-0.22	-0.37	-0.28	-0.41	-0.47	-0.12	-0.37	-0.43	-0.42	-0.05	-0.04	-0.33	0.16	V43
V44	-0.02	0.08	0.12	-0.26	-0.02	-0.23	-0.32	0.26	-0.30	-0.30	-0.20	0.12	0.25	0.16	0.11	0.17	0.19	-0.15	-0.29	-0.11	-0.35	-0.31	-0.24	-0.34	0.34	0.29	0.16	-0.31	-0.22	-0.30	-0.27	-0.30	-0.09	-0.29	-0.26	-0.14	-0.07	0.18	-0.23	0.03	V44
V45	0.26	-0.08	0.07	0.18	0.31	0.73	0.77	-0.68	0.80	0.79	0.63	-0.43	-0.75	-0.68	-0.40	-0.52	-0.61	0.73	0.34	0.31	0.50	0.75	0.66	0.69	-0.75	-0.79	0.25	0.75	0.60	0.78	0.64	0.61	0.54	0.77	0.72	0.58	-0.34	0.17	0.48	-0.41	V45
V46	0.25	-0.07	-0.11	0.21	0.33	0.69	0.74	-0.66	0.73	0.72	0.57	-0.45	-0.68	-0.60	-0.47	-0.50	-0.53	0.72	0.11	0.04	0.22	0.69	0.53	0.57	-0.70	-0.69	0.31	0.75	0.64	0.71	0.66	0.50	0.44	0.61	0.62	0.59	-0.33	0.11	0.43	-0.19	V46
V47	0.27	-0.13	0.12	0.16	0.26	0.80	0.80	-0.72	0.84	0.81	0.65	-0.47	-0.78	-0.73	-0.43	-0.50	-0.60	0.81	0.31	0.30	0.46	0.78	0.66	0.71	-0.78	-0.81	0.34	0.79	0.61	0.80	0.67	0.57	0.56	0.75	0.76	0.57	-0.45	0.13	0.45	-0.42	V47
V48	0.33	0.18	-0.14	-0.09	0.39	0.54	0.60	-0.61	0.61	0.57	0.59	-0.56	-0.60	-0.53	-0.54	-0.56	-0.60	0.58	0.31	0.02	0.47	0.58	0.30	0.27	-0.61	-0.66	0.44	0.66	0.58	0.65	0.69	0.45	0.43	0.62	0.59	0.60	-0.09	0.09	0.54	-0.27	V48
V49	0.14	-0.21	0.07	0.31	0.19	0.76	0.75	-0.65	0.80	0.83	0.52	-0.38	-0.69	-0.67	-0.39	-0.51	-0.49	0.74	0.12	0.24	0.23	0.83	0.61	0.77	-0.66	-0.71	0.24	0.83	0.61	0.84	0.64	0.51	0.64	0.72	0.72	0.51	-0.53	0.09	0.31	-0.38	V49
V50	0.32	0.14	-0.30	0.05	0.44	0.64	0.75	-0.78	0.69	0.61	0.64	-0.73	-0.63	-0.54	-0.70	-0.71	-0.64	0.62	0.01	-0.18	0.12	0.63	0.25	0.27	-0.68	-0.68	0.54	0.77	0.70	0.70	0.77	0.47	0.64	0.56	0.65	0.73	-0.18	0.12	0.55	-0.04	V50
V51	0.35	0.03	0.32	-0.04	0.42	0.83	0.77	-0.71	0.89	0.92	0.70	-0.51	-0.88	-0.89	-0.57	-0.60	-0.70	0.88	0.08	0.23	0.22	0.86	0.59	0.61	-0.69	-0.82	0.37	0.83	0.75	0.88	0.75	0.61	0.63	0.72	0.75	0.69	-0.64	0.13	0.37	-0.54	V51
V52	0.54	0.17	0.00	-0.04	0.51	0.77	0.83	-0.78	0.84	0.81	0.78	-0.65	-0.84	-0.76	-0.61	-0.67	-0.68	0.84	0.35	0.02	0.43	0.80	0.48	0.49	-0.82	-0.86	0.57	0.81	0.80	0.81	0.80	0.73	0.51	0.66	0.76	0.74	-0.28	0.14	0.56	-0.25	V52
V53	0.35	0.08	-0.39	0.24	0.30	0.58	0.63	-0.61	0.53	0.46	0.53	-0.53	-0.47	-0.28	-0.43	-0.51	-0.37	0.48	0.21	-0.15	0.29	0.52	0.29	0.37	-0.63	-0.60	0.48	0.57	0.51	0.54	0.48	0.45	0.49	0.41	0.46	0.44	0.13	0.07	0.46	0.27	V53
V54	-0.16	-0.26	-0.21	0.38	-0.07	0.26	0.26	-0.18	0.22	0.32	0.03	-0.02	-0.11	-0.07	-0.04	-0.13	-0.05	0.26	-0.07	0.11	-0.04	0.36	0.34	0.46	-0.14	-0.17	0.20	0.41	0.15	0.36	0.14	-0.02	0.23	0.33	0.31	0.07	-0.25	0.05	0.10	-0.06	V54
V55	0.01	0.08	-0.09	-0.03	-0.05	-0.10	-0.20	0.14	-0.26	-0.32	-0.19	0.03	0.27	0.24	0.13	0.13	0.24	-0.23	-0.26	-0.14	-0.31	-0.24	-0.33	-0.26	0.25	0.23	0.08	-0.26	-0.25	-0.30	-0.29	-0.26	0.16	0.03	-0.21	0.23	V55				
V56	-0.11	-0.15	-0.06	0.16	-0.12	0.06	0.06	0.06	0.00	0.05	-0.06	0.15	0.03	0.08	0.10	0.17	0.10	0.07	-0.18	0.01	-0.11	0.05	0.10	0.16	0.00	0.03	-0.11	0.05	-0.07	0.04	-0.09	-0.08	-0.12	-0.03	0.02	0.01	V56				
V57	-0.68	-0.44	0.30	0.17	-0.65	-0.69	-0.76	0.81	-0.71	-0.66	-0.82	0.82	0.72	0.62	0.82	0.81	0.77	-0.67	-0.14	0.34	-0.26	-0.60	-0.30	-0.14	-0.78	-0.79	-0.70	-0.73	-0.85	-0.71	-0.83	-0.70	-0.61	-0.55	-0.71	-0.84	0.04	-0.05	0.64	-0.07	V57
V58	0.27	0.02	-0.03	0.13	0.33	0.55	0.58	-0.52	0.58	0.65	0.46	-0.37	-0.56	-0.51	-0.45	-0.49	-0.49	0.50	-0.10	0.00	0.00	0.51	0.47	0.37	-0.48	-0.52	0.22	0.59	0.55	0.61	0.51	0.48	0.54	0.46	0.47	0.49	-0.41	0.18	0.43	-0.07	V58
V59	-0.33	-0.46	-0.01	0.39	-0.32	0.10	0.11	-0.07	0.06	0.06	-0.13	0.01	0.05	0.05	0.08	0.09	0.1																								

Table 8.1: Correlation matrix for SLAs in the metropolitan regions ...cont

	V41	V42	V43	V44	V45	V46	V47	V48	V49	V50	V51	V52	V53	V54	V55	V56	V57	V58	V59	V60	V61	V62	V63	V64	V65	V66	V67	V68	V69	V70	V71	V72	V73	V74	V75	V76	V77	V78	V79	V80	
V1	-0.05	0.54	-0.37	-0.02	0.26	0.25	0.27	0.33	0.14	0.32	0.35	0.54	0.35	-0.16	0.01	-0.11	-0.68	0.27	-0.33	0.28	0.49	0.54	0.50	0.55	0.45	0.47	0.46	-0.63	0.02	-0.58	0.25	0.62	-0.43	0.11	0.31	0.18	-0.03	-0.13	0.38	0.64	V1
V2	-0.17	0.24	-0.35	0.08	-0.08	-0.07	-0.13	0.18	-0.21	0.14	0.03	0.17	0.08	-0.26	0.08	-0.15	-0.44	0.02	-0.46	0.44	0.16	0.26	0.31	0.30	0.29	0.14	0.13	-0.54	-0.28	-0.27	0.26	0.32	-0.11	0.11	0.32	0.23	0.22	0.01	0.45	0.33	V2
V3	0.15	0.33	-0.02	0.12	0.07	-0.11	0.12	-0.14	0.07	-0.30	0.32	0.00	-0.39	-0.21	-0.09	-0.06	0.30	-0.03	-0.01	-0.07	0.17	0.32	0.26	0.38	0.17	-0.07	-0.07	0.21	0.08	-0.20	0.02	0.10	-0.10	0.02	0.03	-0.11	-0.08	0.18	0.20	0.10	V3
V4	0.01	-0.38	0.32	-0.26	0.18	0.21	0.16	-0.09	0.31	0.05	-0.04	-0.04	0.24	0.38	-0.03	0.16	0.17	0.13	0.39	-0.32	-0.17	-0.34	-0.30	-0.32	-0.27	0.01	0.02	0.39	0.32	0.26	-0.18	-0.23	0.09	-0.04	-0.23	-0.16	-0.21	-0.11	-0.44	-0.29	V4
V5	-0.08	0.40	-0.35	-0.02	0.31	0.33	0.26	0.39	0.19	0.44	0.42	0.51	0.30	-0.07	-0.05	-0.12	-0.65	0.33	-0.32	0.23	0.41	0.44	0.50	0.53	0.46	0.48	0.48	-0.66	0.01	-0.54	0.34	0.58	-0.32	0.21	0.40	0.16	0.04	-0.23	0.39	0.57	V5
V6	0.14	0.65	-0.19	-0.23	0.73	0.69	0.80	0.54	0.76	0.64	0.83	0.77	0.58	0.26	-0.10	0.06	-0.69	0.55	0.10	0.07	0.68	0.63	0.74	0.75	0.74	-0.51	0.43	-0.75	0.17	0.83	-0.73	0.14	0.18	-0.16	-0.49	-0.22	0.18	0.76	V6		
V7	0.00	0.46	-0.30	-0.32	0.77	0.74	0.80	0.60	0.75	0.75	0.77	0.83	0.63	0.26	-0.20	0.00	-0.76	0.58	0.11	0.06	0.72	0.60	0.67	0.66	0.64	0.80	0.80	-0.58	0.44	-0.76	0.23	0.80	-0.64	0.23	0.22	-0.05	-0.45	-0.36	0.17	0.71	V7
V8	0.01	-0.52	0.36	0.26	-0.68	-0.66	-0.72	-0.61	-0.65	-0.78	-0.71	-0.78	-0.61	-0.18	0.14	0.06	0.81	-0.52	-0.07	-0.14	-0.74	-0.65	-0.72	-0.70	-0.70	-0.79	-0.78	0.71	-0.32	0.78	-0.26	-0.84	0.66	-0.24	-0.26	0.01	0.41	0.26	-0.28	-0.80	V8
V9	0.04	0.59	-0.30	-0.30	0.80	0.73	0.84	0.61	0.80	0.69	0.89	0.84	0.53	0.22	-0.26	0.00	-0.71	0.58	0.06	0.03	0.75	0.69	0.77	0.79	0.70	0.80	0.79	-0.56	0.45	-0.83	0.29	0.87	-0.67	0.28	0.30	-0.05	-0.44	-0.34	0.25	0.75	V9
V10	0.04	0.59	-0.33	-0.30	0.79	0.72	0.81	0.57	0.83	0.61	0.92	0.81	0.46	0.32	-0.32	0.05	-0.66	0.65	0.06	-0.04	0.78	0.72	0.79	0.86	0.70	0.80	0.79	-0.43	0.55	-0.86	0.29	0.78	-0.56	0.27	0.30	-0.09	-0.33	-0.42	0.22	0.68	V10
V11	-0.04	0.64	-0.42	-0.20	0.63	0.57	0.65	0.59	0.52	0.64	0.70	0.78	0.53	0.03	-0.19	-0.06	-0.82	0.46	-0.13	0.16	0.77	0.76	0.76	0.79	0.70	0.77	0.77	-0.74	0.28	-0.84	0.34	0.88	-0.62	0.27	0.37	0.08	-0.28	-0.28	0.43	0.82	V11
V12	0.01	-0.62	0.36	0.12	-0.43	-0.45	-0.47	-0.56	-0.38	-0.73	-0.51	-0.65	-0.53	-0.02	0.03	0.15	0.82	-0.37	0.01	-0.30	-0.68	-0.65	-0.70	-0.65	-0.69	-0.68	-0.67	0.85	-0.09	0.72	-0.25	-0.78	0.59	-0.18	-0.28	-0.12	0.26	0.13	-0.41	-0.86	V12
V13	0.02	-0.62	0.39	0.25	-0.75	-0.68	-0.78	-0.60	-0.69	-0.63	-0.88	-0.84	-0.47	-0.11	0.27	0.03	0.72	-0.56	0.05	-0.08	0.79	-0.77	-0.82	-0.86	-0.74	-0.77	-0.76	0.61	-0.38	0.87	-0.34	-0.89	0.64	-0.30	-0.35	-0.02	0.35	0.35	-0.38	-0.77	V13
V14	-0.05	-0.66	0.37	0.16	-0.68	-0.60	-0.73	-0.53	-0.67	-0.54	-0.89	-0.76	-0.28	-0.07	0.24	0.08	0.62	-0.51	0.05	-0.05	0.82	-0.85	-0.84	-0.92	-0.75	-0.69	-0.69	0.53	-0.36	0.87	-0.30	-0.83	0.61	-0.29	-0.31	0.05	0.35	0.26	-0.37	-0.76	V14
V15	0.03	-0.61	0.39	0.11	-0.40	-0.47	-0.43	-0.54	-0.39	-0.70	-0.57	-0.61	-0.43	-0.04	0.13	0.10	0.82	-0.45	0.08	-0.32	0.66	-0.67	-0.80	-0.77	-0.77	-0.65	-0.64	0.79	-0.10	0.76	-0.33	-0.76	0.51	-0.24	-0.36	-0.08	0.16	0.11	-0.53	-0.84	V15
V16	0.01	-0.54	0.33	0.17	-0.52	-0.50	-0.50	-0.56	-0.51	-0.71	-0.60	-0.67	-0.51	-0.13	0.13	0.17	0.81	-0.49	0.09	-0.32	0.70	-0.67	-0.67	-0.69	-0.62	-0.74	-0.73	0.71	-0.27	0.75	-0.35	-0.72	0.44	-0.30	-0.36	-0.13	0.13	0.22	-0.41	-0.79	V16
V17	0.06	-0.67	0.47	0.19	-0.61	-0.53	-0.60	-0.60	-0.49	-0.64	-0.70	-0.68	-0.37	-0.05	0.24	0.10	0.77	-0.49	0.10	-0.15	0.81	-0.82	-0.79	-0.83	-0.73	-0.77	-0.76	0.71	-0.30	0.91	-0.39	-0.81	0.50	-0.31	-0.43	-0.11	0.16	0.30	-0.48	-0.80	V17
V18	0.20	0.67	-0.17	-0.15	0.73	0.72	0.81	0.58	0.74	0.62	0.88	0.84	0.48	0.26	-0.23	0.07	-0.67	0.50	0.04	0.02	0.76	0.72	0.68	0.75	0.61	0.78	0.79	-0.48	0.51	-0.76	0.16	0.75	-0.66	0.15	0.16	-0.15	-0.43	-0.33	0.13	0.72	V18
V19	-0.27	-0.09	-0.34	-0.29	0.34	0.11	0.31	0.31	0.12	0.01	0.0																														

Table 8.1: Correlation matrix for SLAs in the metropolitan regions ...cont

	V41	V42	V43	V44	V45	V46	V47	V48	V49	V50	V51	V52	V53	V54	V55	V56	V57	V58	V59	V60	V61	V62	V63	V64	V65	V66	V67	V68	V69	V70	V71	V72	V73	V74	V75	V76	V77	V78	V79	V80	
V41	1.00	0.44	0.61	0.61	-0.03	-0.02	0.12	-0.04	0.15	0.16	0.19	-0.06	0.03	0.39	0.40	0.24	0.14	0.08	0.43	-0.13	0.06	0.14	0.05	0.06	0.04	0.06	0.06	0.17	0.20	0.09	-0.29	-0.07	-0.19	-0.18	-0.35	-0.33	-0.26	0.28	-0.31	0.04	0.04
V42	0.44	1.00	-0.01	0.14	0.44	0.33	0.50	0.42	0.47	0.48	0.63	0.52	0.38	-0.06	0.01	-0.51	0.39	0.25	0.07	0.65	0.73	0.67	0.70	0.61	0.61	0.60	-0.41	0.35	-0.69	0.13	0.57	-0.48	0.10	0.15	-0.04	-0.22	-0.06	0.27	0.71	0.71	
V43	0.61	-0.01	1.00	0.24	-0.33	-0.19	-0.25	-0.31	-0.05	-0.16	-0.11	-0.19	0.36	0.48	0.46	-0.09	0.52	-0.06	-0.44	-0.41	-0.29	-0.33	-0.25	-0.34	-0.34	0.44	-0.04	0.51	-0.42	-0.46	0.10	-0.31	-0.47	-0.29	-0.14	0.37	-0.38	-0.25	V43		
V44	0.61	0.14	0.24	1.00	-0.31	-0.37	-0.28	-0.16	-0.32	-0.04	-0.21	-0.27	-0.21	-0.04	0.30	-0.11	0.23	-0.15	0.14	-0.10	-0.18	-0.02	-0.18	-0.18	-0.17	-0.24	-0.24	0.08	-0.20	0.26	-0.17	-0.26	0.12	-0.16	-0.18	-0.06	0.04	0.26	-0.04	-0.18	V44
V45	-0.03	0.44	-0.33	-0.31	1.00	0.65	0.91	0.49	0.75	0.49	0.77	0.70	0.50	0.21	-0.38	0.03	-0.48	0.46	0.06	-0.20	0.61	0.60	0.52	0.60	0.44	0.74	0.74	-0.35	0.56	-0.73	0.51	0.76	-0.52	0.48	0.53	0.12	-0.31	-0.46	0.28	0.52	V45
V46	-0.02	0.33	-0.19	-0.37	0.65	1.00	0.81	0.35	0.74	0.51	0.68	0.69	0.46	0.25	-0.27	0.21	-0.54	0.51	0.12	-0.14	0.53	0.44	0.51	0.56	0.46	0.57	0.58	-0.28	0.43	-0.59	0.13	0.56	-0.63	0.11	0.15	-0.12	-0.44	-0.41	0.15	0.49	V46
V47	0.12	0.50	-0.25	-0.28	0.91	0.81	1.00	0.45	0.82	0.50	0.82	0.75	0.47	0.26	-0.23	0.12	-0.48	0.45	0.09	-0.20	0.68	0.62	0.59	0.65	0.52	0.70	0.71	-0.28	0.57	-0.72	0.15	0.77	-0.69	0.19	0.14	-0.15	-0.49	-0.38	0.02	0.58	V47
V48	-0.04	0.42	-0.31	-0.16	0.49	0.35	0.45	1.00	0.39	0.65	0.48	0.49	0.42	0.25	-0.21	0.00	-0.61	0.33	-0.01	0.12	0.63	0.53	0.57	0.46	0.61	0.67	0.67	-0.61	0.27	-0.65	0.19	0.60	-0.46	0.19	0.18	-0.03	-0.29	-0.38	0.23	0.58	V48
V49	0.15	0.47	-0.05	-0.32	0.75	0.74	0.82	0.39	1.00	0.59	0.84	0.65	0.45	0.44	-0.19	0.13	-0.44	0.59	0.25	-0.08	0.57	0.49	0.64	0.67	0.58	0.68	-0.18	0.62	-0.62	0.14	0.63	-0.54	0.18	0.12	-0.24	-0.51	-0.27	-0.02	0.52	V49	
V50	0.16	0.48	-0.16	-0.04	0.49	0.51	0.50	0.65	0.59	1.00	0.56	0.46	0.50	0.43	-0.03	-0.04	-0.67	0.50	0.28	0.13	0.50	0.46	0.67	0.53	0.71	0.69	0.68	-0.71	0.21	-0.59	0.28	0.66	-0.44	0.27	0.27	-0.03	-0.29	-0.16	0.25	0.70	V50
V51	0.19	0.63	-0.16	-0.21	0.77	0.68	0.82	0.48	0.84	0.56	1.00	0.75	0.29	0.28	-0.23	0.06	-0.48	0.55	0.10	0.02	0.71	0.71	0.79	0.86	0.71	0.70	0.69	-0.34	0.52	-0.79	0.24	0.75	-0.58	0.25	0.23	-0.15	-0.41	-0.30	0.19	0.65	V51
V52	-0.06	0.52	-0.36	-0.27	0.70	0.69	0.75	0.49	0.65	0.46	0.75	1.00	0.56	0.06	-0.35	-0.04	-0.76	0.45	-0.12	0.08	0.75	0.67	0.62	0.71	0.53	0.71	0.72	-0.42	0.48	-0.74	0.14	0.69	-0.61	0.10	0.17	-0.02	-0.35	-0.44	0.20	0.67	V52
V53	0.03	0.38	-0.11	-0.21	0.50	0.46	0.47	0.42	0.45	0.50	0.29	0.56	1.00	0.39	-0.09	0.01	-0.70	0.44	0.13	0.03	0.36	0.27	0.32	0.28	0.33	0.67	0.67	-0.33	0.49	-0.43	0.11	0.46	-0.39	0.09	0.12	-0.04	-0.28	-0.15	0.10	0.50	V53
V54	0.39	0.26	0.19	-0.04	0.21	0.25	0.26	0.25	0.44	0.43	0.28	0.06	0.39	1.00	0.07	0.17	-0.17	0.32	0.29	-0.12	0.14	0.08	0.21	0.14	0.25	0.41	0.39	0.13	0.54	-0.12	0.01	0.06	-0.05	0.09	-0.04	-0.23	-0.17	-0.08	-0.29	0.14	V54
V55	0.40	-0.06	0.36	0.30	-0.38	-0.27	-0.23	-0.21	-0.19	-0.03	-0.23	-0.35	-0.09	0.07	1.00	0.14	0.29	-0.17	0.17	0.23	-0.20	-0.20	-0.16	-0.25	-0.09	-0.22	-0.23	0.05	-0.21	0.36	-0.47	-0.22	-0.19	-0.40	-0.50	-0.38	-0.29	0.55	-0.38	-0.17	V55
V56	0.24	0.01	0.48	-0.11	0.03	0.21	0.12	0.00	0.13	-0.04	0.06	-0.04	0.01	0.17	1.00	0.18	0.05	0.32	-0.13	-0.14	-0.18	0.01	-0.02	0.03	-0.09	-0.10	0.13	0.00	0.08	-0.19	-0.06	-0.11	-0.10	-0.23	-0.24	-0.19	0.08	-0.14	-0.09	V56	
V57	0.14	-0.51	0.46	0.23	-0.48	-0.54	-0.48	-0.61	-0.44	-0.67	-0.76	-0.70	-0.17	0.29	0.18	1.00	-0.49	0.13	-0.24	-0.68	-0.59	-0.61	-0.61	-0.58	-0.75	-0.74	0.69	-0.29	0.74	-0.27	-0.67	0.46	-0.19	-0.31	-0.10	0.16	0.34	-0.35	-0.73	V57	
V58	0.08	0.39	-0.09	-0.15	0.46	0.51	0.45	0.33	0.59	0.50	0.55	0.45	0.44	0.32	-0.17	0.05	-0.49	1.00	0.22	-0.06	0.40	0.37	0.51	0.54	0.47	0.50	0.49	-0.28	0.32	-0.58	0.23	0.48	-0.30	0.21	0.24	-0.06	-0.18	-0.30	0.25	0.46	V58
V59	0.43	0.25	0.52	0.14	0.06	0.12	0.09	-0.01	0.25	0.28	0.10	-0.12	0.13																												

Table 8.2: Correlation matrix for SLAs in country South Australia

	V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	V13	V14	V15	V16	V17	V18	V19	V20	V21	V22	V23	V24	V25	V26	V27	V28	V29	V30	V31	V32	V33	V34	
V1	1.00	0.57	0.41	-0.72	0.14	0.22	-0.38	0.41	-0.15	0.36	0.32	-0.27	0.06	-0.21	-0.12	-0.14	0.06	0.33	-0.04	0.19	0.04	0.17	-0.33	0.12	0.09	-0.14	-0.07	-0.32	0.15	0.44	-0.09	0.08	0.27	0.03	V1
V2	0.57	1.00	0.12	-0.57	0.19	-0.19	-0.57	0.55	-0.52	-0.04	-0.11	0.05	0.46	0.31	0.13	0.20	0.28	-0.08	-0.25	0.04	-0.10	-0.06	-0.53	-0.39	0.46	0.38	-0.39	-0.62	-0.25	0.01	-0.33	0.06	0.07	-0.35	V2
V3	0.41	0.12	1.00	-0.55	-0.38	0.54	-0.31	0.36	0.05	0.45	0.52	-0.52	-0.08	0.08	-0.31	0.46	0.18	0.14	0.17	0.30	0.01	0.42	-0.04	-0.38	0.18	-0.18	0.35	0.41	0.09	0.24	0.31	-0.03	V3		
V4	-0.72	-0.57	-0.55	1.00	0.22	-0.20	0.50	-0.47	0.10	-0.25	-0.41	0.22	0.02	0.38	-0.03	0.17	0.03	-0.46	-0.10	-0.14	-0.09	0.00	0.38	-0.08	-0.15	0.24	-0.05	0.33	-0.08	-0.27	0.08	-0.12	-0.18	-0.10	V4
V5	0.14	0.19	-0.38	0.22	1.00	-0.33	-0.10	0.15	-0.17	-0.23	-0.23	0.12	0.27	0.47	-0.04	0.07	-0.56	-0.11	0.17	0.00	0.13	-0.21	-0.37	0.19	0.41	-0.57	-0.03	-0.29	-0.26	-0.43	-0.20	-0.03	-0.08	V5	
V6	0.22	-0.19	0.54	-0.20	-0.33	1.00	0.29	-0.17	0.66	0.56	0.36	-0.57	-0.62	-0.39	-0.37	-0.53	-0.44	0.50	0.38	0.15	0.25	0.56	0.35	0.78	-0.41	-0.70	0.41	0.40	0.72	0.51	0.55	0.24	0.34	0.33	V6
V7	-0.38	-0.57	-0.31	0.50	-0.10	0.29	1.00	-0.89	0.69	0.41	-0.11	0.22	-0.58	-0.22	-0.35	-0.01	-0.12	0.23	0.12	-0.15	0.05	0.02	0.34	0.47	-0.73	-0.51	0.43	0.70	0.21	0.28	0.50	-0.03	-0.08	0.29	V7
V8	0.41	0.55	0.36	-0.47	0.15	-0.17	-0.89	1.00	-0.55	-0.32	0.18	-0.37	0.47	0.30	0.26	-0.13	-0.09	-0.25	-0.02	0.19	-0.01	0.04	-0.32	-0.41	0.73	0.44	-0.45	-0.55	-0.13	-0.25	-0.55	0.11	0.12	-0.19	V8
V9	-0.15	-0.52	0.05	0.10	-0.17	0.66	0.69	-0.55	1.00	0.43	0.27	-0.24	-0.87	-0.52	-0.34	-0.40	-0.40	0.33	0.35	0.02	0.19	0.31	0.34	0.68	-0.58	-0.78	0.46	0.87	0.57	0.28	0.55	0.05	0.09	0.65	V9
V10	0.36	-0.04	0.45	-0.25	-0.23	0.56	0.41	-0.32	0.43	1.00	0.27	-0.29	-0.39	-0.52	-0.31	-0.23	-0.15	0.66	0.14	-0.05	0.09	0.20	0.00	0.63	-0.60	-0.59	0.24	0.28	0.38	0.89	0.52	0.27	0.36	0.17	V10
V11	0.32	-0.11	0.52	-0.41	-0.23	0.36	-0.11	0.18	0.27	0.27	1.00	-0.49	-0.25	-0.45	-0.09	-0.45	-0.34	0.43	0.24	0.39	0.33	0.18	0.07	0.40	-0.31	-0.61	0.28	0.15	0.39	0.32	0.19	0.16	0.14	0.35	V11
V12	-0.27	0.05	-0.52	0.22	0.12	-0.57	0.22	-0.37	-0.24	-0.29	-0.49	1.00	0.22	0.15	0.21	0.61	0.55	-0.07	-0.44	-0.31	-0.29	-0.51	-0.29	-0.28	-0.03	0.22	0.06	-0.20	-0.60	-0.33	-0.27	-0.32	-0.39	-0.35	V12
V13	0.06	0.46	-0.08	0.02	0.27	-0.62	-0.58	0.47	-0.87	-0.39	-0.25	0.22	1.00	0.56	0.33	0.46	0.31	-0.44	-0.30	0.04	-0.13	-0.21	-0.32	-0.66	0.53	0.77	-0.46	-0.67	-0.49	-0.25	-0.54	-0.07	-0.03	-0.47	V13
V14	-0.21	0.31	-0.35	0.38	0.47	-0.39	-0.22	0.30	-0.52	-0.52	-0.45	0.15	0.56	1.00	0.04	0.23	0.07	-0.66	-0.14	0.11	-0.03	-0.05	0.01	-0.60	0.46	0.74	-0.42	-0.32	-0.29	-0.43	-0.37	0.02	-0.06	-0.51	V14
V15	-0.12	0.13	0.08	-0.03	-0.04	-0.37	-0.35	0.26	-0.34	-0.31	-0.09	0.21	0.33	0.04	1.00	0.35	0.27	-0.17	-0.42	-0.30	-0.41	-0.28	-0.39	-0.31	0.36	0.31	-0.20	-0.36	-0.37	-0.36	-0.31	-0.14	-0.24	V15	
V16	-0.14	0.20	-0.31	0.17	0.07	-0.53	-0.01	-0.13	-0.40	-0.23	-0.45	0.61	0.46	0.23	0.35	1.00	0.57	-0.17	-0.38	-0.27	-0.29	-0.37	-0.31	-0.34	0.11	0.39	-0.16	-0.34	-0.53	-0.23	-0.32	-0.20	-0.32	-0.39	V16
V17	0.06	0.28	-0.31	0.03	0.07	-0.44	-0.12	-0.09	-0.40	-0.15	-0.34	0.55	0.31	0.07	0.27	0.57	1.00	-0.07	-0.51	-0.30	-0.37	-0.39	-0.34	-0.25	0.14	0.29	-0.18	-0.41	-0.44	-0.14	-0.15	-0.12	-0.14	-0.42	V17
V18	0.33	-0.08	0.46	-0.46	-0.56	0.50	0.23	-0.25	0.33	0.66	0.43	-0.07	-0.44	-0.66	-0.17	-0.17	-0.07	1.00	0.04	-0.07	0.03	-0.03	0.01	0.71	-0.54	-0.74	0.67	0.04	0.32	0.67	0.40	0.33	0.24	0.14	V18
V19	-0.04	-0.25	0.18	-0.10	-0.11	0.38	0.12	-0.02	0.35	0.14	0.24	-0.44	-0.30	-0.14	-0.42	-0.38	-0.51	0.04	1.00	0.58	0.86	0.24	0.46	0.14	-0.09	-0.22	0.05	0.39	0.40	0.18	0.38	0.00	0.07	0.34	V19
V20	0.19	0.04	0.14	-0.14	0.17	0.15	-0.15	0.19	0.02	-0.05	0.39	-0.31	0.04	0.11	-0.30	-0.27	-0.30	-0.07	0.58	1.00	0.78	0.22	0.31	0.00	0.05	-0.07	-0.13	0.00	0.16	0.02	0.11	0.05	0.06	0.07	V20
V21	0.04	-0.10	0.17	-0.09	0.00	0.25	0.05	-0.01	0.19	0.09	0.33	-0.29	-0.13	-0.03	-0.41	-0.29	-0.37	0.03	0.86	0.78	1.00	0.23	0.42	0.09	-0.12	-0.19	0.00	0.20	0.29	0.17	0.32	0.00	0.07	0.15	V21
V22	0.17	-0.06	0.30	0.00	0.13	0.56	0.02	0.04	0.31	0.20	0.18	-0.51	-0.21	-0.05	-0.28	-0.37	-0.39	-0.03	0.24	0.22	0.23	1.00	0.13	0.48											

Table 8.2: Correlation matrix for SLAs in country South Australia

...cont

V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	V13	V14	V15	V16	V17	V18	V19	V20	V21	V22	V23	V24	V25	V26	V27	V28	V29	V30	V31	V32	V33	V34		
V35	0.11	-0.02	0.11	-0.18	-0.22	0.16	0.05	-0.21	0.16	0.22	0.30	0.03	-0.23	-0.35	-0.07	-0.10	0.10	0.29	0.14	0.11	0.27	0.09	0.10	0.24	-0.41	-0.35	0.11	0.12	0.22	0.28	0.42	0.06	0.12	0.01	V35
V36	-0.24	0.05	-0.31	0.31	0.22	-0.36	-0.11	0.01	-0.23	-0.41	-0.34	0.40	0.25	0.30	0.29	0.29	0.35	-0.35	-0.69	-0.36	-0.57	-0.12	-0.23	-0.18	0.17	0.30	-0.18	-0.19	-0.36	-0.49	-0.37	-0.18	-0.11	-0.26	V36
V37	-0.16	-0.08	-0.10	0.20	0.18	0.07	0.20	-0.12	0.19	-0.05	0.16	0.04	-0.04	0.08	0.13	0.05	0.00	0.02	-0.23	-0.17	-0.16	0.14	-0.08	0.14	-0.24	-0.17	0.20	0.19	0.12	-0.02	-0.09	0.22	0.15	0.15	V37
V38	-0.01	0.12	0.15	0.01	-0.07	-0.09	0.01	0.00	-0.19	0.05	0.00	0.07	0.20	0.01	0.14	0.17	0.06	0.16	-0.07	-0.04	0.05	0.09	-0.10	0.09	-0.05	0.02	0.10	-0.20	0.00	0.13	-0.06	0.18	0.14	-0.21	V38
V39	-0.33	-0.01	-0.20	0.32	0.19	-0.25	0.03	0.05	-0.10	-0.44	-0.25	0.24	0.14	0.39	0.31	0.21	0.06	-0.37	-0.30	-0.17	-0.28	-0.07	-0.11	-0.18	0.19	0.25	-0.12	-0.08	-0.37	-0.55	-0.37	0.03	-0.23	-0.19	V39
V40	-0.04	-0.38	-0.03	-0.04	-0.31	0.10	0.24	-0.30	0.36	-0.01	0.24	0.07	-0.37	-0.49	-0.12	-0.13	-0.05	0.33	-0.16	-0.16	-0.15	0.10	0.10	0.36	-0.28	-0.47	0.56	0.30	0.24	0.07	0.14	0.06	0.15	0.42	V40
V41	0.02	-0.31	0.06	-0.23	-0.29	0.15	0.14	-0.31	0.41	0.24	0.27	-0.01	-0.44	-0.75	-0.07	-0.14	0.08	0.28	0.09	-0.09	0.04	0.10	0.01	0.35	-0.35	-0.50	0.18	0.33	0.18	0.16	0.37	-0.16	0.09	0.42	V41
V42	-0.03	-0.11	-0.19	-0.04	-0.27	-0.01	0.21	-0.34	0.13	-0.07	0.00	0.34	-0.18	-0.27	-0.06	0.07	0.23	0.35	-0.16	-0.03	-0.11	-0.15	0.09	0.24	-0.14	-0.27	0.46	-0.06	-0.07	0.00	0.15	0.14	-0.01	0.08	V42
V43	-0.22	-0.20	-0.14	0.12	-0.08	-0.27	0.02	-0.12	-0.06	-0.28	-0.05	0.24	0.11	-0.03	-0.01	0.11	0.08	-0.12	-0.21	-0.12	-0.18	-0.09	0.00	-0.14	0.05	0.05	0.17	0.08	-0.09	-0.22	-0.21	0.01	-0.05	0.16	V43
V44	0.06	0.04	0.02	0.04	0.04	0.22	0.35	-0.35	0.32	0.53	0.10	0.00	-0.26	-0.47	-0.21	0.07	0.15	0.49	0.07	0.03	0.14	0.16	-0.06	0.47	-0.42	-0.48	-0.08	0.17	0.03	0.49	0.34	0.12	0.18	-0.05	V44
V45	0.23	0.07	0.26	-0.12	0.10	0.29	0.19	-0.19	0.15	0.60	0.19	0.04	-0.05	-0.49	0.00	-0.07	-0.04	0.59	-0.11	0.06	-0.01	0.03	-0.10	0.42	-0.49	-0.41	-0.33	0.00	-0.02	0.56	0.12	0.12	0.11	-0.12	V45
V46	0.10	-0.30	0.28	-0.24	-0.49	0.52	0.41	-0.40	0.54	0.52	0.48	0.00	-0.59	-0.63	-0.21	-0.23	-0.13	0.84	0.03	-0.02	0.05	0.07	0.16	0.79	-0.65	-0.86	0.70	0.30	0.37	0.49	0.45	0.19	0.20	0.25	V46
V47	-0.14	-0.30	-0.11	0.19	0.05	0.45	0.40	-0.32	0.53	0.21	-0.04	-0.18	-0.46	-0.12	-0.34	-0.35	-0.24	0.19	0.11	-0.03	0.30	0.35	0.47	-0.35	-0.38	0.28	0.49	0.43	0.22	0.39	0.23	0.29	0.30	V47	
V48	-0.07	-0.41	0.07	0.07	0.06	0.50	0.31	-0.15	0.71	0.04	0.42	-0.27	-0.52	-0.22	-0.23	-0.40	-0.40	0.09	0.34	0.31	0.31	0.43	0.28	0.46	-0.25	-0.57	0.31	0.65	0.53	0.01	0.28	0.11	0.15	0.54	V48
V49	0.30	-0.21	0.35	-0.26	-0.39	0.62	0.36	-0.35	0.51	0.72	0.39	-0.33	-0.47	-0.58	-0.41	-0.35	-0.26	0.73	0.40	0.14	0.34	0.30	0.32	0.70	-0.57	-0.69	0.58	0.42	0.69	0.84	0.71	0.32	0.49	0.36	V49
V50	-0.05	-0.27	-0.10	0.31	-0.05	-0.15	0.07	-0.15	-0.13	-0.16	0.08	0.14	0.17	0.12	0.08	0.04	0.06	0.03	-0.26	-0.07	-0.16	-0.07	0.34	0.01	-0.09	0.02	0.45	-0.01	0.21	0.09	0.09	-0.04	0.06	-0.14	V50
V51	0.11	0.05	0.03	-0.18	-0.22	-0.12	-0.16	-0.13	-0.14	0.11	0.00	0.11	0.03	-0.45	0.23	0.14	0.39	0.14	-0.09	-0.05	-0.03	-0.08	-0.16	0.03	-0.09	-0.03	-0.15	-0.21	-0.17	0.09	0.24	-0.18	-0.03	-0.10	V51
V52	0.00	0.01	-0.18	0.16	0.07	-0.26	-0.18	0.09	-0.30	-0.44	-0.09	0.24	0.39	0.23	0.17	0.17	0.05	-0.19	-0.17	-0.03	-0.08	-0.06	0.16	-0.20	0.20	0.23	0.19	-0.17	0.03	-0.20	-0.15	-0.21	-0.08	V52	
V53	0.07	-0.02	0.13	-0.04	-0.04	0.26	-0.18	0.16	0.02	-0.09	0.28	-0.31	-0.04	0.09	-0.08	-0.26	-0.18	0.04	0.15	0.11	0.14	0.14	0.02	0.09	0.10	-0.05	0.07	-0.02	0.27	0.00	0.07	-0.02	0.01	0.10	V53
V54	-0.09	-0.05	0.31	-0.06	-0.19	0.18	-0.24	0.28	-0.18	-0.03	0.24	-0.33	0.15	0.15	-0.06	-0.25	-0.31	0.11	0.24	0.15	0.14	-0.02	0.25	-0.01	0.13	0.07	-0.17	0.14	0.07	-0.03	0.19	0.04	-0.05	V54	
V55	-0.02	0.22	0.26	-0.27	-0.13	-0.07	-0.28	0.34	-0.18	0.02	0.13	-0.15	0.14	0.09	0.18	0.04	-0.01	0.03	-0.02	-0.01	-0.23	-0.40	0.21	0.02	0.17	-0.06	0.42	-0.14	-0.10	-0.01	0.26	-0.01	-0.12	V55	
V56	-0.30	-0.18	-0.10	0.46	0.08	0.20	0.15	-0.07	0.08	-0.16	-0.33	-0.24	-0.02	0.43	-0.20	-0.20	-0.40	-0.30	0.25	0.06															