

References

24. Government of South Australia. Metropolitan Local Health Networks and Hospitals 2019. Available online: <https://www.sahealth.sa.gov.au/wps/wcm/connect/f56a2a80433c6b9e9fcadfb9c78a5ba/Metro+LHNs+Maps.pdf?MOD=AJPERES&CACHEID=ROOTWORKSPACE-f56a2a80433c6b9e9fcadfb9c78a5ba-n5jndie>.

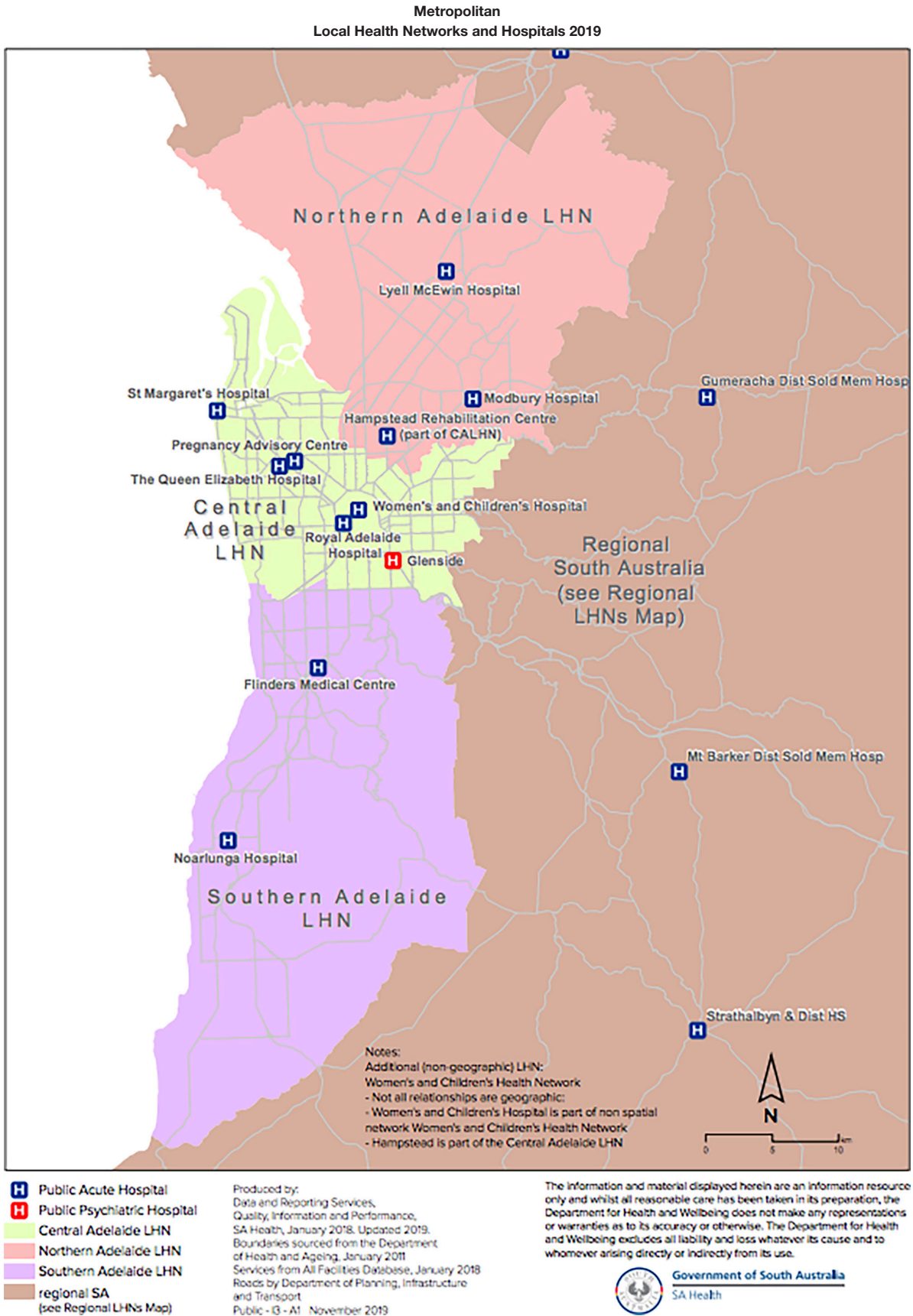


Figure S1 South Australian Local Health Network catchment areas (24) from <https://www.sahealth.sa.gov.au/>. Permission was obtained from the publisher.

Table S1 Chi Square Results—unplanned medical review required

Variable	Not requiring Review, N (%)	Review Required, N (%)	χ^2	P value
Age group			2.53	0.28
<50 years	17 (89.5)	2 (10.5)		
≥50, <70 years	35 (71.4)	14 (28.6)		
≥70 years	76 (73.8)	27 (26.2)		
Living Arrangement			6.64	0.04
Living alone	34 (72.3)	13 (27.7)		
Living with someone	82 (80.4)	20 (19.6)		
Residential care facility	12 (54.5)	10 (45.5)		
Number of Prev Epistaxis Admission			4.91	0.09
None	108 (78.3)	30 (21.7)		
1–2 previous admissions	17 (58.6)	12 (41.4)		
≥3 previous admissions	3 (75.0)	1 (25.0)		
No. recent (30 d) presentations for epistaxis			0.762	0.68
None	89 (76.1)	28 (23.9)		
1–2 previous presentation	34 (73.9)	12 (26.1)		
≥3 previous presentation	5 (62.5)	3 (37.5)		
Arrival Systolic BP			14.17	0.007
<90 mmHg	2 (50.0)	2 (50.0)		
90 to <120 mmHg	28 (96.6)	1 (3.4)		
120 to <140 mmHg	36 (80.0)	9 (20.0)		
140 to 170 mmHg	38 (71.7)	15 (28.3)		
>170 mmHg	24 (60.0)	16 (40.0)		
Anticoagulation			10.60	0.16
None	39 (76.5)	12 (23.5)		
Aspirin	13 (65.0)	7 (35.0)		
Other antiplatelet	11 (100.0)	0 (0)		
Dual antiplatelets	12 (70.6)	5 (29.4)		
Warfarin	19 (86.4)	3 (13.6)		
DOAC	30 (68.2)	14 (31.8)		
DOAC + antiplatelet	4 (80.0)	1 (20.0)		
Enoxaparin	0 (0.0)	1 (100.0)		
Heart Disease (valvular or ischaemic)			1.20	0.27
No	89 (77.4)	26 (22.6)		
Yes	39 (69.6)	17 (30.4)		
Previous TIA/Stroke			0.57	0.45
No	107 (73.8)	38 (26.2)		
Yes	21 (80.8)	5 (19.2)		
Atrial Fibrillation			0.093	0.76
No	74 (74.0)	26 (26.0)		
Yes	54 (76.1)	17 (23.9)		
Anaemia			2.48	0.29
No significant change Hb	101 (76.5)	31 (23.5)		
Drop 20–40	24 (66.7)	12 (33.3)		
Drop >40	3 (100.0)	0 (0)		
Recent Sinus Surgery			0.57	0.45
No	107 (73.8)	38 (26.2)		
Yes	21 (80.8)	5 (19.2)		
Previous Surgical management or interventional radiology/embolisation			0.46	0.50
No	122 (74.4)	42 (25.6)		
Yes	6 (85.7)	1 (14.3)		
Heart Failure			0.37	0.54
No	105 (73.9)	37 (26.1)		
Yes	23 (79.3)	6 (20.7)		
Dementia			6.60	0.01
No	119 (77.8)	34 (22.2)		
Yes	9 (50.0)	9 (50.0)		
Blood disorder			1.33	0.25
No	120 (75.9)	38 (24.1)		
Yes	8 (61.5)	5 (38.5)		
Trauma			0.68	0.41
No	126 (74.6)	43 (25.4)		
Yes	2 (100.0)	0 (0.0)		
Diabetes			0.47	0.49
No	115 (75.7)	37 (24.3)		
Yes	13 (68.4)	6 (31.6)		
Chronic Kidney Disease			0.23	0.63
No	116 (74.4)	40 (25.6)		
Yes	12 (80.0)	3 (20.0)		
Liver Disease			1.22	0.27
No	124 (75.6)	40 (24.4)		
Yes	4 (57.1)	3 (42.9)		

Table S2 Chi Square Results—surgical procedure

Variable	Not requiring procedure in theatre, N (%)	Requiring procedure in theatre, N (%)	χ^2	P value
Age group			20.7	<0.001
<50 years	13 (68.4)	6 (31.6)		
≥50, <70 years	44 (89.8)	5 (10.2)		
≥70 years	101 (98.1)	2 (1.9)		
Living Arrangement			2.44	0.30
Living alone	42 (89.4)	5 (10.6)		
Living with someone	94 (92.2)	8 (7.8)		
Residential care facility	22 (100.0)	0 (0)		
Number of Prev Epistaxis Admission			2.14	0.34
None	129 (93.5)	9 (6.5)		
1–2 previous admissions	25 (86.2)	4 (13.8)		
≥3 previous admissions	4 (100.0)	0 (0)		
No. recent (30 d) presentations for epistaxis			1.41	0.49
None	110 (94.0)	7 (6.0)		
1–2 previous presentation	41 (89.1)	5 (10.9)		
≥3 previous presentation	7 (87.5)	1 (12.5)		
Arrival Systolic BP			5.08	0.28
<90 mmHg	4 (100.0)	0 (0.0)		
90 to <120 mmHg	26 (89.7)	3 (10.3)		
120 to <140 mmHg	41 (91.1)	4 (8.9)		
140 to 170 mmHg	47 (88.7)	6 (11.3)		
>170 mmHg	40 (100.0)	0 (0)		
Anticoagulation			23.39	0.001
None	40 (78.4)	11 (21.6)		
Aspirin	20 (100.0)	0 (0)		
Other antiplatelet	11 (100.0)	0 (0)		
Dual antiplatelets	16 (94.1)	1 (5.9)		
Warfarin	22 (100.0)	0 (0)		
DOAC	44 (100.0)	0 (0)		
DOAC + antiplatelet	4 (80.0)	1 (20.0)		
Enoxaparin	1 (100.0)	0 (0)		
Heart Disease (valvular or ischaemic)			1.93	0.17
No	104 (90.4)	11 (9.6)		
Yes	54 (96.4)	2 (3.6)		
Previous TIA/Stroke			2.53	0.11
No	132 (91.0)	13 (9.0)		
Yes	26 (100.0)	0 (0)		
Atrial Fibrillation			6.63	0.01
No	88 (88.0)	12 (12.0)		
Yes	70 (98.6)	1 (1.4)		
Anaemia			2.72	0.26
No significant change Hb	124 (93.9)	8 (6.1)		
Drop 20–40	31 (86.1)	5 (13.9)		
Drop >40	3 (100.0)	0 (0)		
Recent Sinus Surgery			41.57	<0.001
No	142 (97.9)	3 (2.1)		
Yes	16 (61.5)	10 (38.5)		
Previous Surgical management or interventional radiology/embolisation			0.464	0.50
No	152 (92.7)	12 (7.3)		
Yes	6 (85.7)	1 (14.3)		
Heart Failure			2.87	0.09
No	129 (90.8)	13 (9.2)		
Yes	29 (100.0)	0 (0)		
Dementia			1.66	0.20
No	140 (91.5)	13 (8.5)		
Yes	18 (100.0)	0 (0)		
Blood disorder			1.16	0.28
No	145 (91.8)	13 (8.2)		
Yes	13 (100.0)	0 (0)		
Trauma			5.18	0.02
No	157 (92.9)	12 (7.1)		
Yes	1 (50.0)	1 (50.0)		
Diabetes			0.17	0.68
No	140 (92.1)	12 (7.9)		
Yes	18 (94.7)	1 (5.3)		
Chronic Kidney Disease			1.35	0.25
No	143 (91.7)	13 (8.3)		
Yes	15 (100.0)	0 (0)		
Liver Disease			0.60	0.44
No	151 (92.1)	13 (7.9)		
Yes	7 (100.0)	0 (0)		

Table S3 Chi Square Results—radiological embolisation

Variable	Not requiring embolisation, N (%)	Requiring embolization, N (%)	χ^2	P value
Age group			2.02	0.37
<50 years	19 (100.0)	0 (0)		
≥50, <70 years	49 (100.0)	0 (0)		
≥70 years	100 (97.1)	3 (2.9)		
Living Arrangement			0.456	0.80
Living alone	46 (97.9)	1 (2.1)		
Living with someone	100 (98.0)	2 (2.0)		
Residential care facility	22 (100.0)	0 (0)		
Number of Prev Epistaxis Admission			57.0	<0.001
None	138 (100.0)	0 (0)		
1–2 previous admissions	28 (96.6)	1 (3.4)		
≥3 previous admissions	2 (50.0)	2 (50.0)		
No. recent (30 d) presentations for epistaxis			5.96	0.05
None	116 (99.1)	1 (0.9)		
1–2 previous presentation	45 (97.8)	1 (2.2)		
≥3 previous presentation	7 (87.5)	1 (12.5)		
Arrival Systolic BP			1.69	0.79
<90 mmHg	4 (100.0)	0 (0)		
90 to <120 mmHg	28 (96.6)	1 (3.4)		
120 to <140 mmHg	44 (97.8)	1 (2.2)		
140 to 170 mmHg	53 (100.0)	0 (0)		
>170 mmHg	39 (97.5)	1 (2.5)		
Anticoagulation			4.91	0.67
None	49 (96.1)	2 (3.9)		
Aspirin	20 (100.0)	0 (0)		
Other antiplatelet	11 (100.0)	0 (0)		
Dual antiplatelets	16 (94.1)	1 (5.9)		
Warfarin	22 (100.0)	0 (0)		
DOAC	44 (100.0)	0 (0)		
DOAC + antiplatelet	5 (100.0)	0 (0)		
Enoxaparin	1 (100.0)	0 (0)		
Heart Disease (valvular or ischaemic)			1.60	0.21
No	114 (99.1)	1 (0.9)		
Yes	54 (96.4)	2 (3.6)		
Previous TIA/Stroke			0.778	0.38
No	143 (98.6)	2 (1.4)		
Yes	25 (96.2)	1 (3.8)		
Atrial Fibrillation			0.084	0.77
No	98 (98.0)	2 (2.0)		
Yes	70 (98.6)	1 (1.4)		
Anaemia			11.5	0.003
No significant change Hb	132 (100.0)	0 (0)		
Drop 20-40	33 (91.7)	3 (8.3)		
Drop >40	3 (100.0)	0 (0)		
Recent Sinus Surgery			0.548	0.46
No	142 (97.9)	3 (2.1)		
Yes	26 (100.0)	0 (0)		
Previous Surgical management or interventional radiology/embolisation			30.5	<0.001
No	163 (99.4)	1 (0.6)		
Yes	5 (71.4)	2 (28.6)		
Heart Failure			0.581	0.45
No	140 (98.6)	2 (1.4)		
Yes	28 (96.6)	1 (3.4)		
Dementia			1.69	0.19
No	151 (98.7)	2 (1.3)		
Yes	17 (94.4)	1 (5.6)		
Blood disorder			2.88	0.09
No	156 (98.7)	2 (1.3)		
Yes	12 (98.7)	1 (7.7)		
Trauma			0.036	0.85
No	166 (98.2)	3 (1.8)		
Yes	2 (100.0)	0 (0)		
Diabetes			0.382	0.54
No	149 (98.0)	3 (2.0)		
Yes	19 (100.0)	0 (0)		
Chronic Kidney Disease			0.294	0.59
No	153 (98.1)	3 (1.9)		
Yes	15 (100.0)	0 (0)		
Liver Disease			0.130	0.72
No	161 (98.2)	3 (1.8)		
Yes	7 (100.0)	0 (0)		