

Supplemental Table 1. Clinical management of in women attending general practice during the first or any encounter within the same treatment episode for lactational mastitis according to calendar year, Australia 2011 to 2022

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022†	Total
N	1 628	1 820	2 123	2 012	2 268	2 365	2 276	2 381	2 393	2 330	2 329	1 077	25 002
Oral antibiotic													
First	1 465 (90.0%)	1 652 (90.8%)	1 942 (91.5%)	1 850 (92.0%)	2 028 (89.4%)	2 130 (90.1%)	2 011 (88.4%)	2 133 (89.6%)	2 143 (89.6%)	2 079 (89.2%)	2 103 (90.3%)	987 (91.6%)	22 523 (90.1%)
Any	1 483 (91.1%)	1 673 (91.9%)	1 960 (92.3%)	1 861 (92.5%)	2 041 (90.0%)	2 142 (90.6%)	2 036 (89.5%)	2 158 (90.6%)	2 162 (90.3%)	2 101 (90.2%)	2 126 (91.3%)	996 (92.5%)	22 739 (90.9%)
Breast ultrasound													
First	45 (2.8%)	45 (2.5%)	76 (3.6%)	107 (5.3%)	103 (4.5%)	139 (5.9%)	147 (6.5%)	159 (6.7%)	196 (8.2%)	132 (5.7%)	169 (7.3%)	75 (7.0%)	1393 (5.6%)
Any	56 (3.4%)	66 (3.6%)	99 (4.7%)	127 (6.3%)	137 (6.0%)	171 (7.2%)	185 (8.1%)	211 (8.9%)	233 (9.7%)	183 (7.9%)	211 (9.1%)	92 (8.5%)	1771 (7.1%)
Breast milk culture													
First	11 (0.7%)	11 (0.6%)	10 (0.5%)	8 (0.4%)	13 (0.6%)	18 (0.8%)	10 (0.4%)	26 (1.1%)	25 (1.0%)	21 (0.9%)	31 (1.3%)	11 (1.0%)	195 (0.8%)
Any	13 (0.8%)	15 (0.8%)	11 (0.5%)	14 (0.7%)	16 (0.7%)	20 (0.8%)	11 (0.5%)	29 (1.2%)	26 (1.1%)	25 (1.1%)	40 (1.7%)	15 (1.4%)	235 (0.9%)
Nipple swab culture													
First	8 (0.5%)	13 (0.7%)	13 (0.6%)	24 (1.2%)	26 (1.1%)	17 (0.7%)	23 (1.0%)	30 (1.3%)	18 (0.8%)	22 (0.9%)	26 (1.1%)	17 (1.6%)	237 (0.9%)
Any	8 (0.5%)	16 (0.9%)	13 (0.6%)	26 (1.3%)	32 (1.4%)	24 (1.0%)	27 (1.2%)	34 (1.4%)	25 (1.0%)	28 (1.2%)	32 (1.4%)	18 (1.7%)	283 (1.1%)
Blood test‡													
First	41 (2.5%)	27 (1.5%)	64 (3.0%)	49 (2.4%)	62 (2.7%)	84 (3.6%)	69 (3.0%)	88 (3.7%)	117 (4.9%)	82 (3.5%)	104 (4.5%)	48 (4.5%)	835 (3.3%)
Any	43 (2.6%)	31 (1.7%)	75 (3.5%)	56 (2.8%)	76 (3.4%)	92 (3.9%)	86 (3.8%)	99 (4.2%)	135 (5.6%)	96 (4.1%)	117 (5.0%)	56 (5.2%)	962 (3.8%)
Breast aspirate													
First	NR	NR	NR	NR	NR	NR	5 (0.2%)	9 (0.4%)	NR	6 (0.3%)	5 (0.2%)	NR	37 (0.1%)
Any	NR	NR	NR	NR	7 (0.3%)	NR	8 (0.4%)	10 (0.4%)	NR	11 (0.5%)	9 (0.4%)	NR	64 (0.3%)

NR, not reportable due to small cell size

† 2022 calendar year includes January to July data only

‡ Includes ordering of full blood count, c-reactive protein, or erythrocyte sedimentation rate

Supplemental Table 2. The proportion of women attending general practice who were prescribed oral antibiotics during the first or any encounter within the same treatment episode for lactational mastitis according to antibiotic type and calendar year, Australia 2011 to 2022

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022†
N	1 628	1 820	2 123	2 012	2 268	2 365	2 276	2 381	2 393	2 330	2 329	1 077
Di/flucloxacillin												
First	719 (44.2%)	816 (44.8%)	981 (46.2%)	922 (45.8%)	1038 (45.8%)	1142 (48.3%)	1098 (48.2%)	1273 (53.5%)	1244 (52.0%)	1263 (54.2%)	1340 (57.5%)	641 (59.5%)
Any*	751 (46.1%)	830 (45.6%)	1010 (47.6%)	945 (47.0%)	1068 (47.1%)	1172 (49.6%)	1130 (49.6%)	1310 (55.0%)	1264 (52.8%)	1292 (55.5%)	1371 (58.9%)	651 (60.4%)
Cefalexin												
First	607 (37.3%)	678 (37.3%)	775 (36.5%)	765 (38.0%)	780 (34.4%)	825 (34.9%)	737 (32.4%)	690 (29.0%)	782 (32.7%)	684 (29.4%)	626 (26.9%)	274 (25.4%)
Any*	629 (38.6%)	704 (38.7%)	800 (37.7%)	780 (38.8%)	804 (35.4%)	850 (35.9%)	765 (33.6%)	714 (30.0%)	805 (33.6%)	713 (30.6%)	652 (28.0%)	285 (26.5%)
Amoxicillin												
First	65 (4.0%)	93 (5.1%)	84 (4.0%)	57 (2.8%)	95 (4.2%)	75 (3.2%)	72 (3.2%)	59 (2.5%)	40 (1.7%)	38 (1.6%)	53 (2.3%)	23 (2.1%)
Any*	68 (4.2%)	94 (5.2%)	86 (4.1%)	59 (2.9%)	96 (4.2%)	77 (3.3%)	74 (3.3%)	62 (2.6%)	40 (1.7%)	38 (1.6%)	55 (2.4%)	23 (2.1%)
Amoxicillin and clavulanate												
First	28 (1.7%)	27 (1.5%)	63 (3.0%)	48 (2.4%)	48 (2.1%)	54 (2.3%)	64 (2.8%)	72 (3.0%)	71 (3.0%)	43 (1.8%)	48 (2.1%)	28 (2.6%)
Any*	29 (1.8%)	32 (1.8%)	69 (3.3%)	54 (2.7%)	59 (2.6%)	63 (2.7%)	71 (3.1%)	81 (3.4%)	74 (3.1%)	48 (2.1%)	53 (2.3%)	31 (2.9%)
Erythromycin												
First	22 (1.4%)	27 (1.5%)	34 (1.6%)	43 (2.1%)	34 (1.5%)	34 (1.4%)	23 (1.0%)	22 (0.9%)	21 (0.9%)	17 (0.7%)	5 (0.2%)	7 (0.6%)
Any*	23 (1.4%)	30 (1.6%)	39 (1.8%)	44 (2.2%)	35 (1.5%)	35 (1.5%)	26 (1.1%)	24 (1.0%)	23 (1.0%)	17 (0.7%)	5 (0.2%)	7 (0.6%)
Clindamycin												
First	21 (1.3%)	20 (1.1%)	20 (0.9%)	22 (1.1%)	34 (1.5%)	23 (1.0%)	28 (1.2%)	28 (1.2%)	26 (1.1%)	43 (1.8%)	32 (1.4%)	18 (1.7%)
Any*	22 (1.4%)	22 (1.2%)	23 (1.1%)	23 (1.1%)	39 (1.7%)	28 (1.2%)	32 (1.4%)	30 (1.3%)	28 (1.2%)	49 (2.1%)	38 (1.6%)	20 (1.9%)
Other												
First	20 (1.2%)	17 (0.9%)	19 (0.9%)	20 (1.0%)	19 (0.8%)	11 (0.5%)	15 (0.7%)	8 (0.3%)	14 (0.6%)	11 (0.5%)	13 (0.6%)	7 (0.6%)
Any*	22 (1.4%)	25 (1.4%)	25 (1.2%)	23 (1.1%)	22 (1.0%)	14 (0.6%)	16 (0.7%)	12 (0.5%)	19 (0.8%)	15 (0.6%)	15 (0.6%)	7 (0.6%)

*at any encounter for mastitis, including additional encounter occurring within two week period of a previous mastitis encounter

† 2022 calendar year includes January to July data only

Supplemental Table 3. The proportion of women attending general practice for lactational mastitis who received selected clinical investigations or prescribed medications according to whether or not they were prescribed oral antibiotics during the same encounter, Australia 2011 to 2022

	Antibiotics prescribed at first encounter		p-value
	No (N = 2 479)	Yes (N = 22 523)	
Clinical Investigations			
Breast ultrasound	174 (7.0%)	1 219 (5.4%)	<0.001
Breast milk culture	26 (1.0%)	169 (0.8%)	0.109
Nipple swab culture	28 (1.1%)	209 (0.9%)	0.326
Blood Test	109 (4.4%)	726 (3.2%)	0.002
Breast Aspirate	8 (0.3%)	29 (0.1%)	0.017
Medication Prescriptions			
Antibiotics			
Topical	25 (1.0%)	100 (0.4%)	<0.001
Intravenous	8 (0.3%)	12 (0.1%)	<0.001
Antifungals			
Oral	97 (3.9%)	178 (0.8%)	<0.001
Topical	53 (2.1%)	250 (1.1%)	<0.001
Other Medications			
Lactation Suppressant	26 (1.0%)	244 (1.1%)	0.875
Lactation Stimulant	30 (1.2%)	226 (1.0%)	0.332

Supplemental Table 4. Proportion of women attending general practice who received a breast ultrasound during the first, or any, encounter for lactational mastitis according to individual and practice-level characteristics, Australia 2011 to 2022

Category	First		Any*	
	Proportion (95% CI)	OR (95% CI)	Proportion (95% CI)	OR (95% CI)
Age group				
18-24	4.4 (3.6, 5.4)	0.97 (0.76, 1.25)	5.2 (4.3, 6.3)	0.88 (0.71, 1.11)
25-29	4.5 (4.0, 5.1)	Reference	5.9 (5.3, 6.5)	Reference
30-34	5.6 (5.2, 6.1)	1.25 (1.08, 1.46)	7.2 (6.7, 7.7)	1.24 (1.08, 1.41)
35-39	6.5 (5.9, 7.1)	1.46 (1.24, 1.71)	8.2 (7.5, 8.9)	1.43 (1.24, 1.65)
40-44	7.4 (6.1, 8.9)	1.68 (1.34, 2.12)	9.5 (8.1, 11.1)	1.69 (1.37, 2.07)
Concession status				
No concession	5.5 (5.2, 5.8)	Reference	7.1 (6.8, 7.5)	Reference
Concession holder	5.8 (5.1, 6.6)	1.05 (0.91, 1.22)	6.8 (6.1, 7.7)	0.96 (0.84, 1.09)
Smoking status				
Current smoker	7.9 (6.2, 10.0)	1.44 (1.11, 1.88)	9.4 (7.5, 11.6)	1.30 (1.02, 1.66)
Ex-smoker	5.2 (4.7, 5.7)	0.91 (0.81, 1.03)	6.3 (5.8, 6.8)	0.84 (0.76, 0.94)
Never smoker	5.6 (5.3, 6.0)	Reference	7.4 (7.0, 7.8)	Reference
Patient SES				
Very low	5.2 (4.5, 6.1)	0.91 (0.75, 1.09)	6.3 (5.5, 7.2)	0.82 (0.69, 0.97)
Low	5.3 (4.6, 6.0)	0.92 (0.78, 1.09)	6.6 (5.9, 7.4)	0.87 (0.74, 1.01)
Middle	5.3 (4.7, 6.0)	0.93 (0.79, 1.08)	6.7 (6.0, 7.4)	0.87 (0.76, 1.01)
High	6.0 (5.4, 6.6)	1.05 (0.90, 1.22)	7.6 (6.9, 8.3)	1.00 (0.88, 1.15)
Very high	5.7 (5.2, 6.3)	Reference	7.6 (7.0, 8.2)	Reference
Indigenous status				
Aboriginal and/or TSI	5.7 (3.9, 7.9)	1.02 (0.71, 1.47)	6.6 (4.7, 9.0)	0.92 (0.66, 1.30)
Neither Aboriginal or TSI	5.6 (5.3, 5.9)	Reference	7.1 (6.8, 7.4)	Reference
Fever				
No	6.5 (5.9, 7.1)	Reference	8.3 (7.6, 9.0)	Reference
Yes	3.0 (1.6, 5.2)	0.45 (0.25, 0.80)	5.5 (3.5, 8.2)	0.64 (0.41, 1.00)
Not Documented	5.3 (5.0, 5.6)	0.81 (0.72, 0.91)	6.7 (6.3, 7.1)	0.79 (0.71, 0.88)
Remoteness of general practice				
Major City	5.7 (5.4, 6.1)	Reference	7.4 (7.0, 7.8)	Reference
Inner/Outer Regional	5.0 (4.5, 5.7)	0.87 (0.75, 1.00)	6.4 (5.8, 7.1)	0.86 (0.76, 0.97)
Remote/Very Remote	5.5 (4.7, 6.3)	0.95 (0.80, 1.12)	6.5 (5.6, 7.4)	0.87 (0.75, 1.01)

*at any encounter for mastitis, including additional encounter occurring within two week period of a previous mastitis encounter

Abbreviations: OR, odds ratio; SES, socioeconomic status; TSI, Torres Strait Islander

Supplemental Table 5. Proportion of women attending general practice who received a blood test (FBE, CRP, or ESR) during the first, or any, encounter for lactational mastitis according to individual and practice-level characteristics, Australia 2011 to 2022

Category	First Proportion (95% CI)	OR (95% CI)	Any* Proportion (95% CI)	OR (95% CI)
Age group				
18-24	4.0 (3.2, 4.9)	1.30 (1.00, 1.71)	4.6 (3.7, 5.6)	1.30 (1.01, 1.67)
25-29	3.1 (2.6, 3.5)	Reference	3.6 (3.1, 4.1)	Reference
30-34	3.4 (3.0, 3.7)	1.10 (0.92, 1.32)	3.8 (3.4, 4.2)	1.06 (0.89, 1.26)
35-39	3.2 (2.8, 3.7)	1.04 (0.84, 1.28)	3.7 (3.2, 4.2)	1.02 (0.84, 1.23)
40-44	4.0 (3.0, 5.1)	1.31 (0.97, 1.77)	4.7 (3.7, 5.9)	1.33 (1.01, 1.75)
Concession status				
No concession	3.2 (2.9, 3.4)	Reference	3.7 (3.4, 3.9)	Reference
Concession holder	4.3 (3.7, 5.0)	1.37 (1.15, 1.63)	4.8 (4.1, 5.5)	1.31 (1.11, 1.54)
Smoking status				
Current Smoker	4.0 (2.7, 5.5)	1.21 (0.84, 1.74)	4.5 (3.1, 6.1)	1.14 (0.81, 1.61)
Ex Smoker	3.4 (3.0, 3.8)	1.02 (0.88, 1.18)	3.7 (3.3, 4.1)	0.93 (0.81, 1.07)
Never Smoker	3.3 (3.0, 3.6)	Reference	3.9 (3.6, 4.3)	Reference
Patient SES				
Very Low	3.5 (2.9, 4.2)	1.07 (0.85, 1.35)	3.8 (3.1, 4.5)	0.99 (0.79, 1.23)
Low	3.5 (3.0, 4.1)	1.08 (0.88, 1.34)	4.2 (3.6, 4.9)	1.11 (0.92, 1.35)
Middle	3.4 (2.9, 4.0)	1.05 (0.86, 1.28)	3.8 (3.3, 4.4)	1.00 (0.83, 1.21)
High	3.1 (2.7, 3.6)	0.95 (0.78, 1.17)	3.7 (3.2, 4.2)	0.97 (0.81, 1.17)
Very High	3.3 (2.9, 3.7)	Reference	3.8 (3.4, 4.3)	Reference
Indigenous status				
Aboriginal and/or TSI	4.6 (3.0, 6.7)	1.40 (0.93, 2.10)	5.1 (3.4, 7.3)	1.36 (0.92, 2.00)
Neither Aboriginal or TSI	3.3 (3.1, 3.5)	Reference	3.8 (3.6, 4.1)	Reference
Fever				
No	3.9 (3.5, 4.4)	Reference	4.5 (4.0, 5.0)	Reference
Yes	2.5 (1.2, 4.5)	0.63 (0.33, 1.19)	3.0 (1.6, 5.2)	0.66 (0.37, 1.18)
Not Documented	3.2 (2.9, 3.4)	0.80 (0.69, 0.93)	3.6 (3.4, 3.9)	0.81 (0.70, 0.93)
Remoteness of general practice				
Major City	3.4 (3.1, 3.7)	Reference	3.9 (3.7, 4.3)	Reference
Inner/Outer	3.1 (2.6, 3.6)	0.90 (0.75, 1.08)	3.6 (3.1, 4.2)	0.91 (0.77, 1.07)
Regional				
Remote/Very Remote	3.2 (2.6, 3.9)	0.95 (0.76, 1.17)	3.6 (3.0, 4.3)	0.92 (0.75, 1.12)

*at any encounter for mastitis, including additional encounter occurring within two week period of a previous mastitis encounter

Abbreviations: OR, odds ratio; SES, socioeconomic status; TSI, Torres Strait Islander

Supplemental Table 6. Proportion of women attending general practice who received a breast milk culture during the first, or any, encounter for lactational mastitis according to individual and practice-level characteristics, Australia 2011 to 2022

Category	Proportion (95% CI)	First OR (95% CI)	Any* Proportion (95% CI)	OR (95% CI)
Age group				
18-24	0.8 (0.5, 1.3)	0.78 (0.45, 1.36)	1.0 (0.6, 1.5)	0.83 (0.51, 1.38)
25-29	1.0 (0.8, 1.3)	Reference	1.2 (0.9, 1.5)	Reference
30-34	0.9 (0.8, 1.1)	0.91 (0.66, 1.26)	1.1 (0.9, 1.3)	0.91 (0.67, 1.23)
35-39	0.8 (0.6, 1.1)	0.77 (0.53, 1.13)	1.0 (0.8, 1.3)	0.85 (0.60, 1.20)
40-44	1.5 (0.9, 2.3)	1.47 (0.90, 2.41)	1.8 (1.2, 2.6)	1.49 (0.95, 2.35)
Concession status				
No concession	1.0 (0.8, 1.1)	Reference	1.1 (1.0, 1.3)	Reference
Concession holder	0.9 (0.6, 1.2)	0.91 (0.63, 1.31)	1.1 (0.8, 1.4)	0.92 (0.66, 1.28)
Smoking Status				
Current Smoker	1.4 (0.7, 2.4)	1.41 (0.76, 2.63)	1.4 (0.7, 2.4)	1.15 (0.62, 2.13)
Ex Smoker	0.9 (0.7, 1.1)	0.89 (0.67, 1.19)	1.0 (0.8, 1.2)	0.83 (0.64, 1.08)
Never Smoker	1.0 (0.8, 1.1)	Reference	1.2 (1.0, 1.4)	Reference
Patient SES				
Very Low	1.0 (0.7, 1.4)	0.90 (0.59, 1.36)	1.3 (0.9, 1.8)	1.03 (0.71, 1.50)
Low	0.7 (0.5, 1.0)	0.62 (0.41, 0.95)	0.8 (0.6, 1.2)	0.65 (0.44, 0.97)
Middle	0.8 (0.6, 1.1)	0.72 (0.49, 1.05)	1.1 (0.8, 1.4)	0.86 (0.61, 1.20)
High	0.9 (0.7, 1.2)	0.83 (0.58, 1.18)	1.1 (0.8, 1.4)	0.87 (0.63, 1.21)
Very High	1.1 (0.9, 1.4)	Reference	1.3 (1.0, 1.6)	Reference
Indigenous Status				
Aboriginal and/or TSI	0.9 (0.3, 2.1)	0.96 (0.40, 2.35)	0.9 (0.3, 2.1)	0.80 (0.33, 1.95)
Neither Aboriginal or TSI	0.9 (0.8, 1.1)	Reference	1.1 (1.0, 1.3)	Reference
Fever				
No	1.1 (0.9, 1.4)	Reference	1.3 (1.1, 1.6)	Reference
Yes	0.2 (0.0, 1.4)	0.22 (0.03, 1.60)	0.5 (0.1, 1.8)	0.37 (0.09, 1.52)
Not Documented	0.9 (0.8, 1.1)	0.81 (0.61, 1.07)	1.1 (0.9, 1.2)	0.81 (0.63, 1.04)
Remoteness of general practice				
Major City	0.9 (0.8, 1.1)	Reference	1.1 (1.0, 1.3)	Reference
Inner/Outer	0.7 (0.5, 0.9)	0.71 (0.49, 1.03)	0.9 (0.6, 1.2)	0.77 (0.56, 1.07)
Regional				
Remote/Very Remote	1.4 (1.0, 1.9)	1.48 (1.05, 2.07)	1.6 (1.2, 2.1)	1.44 (1.05, 1.98)

*at any encounter for mastitis, including additional encounter occurring within two week period of a previous mastitis encounter

Abbreviations: OR, odds ratio; SES, socioeconomic status; TSI, Torres Strait Islander

Supplemental Table 7. Proportion of women attending general practice who received a nipple swab culture during the first, or any, encounter for lactational mastitis according to individual and practice-level characteristics, Australia 2011 to 2022

Category	Proportion (95% CI)	First OR (95% CI)	Any* Proportion (95% CI)	OR (95% CI)
Age group				
18-24	0.7 (0.4, 1.2)	0.84 (0.46, 1.52)	0.9 (0.5, 1.4)	0.87 (0.51, 1.50)
25-29	0.8 (0.6, 1.1)	Reference	1.0 (0.7, 1.3)	Reference
30-34	0.9 (0.7, 1.1)	1.04 (0.73, 1.48)	1.0 (0.8, 1.2)	1.04 (0.75, 1.44)
35-39	0.6 (0.4, 0.9)	0.74 (0.49, 1.14)	0.8 (0.6, 1.1)	0.81 (0.55, 1.20)
40-44	0.6 (0.3, 1.2)	0.73 (0.36, 1.49)	1.0 (0.5, 1.6)	0.98 (0.54, 1.76)
Concession status				
No concession	0.8 (0.7, 1.0)	Reference	1.0 (0.9, 1.1)	Reference
Concession holder	0.5 (0.3, 0.8)	0.58 (0.36, 0.94)	0.6 (0.4, 0.9)	0.61 (0.40, 0.94)
Smoking Status				
Current Smoker	0.1 (0.0, 0.7)	0.14 (0.02, 0.98)	0.1 (0.0, 0.7)	0.11 (0.02, 0.81)
Ex Smoker	0.6 (0.5, 0.8)	0.68 (0.49, 0.94)	0.7 (0.6, 0.9)	0.67 (0.50, 0.90)
Never Smoker	0.9 (0.7, 1.1)	Reference	1.1 (0.9, 1.3)	Reference
Patient SES				
Very Low	0.4 (0.2, 0.7)	0.59 (0.33, 1.06)	0.6 (0.4, 0.9)	0.59 (0.36, 0.98)
Low	1.0 (0.7, 1.3)	1.32 (0.88, 1.99)	1.1 (0.8, 1.5)	1.07 (0.74, 1.56)
Middle	0.8 (0.6, 1.1)	1.08 (0.72, 1.62)	1.0 (0.7, 1.3)	0.95 (0.66, 1.37)
High	0.7 (0.5, 1.0)	0.96 (0.63, 1.44)	0.8 (0.6, 1.1)	0.80 (0.55, 1.16)
Very High	0.8 (0.6, 1.0)	Reference	1.0 (0.8, 1.3)	Reference
Indigenous Status				
Aboriginal and/or TSI	0.5 (0.1, 1.6)	0.70 (0.22, 2.19)	0.5 (0.1, 1.6)	0.58 (0.18, 1.80)
Neither Aboriginal or TSI	0.8 (0.7, 0.9)	Reference	0.9 (0.8, 1.1)	Reference
Fever				
No	0.8 (0.6, 1.1)	Reference	1.0 (0.8, 1.3)	Reference
Yes	0.7 (0.2, 2.2)	0.89 (0.28, 2.86)	1.0 (0.3, 2.5)	0.98 (0.35, 2.69)
Not Documented	0.8 (0.6, 0.9)	0.90 (0.66, 1.24)	0.9 (0.8, 1.1)	0.89 (0.67, 1.18)
Remoteness of general practice				
Major City	0.8 (0.6, 0.9)	Reference	0.9 (0.8, 1.1)	Reference
Inner/Outer	0.3 (0.2, 0.5)	0.46 (0.28, 0.75)	0.5 (0.3, 0.7)	0.53 (0.35, 0.81)
Regional				
Remote/Very Remote	1.3 (0.9, 1.8)	1.76 (1.24, 2.52)	1.4 (1.0, 1.9)	1.49 (1.06, 2.09)

*at any encounter for mastitis, including additional encounter occurring within two week period of a previous mastitis encounter

Abbreviations: OR, odds ratio; SES, socioeconomic status; TSI, Torres Strait Islander

Supplemental Table 8. Proportion of women attending general practice who received a breast aspirate during the first, or any, encounter for lactational mastitis according to individual and practice-level characteristics, Australia 2011 to 2022

Category	First Proportion (95% CI)	OR (95% CI)	Any* Proportion (95% CI)	OR (95% CI)
Age group				
18-24	0.1 (0.0, 0.3)	0.37 (0.05, 2.93)	0.1 (0.0, 0.4)	0.53 (0.12, 2.40)
25-29	0.1 (0.1, 0.3)	Reference	0.2 (0.1, 0.3)	Reference
30-34	0.1 (0.1, 0.2)	0.96 (0.40, 2.33)	0.3 (0.2, 0.4)	1.57 (0.78, 3.14)
35-39	0.2 (0.1, 0.4)	1.48 (0.61, 3.63)	0.3 (0.2, 0.5)	1.53 (0.72, 3.27)
40-44	0.2 (0.0, 0.6)	1.50 (0.40, 5.66)	0.3 (0.1, 0.8)	1.82 (0.63, 5.24)
Concession status				
No concession	0.2 (0.1, 0.2)	Reference	0.3 (0.2, 0.3)	Reference
Concession holder	0.1 (0.0, 0.3)	0.85 (0.33, 2.18)	0.2 (0.1, 0.4)	0.67 (0.30, 1.46)
Smoking status				
Current Smoker	0.4 (0.1, 1.1)	2.42 (0.72, 8.13)	0.4 (0.1, 1.1)	1.34 (0.41, 4.33)
Ex Smoker	0.1 (0.1, 0.2)	0.75 (0.35, 1.59)	0.2 (0.1, 0.3)	0.70 (0.40, 1.25)
Never Smoker	0.2 (0.1, 0.2)	Reference	0.3 (0.2, 0.4)	Reference
Patient SES				
Very Low	0.1 (0.0, 0.2)	0.27 (0.06, 1.19)	0.1 (0.0, 0.2)	0.14 (0.03, 0.57)
Low	0.1 (0.0, 0.3)	0.51 (0.19, 1.39)	0.2 (0.1, 0.4)	0.41 (0.19, 0.88)
Middle	0.1 (0.0, 0.2)	0.33 (0.11, 1.00)	0.2 (0.1, 0.3)	0.33 (0.15, 0.72)
High	0.2 (0.1, 0.3)	0.78 (0.35, 1.71)	0.3 (0.1, 0.4)	0.54 (0.29, 1.02)
Very High	0.2 (0.1, 0.4)	Reference	0.5 (0.3, 0.7)	Reference
Indigenous status				
Aboriginal and/or TSI	0	NR	0	NR
Neither Aboriginal or TSI	0.2 (0.1-0.2)	Reference	0.3 (0.2-0.3)	Reference
Fever				
No	0.2 (0.1, 0.3)	Reference	0.3 (0.2, 0.4)	Reference
Yes	0.0 (0.0, 0.9)	NR	0.0 (0.0, 0.9)	NR
Not Documented	0.1 (0.1, 0.2)	0.98 (0.47, 2.03)	0.3 (0.2, 0.3)	1.00 (0.58, 1.75)
Remoteness of general practice				
Major City	0.2 (0.1, 0.2)	Reference	0.3 (0.2, 0.4)	Reference
Inner/Outer	0.1 (0.0, 0.2)	0.56 (0.22, 1.45)	0.2 (0.1, 0.3)	0.59 (0.29, 1.20)
Regional				
Remote/Very Remote	0.1 (0.0, 0.3)	0.75 (0.26, 2.14)	0.2 (0.1, 0.5)	0.77 (0.35, 1.70)

*at any encounter for mastitis, including additional encounter occurring within two week period of a previous mastitis encounter

Abbreviations: OR, odds ratio; SES, socioeconomic status; TSI, Torres Strait Islander