

Appendix 2. Incidence rate ratios, 95% confidence intervals and P-values for antibiotic prescriptions per 1000 population per year using Poisson models.

Parameter	IRR (95% CI)	P-value
Overall – Crude		<.0001
Alberta	1.06 (0.95-1.17)	
British Columbia	0.87 (0.75-0.98)	
Manitoba	1.02 (0.91-1.13)	
New Brunswick	1.02 (0.91-1.13)	
Newfoundland and Labrador	1.47 (1.37-1.57)	
Nova Scotia	1.04 (0.93-1.15)	
Ontario	1.02 (0.91-1.13)	
Prince Edward Island	1.03 (0.92-1.14)	
Québec	0.97 (0.86-1.08)	
Saskatchewan	1.14 (1.03-1.24)	
Overall – Age-adjusted		<.0001
Alberta	1.08 (0.97-1.19)	
British Columbia	0.84 (0.73-0.96)	
Manitoba	1.05 (0.92-1.14)	
New Brunswick	1.00 (0.89-1.11)	
Newfoundland and Labrador	1.45 (1.35-1.55)	
Nova Scotia	1.01 (0.90-1.12)	
Ontario	1.02 (0.91-1.13)	
Prince Edward Island	1.00 (0.90-1.12)	
Québec	0.95 (0.84-1.06)	
Saskatchewan	1.14 (1.04-1.25)	
Fluoroquinolones		<.0001
Alberta	0.84 (0.45-1.22)	
British Columbia	0.75 (0.35-1.14)	
Manitoba	0.94 (0.57-1.31)	
New Brunswick	0.79 (0.39-1.18)	
Newfoundland and Labrador	1.52 (1.19-1.86)	
Nova Scotia	0.77 (0.38-1.17)	
Ontario	0.91 (0.54-1.29)	
Prince Edward Island	0.70 (0.30-1.11)	
Québec	1.45 (1.11-1.79)	
Saskatchewan	0.84 (0.45-1.22)	
Macrolides		<.0001
Alberta	1.03 (0.73-1.32)	
British Columbia	0.66 (0.33-0.99)	
Manitoba	0.99 (0.69-1.29)	
New Brunswick	0.85 (0.54-1.16)	
Newfoundland and Labrador	1.43 (1.16-1.70)	
Nova Scotia	0.68 (0.36-1.01)	
Ontario	1.02 (0.73-1.31)	
Prince Edward Island	0.89 (0.59-1.20)	
Québec	1.20 (0.91-1.48)	
Saskatchewan	1.00 (0.70-1.29)	
Penicillins with beta-lactamase inhibitors		0.2743
Alberta	1.13 (0.74-1.52)	
British Columbia	0.86 (0.44-1.28)	
Manitoba	1.01 (0.61-1.41)	
New Brunswick	1.22 (0.84-1.61)	
Newfoundland and Labrador	1.48 (1.11-1.84)	
Nova Scotia	0.97 (0.56-1.37)	
Ontario	0.90 (0.49-1.32)	
Prince Edward Island	1.06 (0.67-1.46)	
Québec	1.13 (0.74-1.52)	
Saskatchewan	1.13 (0.74-1.52)	
Children		<.0001
Alberta	1.09 (0.97-1.20)	
British Columbia	0.77 (0.65-0.90)	
Manitoba	1.09 (0.97-1.21)	
New Brunswick	1.11 (1.00-1.23)	
Newfoundland and Labrador	1.83 (1.73-1.94)	
Nova Scotia	1.04 (0.92-1.16)	
Ontario	0.96 (0.84-1.08)	
Prince Edward Island	1.18 (1.06-1.29)	
Québec	1.04 (0.92-1.16)	
Saskatchewan	1.24 (1.12-1.35)	
Adults		<.0001
Alberta	1.10 (0.99-1.22)	
British Columbia	0.88 (0.76-1.00)	
Manitoba	1.07 (0.96-1.19)	
New Brunswick	1.03 (0.91-1.14)	
Newfoundland and Labrador	1.44 (1.33-1.55)	
Nova Scotia	1.02 (0.90-1.14)	
Ontario	1.00 (0.89-1.12)	
Prince Edward Island	0.99 (0.87-1.10)	
Québec	0.95 (0.84-1.07)	
Saskatchewan	1.19 (1.07-1.30)	
Older Adults		<.0001
Alberta	1.04 (0.95-1.13)	
British Columbia	0.86 (0.76-0.95)	
Manitoba	0.90 (0.81-0.99)	
New Brunswick	0.89 (0.80-0.99)	
Newfoundland and Labrador	1.29 (1.20-1.37)	
Nova Scotia	1.00 (0.91-1.09)	
Ontario	1.10 (1.01-1.19)	
Prince Edward Island	0.98 (0.89-1.07)	
Québec	0.93 (0.84-1.02)	
Saskatchewan	1.01 (0.92-1.10)	

IRR = incidence rate ratio; CI = Confidence Interval.

Note: the referent in all of the above models was the corresponding national dispensing rate.