**Table 3:** ADOLESCENTS (12-19 years)-Adjusted odds ratios (ORadj) and their BRR 95% confidence interval (95% CI) based on logistic regression of the prevalence of chronic bronchitis (CB).

|  |  |  |
| --- | --- | --- |
| **Variable** | **Model I** | **Model II** |
| **Sex** |
|  BoyGirl | 1.001.20 (0.86-1.68) | 1.000.84 (0.61-1.16) |
| **Age groups** |
|  12-15 | 1.00 | 1.00 |
|  yrs.  | **3.53 (2.96-4.22)** | **2.98 (2.49-3.56)** |
| **Locations of residence** |
|  Urban | 1.00 | 1.00 |
|  Rural  | **0.30 (0.23-0.40)** | **0.22 (0.17-0.29)** |
| **Geographical Area** |
|  Atlantic/Quebec |  |  |
|  Ontario | **1.70 (1.31-2.20)** | **2.67 (0.31-0.51)** |
|  Manitoba/Saskatchewan | **0.63 (0.49-0.82)** | **0.89 (0.32-0.52)** |
|  Alberta | **3.82 (2.95-4.95)** | **5.90 (4.39-7.95)** |
|  British Columbia | **1.82 (1.36-2.44)** | **2.06 (1.49-2.84)** |
| **Income** |
|  ≥ 85,000  |  |  |
|  65-84,999 | **1.65 (1.27- 2.14)** | **2.16 (1.68-2.45)** |
|  45-64,999 | **1.83 (1.38-2.45)** | **2.02 (1.53-2.68)** |
|  25-44,999 | 1.23 (0.92-1.65) | 1.04 (0.79-1.35) |
|  ≤ 25,000  | **3.08 (2.37-4.00)** | **2.87 (2.24-3.67)** |
| **Education** |
| College/non-university certificate/diploma | **2.51 (1.94-3.25)** | **1.93 (1.52-1.68)** |
| Some post-secondary/diploma | 1.16 (0.90-1.51) | 1.08 (0.83-1.39) |
| High school | **0.49 (0.37-0.67)** | **0.55 (0.41-0.73)** |
| Some high school | 1.02 (0.82-1.27) | 1.03 (0.83-1.28) |
| **BMI (kg/m2)** |
| Neither overweight nor obese |  |  |
| Overweight | 0.90 (0.65-1.27) | 0.53 (0.37-0.74) |
| Obese | **5.25 (3.72-7.43)** | **3.30 (2.42-4.51)** |
| **Residential school attendance** |
| No  |  |  |
| Yes | 0.87 (0.72-1.03) | 0.92 (0.77-1.09) |
| **Smoking inside the home** |
| No |  |  |
| Yes | **1.68 (1.42-2.00)** | **1.79 (1.51-2.13)** |
| **Asthma** |
|  No  | - |  |
|  Yes | - | **10.30 (8.65-12.26)** |
| **Allergies** |
|  No  | - | - |
|  Yes | - | - |
| **Interactions** |  |  |
| (**Sex\*BMI**) |
|  Girls who are overweight | **1.11 (0.69-1.78)** | **1.84 (1.14-2.98)** |
| Girls who are obese | **0.21 (0.13-0.35)** | **0.60 (0.37-0.96)** |
| (**Sex\*Residence**) |
|  Girls who live in Urban areas | **3.77 (2.53-5.62)** | **4.82 (3.29-7.07)** |