**Table 2:** Children (6-11 years old): Adjusted odds ratios (ORadj) and their 95% confidence interval (95% CI) based on logistic regression of the prevalence of chronic bronchitis (CB).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | **Model I** | **Model II** | **Model III** | **Model IV** |
| **Sex** |
| BoysGirls | 1.00**2.93 (1.98-4.35)** | 1.00**3.94 (2.51-6.16)** | 1.00**3.39 (2.19-5.27)** | 1.00**3.97 (2.46-6.41)** |
| **Age groups** |
| 6-8 yrs. | 1.00 | 1.00 | 1.00 | 1.00 |
| 9-11 yrs. | **0.76 (0.65-0.89)** | **0.73 (0.62-0.85)** | **0.76 (0.64-0.89)** | **0.70 (0.59-0.82)** |
| **Locations of residence** |
| Urban | 1.00 | 1.00 | 1.00 | 1.00 |
| Rural | **1.68 (1.36-2.04)** | **1.57 (1.28-1.92)** | **1.78 (1.45-2.19)** | **1.54 (1.26-1.89)** |
| **Geographical Area** |
| Atlantic/Quebec | 1.00 | 1.00 | 1.00 | 1.00 |
| Ontario | **0.36 (0.28-0.45)** | **0.40 (0.31-0.51)** | **0.36 (0.29-0.46)** | **0.39 (0.30-0.50)** |
| Manitoba/ Saskatchewan | **0.36 (0.28-0.46)** | **0.41 (0.32-0.52)** | **0.43 (0.34-0.55)** | **0.44 (0.35-0.57)** |
| Alberta | **0.29 (0.23-0.38)** | **0.33 (0.25-0.43)** | **0.34 (0.27-0.43)** | **0.37 (0.29-0.48)** |
| British Columbia | **0.59 (0.48-0.74)** | **0.62 (0.49-0.78)** | **0.66 (0.53-0.82)** | **0.65 (0.52-0.81)** |
| **Income** |
| ≥ 85,000 | 1.00 | 1.00 | 1.00 | 1.00 |
| 65-84,999 | **0.78 (0.62-0.98)** | **0.77 (0.62-0.97)** | **0.77 (0.62-0.97)** | **0.78 (0.63-0.98)** |
| 45-64,999 | **1.39 (1.14-1.69)** | **1.57 (1.28-1.95)** | **1.41 (1.16-1.71)** | **1.58 (1.28-1.95)** |
| 25-44,999 | **2.32 (1.91-2.82)** | **2.19 (1.79-2.69)** | **2.54 (2.05-3.14)** | **2.41 (1.94-3.00)** |
| ≤ 25,000 | 1.25 (0.97-1.62) | 1.16 (0.90-1.51) | 1.15 (0.89-1.49) | 1.11 (0.86-1.44) |
| **Parent Education** |
| Completed university certificate/diploma/degree | 1.00 | 1.00 | 1.00 | 1.00 |
| Completed college/non-university certificate/diploma | 1.18 (0.86-1.62) | 1.21 (0.87-1.68) | 1.37 (0.97-1.94) | 1.41 (1.00-1.99) |
| Completed some post-secondary/ diploma | 1.17 (0.93-1.47) | 1.20 (0.96-1.50) | **1.30 (1.03-1.64)** | **1.27 (1.01-1.60)** |
| Completed High school | **1.77 (1.45-2.17)** | **1.68 (1.38-2.05)** | **2.00 (1.63-2.44)** | **1.86 (1.52-2.27)** |
| Completed Some high school | **1.28 (1.05-1.57)** | **1.19 (0.96-1.48)** | **1.46 (1.18-1.80)** | **1.34 (1.06-1.68)** |
| **BMI (kg/m2)** |
| Neither overweight nor obese | 1.00 | 1.00 | 1.00 | 1.00 |
| Overweight | **1.74 (1.40-2.16)** | **1.58 (1.27-1.97)** | **1.52 (1.21-1.92)** | **1.51 (1.21-1.88)** |
| Obese | **1.87 (1.53-2.30)** | **1.69 (1.37-2.08)** | **1.67 (1.36-2.04)** | **1.56 (1.27-1.93)** |
| **Residential school attendance** |
| No | 1.00 | 1.00 | 1.00 | 1.00 |
| Yes | **1.35 (1.19-1.54)** | **1.16 (1.01-1.33)** | **1.34 (1.17-1.55)** | **1.17 (1.01-1.34)** |
| **Asthma** |
| No | - |  | - |  |
| Yes | - | **5.95 (5.19-6.81)** | - | **4.70 (4.04-5.47)** |
| **Allergies** |
| No | - | - | 1.00 | 1.00 |
| Yes | - | - | **3.76 (3.26-4.33)** | **2.42 (2.05-2.86)** |
| **Interactions** |
| (**Sex\*BMI**) |  |  |  |  |
| Girls who are overweight | **0.49 (0.34-0.69)** | **0.51 (0.34-0.74)** | **0.51 (0.35-0.76)** | **0.50 (0.34-0.74)** |
| Girls who are obese | **0.31 (0.23-0.44)** | **0.41 (0.34-0.67)** | **0.40 (0.28-0.55)** | **0.47 (0.34-0.67)** |
| (**Sex\*Residence**) |  |  |  |  |
| Girls who live in urban areas | **0.40 (0.28-0.57)** | **0.34 (0.23-0.51)** | **0.32 (0.22-0.48)** | **0.33 (0.21-0.50)** |