Supplementary Table: Associations between each asthma knowledge of self-management education curriculum component by gender, race/ethnicity, age, parental education attainment and income level among children (aged <18 years) with current asthma1, Asthma Call Back Survey 2015-2017

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Given an action plan** | **Taken a course to learn how to manage asthma** | **Taught to recognize early signs or symptoms** | **Taught to respond to an asthma episode** | **Taught to use peak flow** | **Advised to change home environment** |
| **Characteristic** | **Unadjusted PR2** **(95% CI)3** | **Unadjusted PR2 (95% CI)3** | **Unadjusted PR2 (95% CI)3** | **Unadjusted PR2 (95% CI)3** | **Unadjusted PR2 95% CI)3** | **Unadjusted PR2 (95% CI)3** |
| **Sex at birth** |  |  |  |  |  |  |
|  Female | Referent | Referent | Referent | Referent | Referent | Referent |
|  Male | **1.18****(1.02-1.37)** | 0.89(0.61-1.29) | 1.06(0.97-1.17) | 1.05(0.97-1.13) | 1.06(0.87-1.28) | 1.11(0.91-1.35) |
| **Age Group**  |  |  |  |  |  |  |
| 0-4 years | Referent | Referent | Referent | Referent | Referent | Referent |
| 5-11 years | 1.22(0.98-1.53) | 1.42(0.80-2.51) | 1.00(0.89-1.13) | 1.05(0.95-1.16) | 1.30(0.90-1.89) | 0.94(0.70-1.26) |
| 12-17 years | 1.01(0.80-1.27) | 1.21(0.69-2.10) | 1.00(0.89-1.13) | 1.00(0.90-1.11) | **1.75****(1.24-2.49)** | 1.01(0.76-1.34) |
| **Race/Ethnicity** |  |  |  |  |  |  |
| Non-Hispanic White | Referent | Referent | Referent | Referent | Referent | Referent |
| Non-Hispanic Black  | **1.29****(1.09-1.52)** | **2.10****(1.32-3.33)** | 0.99(0.90-1.10) | 1.03(0.94-1.12) | 1.17(0.91-1.51) | 1.26(0.96-1.65) |
| Non-Hispanic, Other Race  | 1.15(0.91-1.44) | **1.92****(1.02-3.62)** | 0.94(0.83-1.08) | 0.99(0.88-1.10) | 1.02(0.74-1.43) | 0.99(0.69-1.41) |
| Hispanic | 1.03(0.85-1.25) | **1.90****(1.22-2.96)** | 0.89(0.78-1.00) | 0.92(0.84-1.01) | 1.09(0.87-1.37) | **1.29****(1.03-1.62)** |
| **Household Income**  |  |  |  |  |  |  |
| <$25,000  | 0.98(0.83-1.16) | 1.25(0.81-1.93) | **0.87****(0.77-0.97)** | **0.90****(0.82-0.98)** | **1.25****(1.00-1.56)** | 1.21(0.96-1.53) |
| $25,000-<$50,000  | 0.93(0.76-1.12) | 0.91(0.54-1.53) | 0.94(0.84-1.06) | 0.97(0.89-1.06) | 1.11(0.87-1.42) | 1.25(0.97-1.62) |
| ≥$50,000 | Referent | Referent | Referent | Referent | Referent | Referent |
| Missing | 0.96(0.74-1.24) | 0.92(0.49-1.73) | 1.03(0.94-1.13) | 0.97(0.89-1.06) | 1.29(0.91-1.82) | 1.30(0.92-1.86) |
| **Parent or guardian education attainment** |  |  |  |  |  |  |
| Did not graduate high school | 0.87(0.63-1.20) | 1.61(0.82-3.16) | 0.88(0.73-1.07) | 0.93(0.82-1.06) | 1.03(0.73-1.47) | 1.06(0.72-1.56) |
| Graduated high school | 0.90(0.75-1.08) | 1.10(0.67-1.80) | 0.91(0.80-1.01) | 0.90(0.81-1.00) | 1.22(0.97-1.53) | 1.04(0.81-1.35) |
| Attended college | 1.00(0.85-1.18) | 1.15(0.73- 1.80) | 1.03(0.95-1.12) | 0.99(0.92-1.06) | **1.26****(1.01-1.56)** | **1.26****(1.01-1.56)** |
| Graduated college | Referent | Referent | Referent | Referent | Referent | Referent |

1Respondents with a “yes” answer to both questions: 1) Has a doctor, nurse or other health professional ever told you that you had asthma? and 2) Do you still have asthma?

2 Unadjusted Prevalence Ratio

3Confidence Interval