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