**Supplemental table 1. Duration and proportion of respiratory symptoms reported during ARIs without co-detection (n=508) in the PREVAIL cohort (n=245), by respiratory virus (subtype combined)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Adenovirus (n=34)** | **Bocavirus (n=18)** | **Endemic Coronavirus (n=47)** | **Influenza virus (n=20)** | **Human Meta-pneumovirus (n=28)** | **Parainfluenza virus (n=77)** | **Rhino/ enterovirus (n=220)** | **RSV (n=64)** |
| Median days of ARI (IQR) | 5 (3-7) | 5 (3-10) | 5 (3-7.5) | 5 (3-7) | 7 (5-10)a | 5 (3.5-9)c | 5 (3-8)b | 7 (5-10)a,c |
| Isolated cough | 3 (9%) | 9 (50%) | 19 (40%) | 3 (15%) | 17 (61%) | 37 (48%) | 118 (54%) | 26 (41%) |
| Isolated fever | 12 (35%) | 1 (6%) | 9 (19%) | 1 (5%) | 1 (4%) | 6 (8%) | 25 (11%) | 2 (3%) |
| Cough AND fever | 14 (41%) | 5 (44%) | 15 (32%) | 14 (70%) | 8 (29%) | 30 (39%) | 66 (30%) | 33 (54%) |
| Cough AND earache | 9 (26%) | 2 (11%) | 4 (9%) | 5 (25%) | 4 (14%) | 7 (9%) | 24 (11%) | 21 33%) |
| Fever AND earache | 8 (24%) | 2 (11%) | 4 (9%) | 5 (25%) | 2 (7%) | 3 (4%) | 21 (10%) | 18 (28%) |
| Cough AND earache AND fever | 6 (18%) | 2 (11%) | 2 (4%) | 4 (20%) | 2 (7%) | 3 (4%) | 17 (8%) | 18 (28%) |
| a Significantly different from duration of ARI secondary to Adenovirus using Kruskal-Wallis (*p* < 0.05)  b Significantly different from duration of ARI secondary to Bocavirus using Kruskal-Wallis (*p* < 0.05)  c Significantly different from duration of ARI secondary to Endemic Coronaviruses using Kruskal-Wallis (*p* < 0.05) | | | | | | | | |

**Supplemental table 2. Demographic characteristics of mother-infant pairs enrolled in the PREVAIL cohort, by full cohort (n=245) vs highly-adherent cohort (n=101)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Characteristics** | | **Full**  **n (%)** | **Highly-adherent a**  **n (%)** |
| **Maternal age** | |  |  |
|  | 18-24 years | 50 (20.4%) | 7 (6.9%) |
|  | 25-34 years | 155 (63.3%) | 69 (68.3%) |
|  | ≥ 35 years | 40 (16.3%) | 25 (24.8%) |
| **Maternal race** | |  |  |
|  | White | 127 (51.8%) | 79 (78.2%) |
|  | Non-white | 118 (48.2%) | 22 (21.8%) |
| **Insurance** | |  |  |
|  | Public | 139 (56.7%) | 23 (22.8%) |
|  | Private | 106 (43.3%) | 78 (77.2%) |
| **Marital status** | |  |  |
|  | Married/partnered | 163 (66.5%) | 87 (86.1%) |
|  | Single | 82 (33.5%) | 14 (13.9%) |
| **Maternal education** | |  |  |
|  | Less than high school or high school graduate | 115 (47.0%) | 18 (17.8%) |
|  | Associate/trade or college graduate | 130 (53.0%) | 83 (82.2%) |
| **Annual household income** | |  |  |
|  | <US $25,000 | 78 (31.8%) | 11 (10.9%) |
|  | US $25,000-US $49,999 | 49 (20.0%) | 10 (9.9%) |
|  | ≥US $50,000 | 106 (43.3%) | 78 (77.2%) |
|  | Unknown | 12 (4.9%) | 2 (2.0%) |
| **Infant sex** | |  |  |
|  | Female | 127 (51.8%) | 46 (45.5%) |
|  | Male | 118 (48.2%) | 55 (54.5%) |
| a Highly-adherent refers to participants who submitted at least 70% of eligible weekly samples and were followed to at least 18 months of age | | | |

**Supplemental Figure 1. Seasonality of respiratory viruses, with number of positive respiratory viral swabs (solid) compared with number of total swabs submitted (empty bars) in the PREVAIL cohort (n=245), by respiratory virus**

**Supplemental Figure 2. Symptomatology of viral infections without co-detections (n=1470) in the PREVAIL cohort (n=245), by respiratory virus (subtype combined).**

\*Presence of earache, vomiting, and diarrhea were only ascertained if participants reported presence of fever or cough during weekly text surveys