**Supplemental Digital Content 6.** Likelihood of having each of detected respiratory pathogens in infants with severe bronchiolitis, by U.S. census region

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   | **Northeast** | **Midwest** | **South** | **West** | **P-value** |
| Detected pathogens | n=562 (19.3%) | n=469 (16.1%) | n=1228 (42.2%) | n=653 (22.4%) |   |
| **Five most commonly detected pathogens** |  |  |  |
| RSV | 435 (77.4) | 365 (77.8) | 937 (76.3) | 491 (75.2) | 0.72 |
|  RSV-A | 299 (53.2) | 243 (51.8) | 607 (49.4) | 266 (40.7) | <0.001 |
|  RSV-B | 138 (24.6) | 125 (26.7) | 337 (27.4) | 229 (35.1) | <0.001 |
| Rhinovirus | 133 (23.7) | 102 (21.7) | 304 (24.8) | 154 (23.6) | 0.64 |
| Coronavirus | 48 (8.5) | 39 (8.3) | 74 (6.0) | 39 (6.0) | 0.10 |
| NL63 | 14 (2.5) | 15 (3.2) | 13 (1.1) | 14 (2.1) | 0.01 |
| OC43 | 19 (3.4) | 12 (2.6) | 25 (2.0) | 12 (1.8) | 0.27 |
| VHKU1 | 7 (1.2) | 6 (1.3) | 15 (1.2) | 6 (0.9) | 0.94 |
| 229E | 12 (2.1) | 6 (1.3) | 22 (1.8) | 9 (1.4) | 0.68 |
| Adenovirus | 27 (4.8) | 33 (7.0) | 82 (6.7) | 43 (6.6) | 0.39 |
| hMPV | 29 (5.2) | 23 (4.9) | 81 (6.6) | 41 (6.3) | 0.48 |
|  |  |  |  |  |  |
| **Less commonly-detected pathogens** |  |  |  |  |
| PIV | 16 (2.8) | 9 (1.9) | 35 (2.9) | 14 (2.1) | 0.64 |
| Type 1 | 5 (0.9) | 3 (0.6) | 4 (0.3) | 5 (0.8) | 0.35 |
| Type 2 | 4 (0.7) | 3 (0.6) | 5 (0.4) | 1 (0.2) | 0.43 |
| Type 3 | 7 (1.2) | 3 (0.6) | 26 (2.1) | 9 (1.4) | 0.15 |
| Enterovirus | 6 (1.1) | 7 (1.5) | 44 (3.6) | 10 (1.5) | 0.002 |
| Human bocavirus 1\* | 12 (2.1) | 5 (1.1) | 27 (2.2) | 7 (1.1) | 0.18 |
| Influenza virus | 11 (2.0) | 6 (1.3) | 15 (1.2) | 8 (1.2) | 0.63 |
| A | 7 (1.2) | 6 (1.3) | 5 (0.4) | 6 (0.9) | 0.12 |
| B | 4 (0.7) | 0 (0) | 6 (0.5) | 1 (0.2) | 0.20 |
| 2009 novel H1N1 | 0 (0) | 0 (0) | 4 (0.3) | 1 (0.2) | 0.54 |
| *Mycoplasma pneumoniae* | 8 (1.4) | 3 (0.6) | 12 (1.0) | 5 (0.8) | 0.61 |
| *Bordetella pertussis* | 0 (0) | 1 (0.2) | 2 (0.2) | 3 (0.5) | 0.39 |
| Data are no. (%) of infants. Percentages may not equal 100 because of coinfections. |  |
| Abbreviations: hMPV, human metapneumovirus; PIV, parainfluenza virus; RSV, respiratory syncytial virus |
| \* Measured in 2011-2014  |