Children hospitalized with influenza-associated pneumonia and bacterial co-infections, 2003-2008

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Season** | **Age** | **Underlying Medical Condition** | **Pathogen** | **Site** |
| 2003-04 | <1 mo | none | *Alpha hemolytic streptococcus\** | blood |
|   |  |  |  |   |
| 2003-04 | 1 yo | none | *S. aureus, methicillin susceptible* | blood |
|   |  |  |  |   |
| 2003-04 | 2 yo | none | *S. aureus, methicillin susceptible* | blood |
|   |  |  |  |   |
| 2003-04 | 4 yo | seizure disorder | *S. pneumoniae,* serotype 35B | blood |
|   |  |  |  |   |
| 2003-04 | 5 yo | none | *S. pneumoniae,* serotype 19A | blood, pleural fluid |
|   |  |  |  |   |
| 2003-04 | 6 mo | none | *S. aureus, methicillin resistant* | blood |
|   |   |   |  |   |
| 2004-05 | <1 mo | none | *S. aureus, methicillin susceptible* | blood |
|   |  |  |  |   |
| 2004-05 | 1 mo | none | *Group A streptococcus* | CSF |
|   |  |  |  |   |
| 2004-05 | 2 yo | none | *Group A streptococcus* | blood |
|   |  |  |  |   |
| 2004-05 | 2 yo | asthma | *S. aureus, methicillin susceptible* | blood |
|   |  |  |  |   |
| 2004-05 | 7 mo | asthma | *S. aureus, methicillin susceptible* | blood |
|   |  |  |  |   |
| 2004-05 | 8 yo | immunosuppressed | *Proprionibacterium\** | blood |
|   |   |   |  |   |
| 2005-06 | 2 yo | asthma | *S. pneumoniae,* serotype 3 | pleural fluid |
|   |  |  |  |   |
| 2005-06 | 2 yo | chronic lung disease, chronic metabolic disease | *S. pneumoniae,* serotype 19A | blood |
|   |  |  |  |   |
| 2005-06 | 3 mo | none | *S. aureus, methicillin susceptible* | blood |
|   |  |  |  |   |
| 2005-06 | 3 yo | renal disease, chronic lung disease | *S. epidermidis* | blood |
|   |   |   |  |   |
| 2006-07 | 1 mo | necrotizing entercolitis, chronic metabolic disease | *Klebsiella* | blood |
|   |   |   |  |   |
| 2007-08 | 1 yo | none | *S. pneumoniae,* serotype 7F | blood |
|   |  |  |  |   |
| 2007-08 | 12 yo | asthma | *E. faecalis* | blood |
|   |  |  |  |   |
| 2007-08 | 15 yo | developmental delay | *S. aureus, methicillin resistant* | blood |
|   |  |  |  |   |
| 2007-08 | 16 yo | asthma | *S. aureus, methicillin susceptible* | pleural fluid |
| \*Possible pathogens. |
| During the 2003-06 Influenza seasons, bacterial coinfection was defined as growth of a bacterial pathogen from a normally sterile site. During the 2006-08 Influenza seasons, the definition was expanded to include non-sterile sites such as endotracheal aspirates or sputum. Thus, in addition to the cases of invasive bacterial coinfection listed in the table above, two cases of bacterial coinfection with S. aureus were identified from 2006-08 (both from endotracheal tube aspirates).  |