

SNHD Pediatric Early Warning Sentinel Surveillance (PEWSS) Report: January 25, 2012

All Reporting Sites, Through the Week Ending January 21, 2012

The PEWSS reports are disseminated weekly by email, fax, and online at <http://www.southernnevadahealthdistrict.org/stats-reports/influenza.php>. For questions about PEWSS, please contact the SNHD Office of Epidemiology at 702.759.1300.

General Update

During the week ending January 21, 2012, the following viruses were identified through PEWSS with a high volume of testing (Fig. 1): Influenza A, Adenovirus, Human Metapneumovirus and RSV.

Over the past five weeks (Tables 1 & 2), the following were identified in the community through PEWSS: RSV has been circulating at high levels.

Adenovirus has been circulating at low levels.

Influenza A, Human Metapneumovirus and Parainfluenza 1 have been sporadically identified.

Influenza B, Parainfluenza 2 and Parainfluenza 3 have not been identified.

Table 1 - Testing Results, Current Week and Previous Four Weeks

| PCR Testing Results | Week Ending | | | | | | | | | | Interpretation For Past 5 Weeks |
|--------------------------------|-------------|-----|-------|-----|-----|-----|------|-----|------|-----|---|
| | 12/24 | | 12/31 | | 1/7 | | 1/14 | | 1/21 | | |
| | n | % | n | % | n | % | n | % | n | % | |
| All negative | 9 | 60% | 3 | 50% | 6 | 50% | 10 | 53% | 10 | 38% | Sporadic Not Detected Low Sporadic Sporadic Not Detected Not Detected High |
| Influenza A Positive | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 3 | 12% | |
| Influenza B Positive | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | |
| Adenovirus Positive | 4 | 27% | 0 | 0% | 2 | 17% | 1 | 5% | 1 | 4% | |
| Human Metapneumovirus Positive | 0 | 0% | 0 | 0% | 3 | 25% | 4 | 21% | 5 | 19% | |
| Parainfluenza 1 Positive | 1 | 7% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | |
| Parainfluenza 2 Positive | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | |
| Parainfluenza 3 Positive | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | |
| RSV Positive | 1 | 7% | 3 | 50% | 1 | 8% | 4 | 21% | 7 | 27% | |
| Coinfections | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | |
| Specimens Tested | 15 | - | 6 | - | 12 | - | 19 | - | 26 | - | High Volume |

Table 2 - Influenza A Typing, Current Week and Previous Four Weeks

| Influenza A Typing (% of influenza A) | Week Ending | | | | | | | | | | 5-Week Totals | |
|---------------------------------------|-------------|---|-------|---|-----|---|------|---|------|------|---------------|------|
| | 12/24 | | 12/31 | | 1/7 | | 1/14 | | 1/21 | | n | % |
| | n | % | n | % | n | % | n | % | n | % | | |
| Influenza A 2009 H1N1 | 0 | - | 0 | - | 0 | - | 0 | - | 0 | 0% | 0 | 0% |
| Influenza A H1 | 0 | - | 0 | - | 0 | - | 0 | - | 0 | 0% | 0 | 0% |
| Influenza A H3 | 0 | - | 0 | - | 0 | - | 0 | - | 3 | 100% | 3 | 100% |

Figure 1 - Weekly Number of Specimens Tested



