



**Southern Nevada Weekly Influenza
Surveillance Snapshot
CDC Week 3, Oct 1, 2017 to Jan 20, 2018**

Summary:

Influenza surveillance for Clark County, Nevada includes data collected from 15 local hospital emergency rooms and 63 healthcare providers. During week 3, the influenza activity increased in the United States and Nevada was one of thirty-nine states experienced high influenza-like illness (ILI) activity. In Clark County, as of 1/20/2018, the total number of confirmed cases of influenza during the season was 753, the percentage of emergency room (ER) visits for Influenza-like Illness (ILI) decreased from 5.5% in week 2 to 4.4% in week 3 but the percentage of area ER visits for ILI in children under 18 years of age increased from 34% in Week 2 to 49% in Week 3. Influenza A was the dominant type circulating. Sixteen influenza-associated deaths including three deaths of children under age eighteen occurred this season in Clark County. Southern Nevada Health District will continue to update the public on the progression of the season and encourage the population to get vaccinated.

Table 1: Influenza Report by Age Group, Clark County, NV (CDC Week 40, 2017 to Week 3, 2018)

| Age Group | Deaths | Hospitalized | Confirmed Cases* |
|-----------|--------|--------------|------------------|
| 0-4 | 1 | 19 | 25 |
| 05-17 | 2 | 16 | 29 |
| 18-24 | 1 | 23 | 27 |
| 25-49 | 1 | 76 | 108 |
| 50-64 | 3 | 117 | 147 |
| 65+ | 8 | 371 | 417 |
| Total | 16 | 622 | 753 |

Figure 1: Weekly Count of Reported Positive Influenza Tests by Test Type, Clark County, NV**

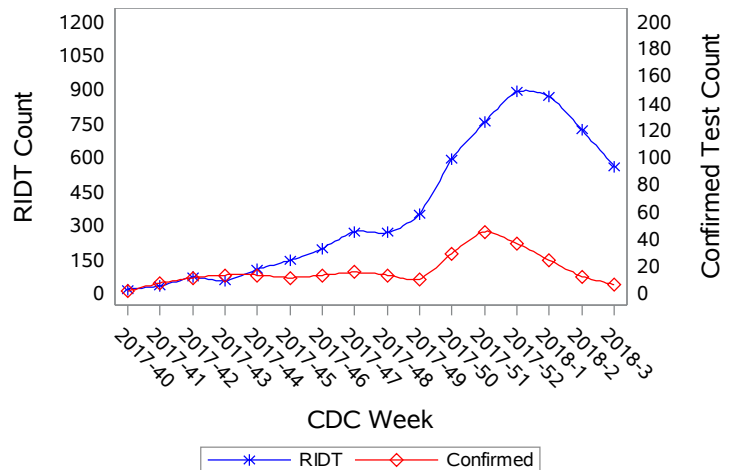


Table 2: Influenza Report by Virus Strain, Clark County, NV (CDC Week 40, 2017 to Week 3, 2018)

| Influenza Type | Hospitalized | Deaths | Confirmed Cases* |
|-----------------------------|--------------|--------|------------------|
| A (RIDT) | 482 | 9 | 482 |
| A (not sub-typed) | 96 | 2 | 204 |
| A (seasonal H3) | 14 | 3 | 24 |
| A/B undifferentiated (RIDT) | 1 | 0 | 1 |
| B (RIDT) | 28 | 1 | 28 |
| B (non-RIDT) | 1 | 1 | 14 |
| Total Confirmed Cases | 622 | 16 | 753 |

Figure 2: Distribution of Confirmed cases* by Virus Strain, Clark County, NV

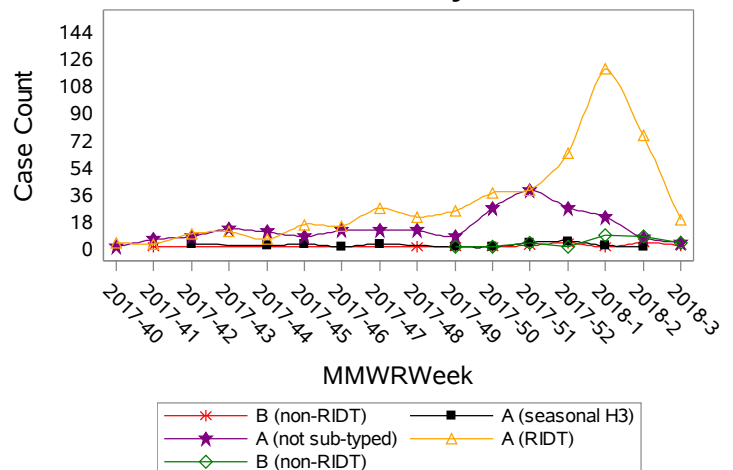


Figure 3: Weekly Percentage of Emergency Room Visits for Influenza-Like Illness, Clark County, NV

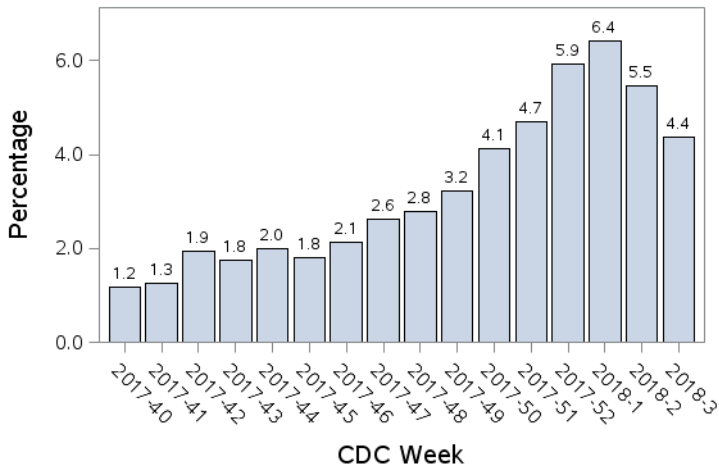


Figure 4: Age Distribution of Emergency Room Visits for Influenza-Like Illness, Clark County, NV

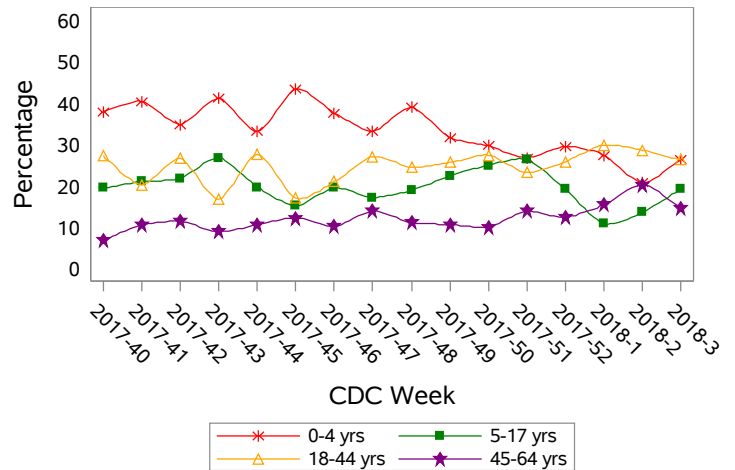
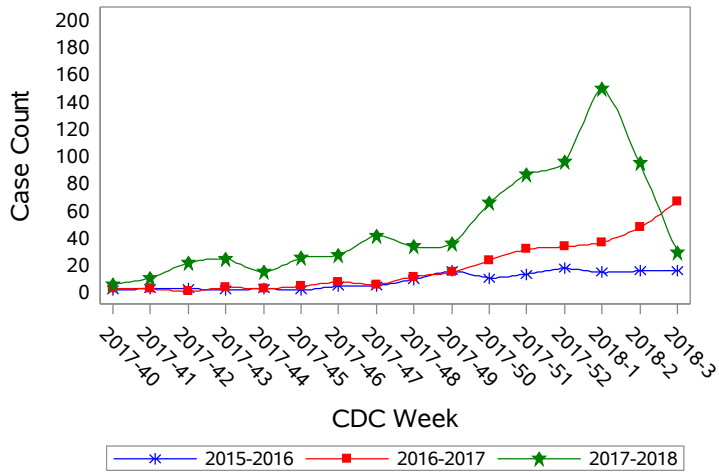
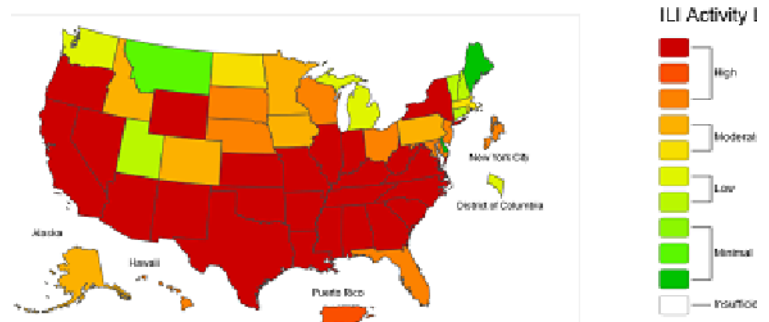


Figure 5: Seasonal Trends of Confirmed Cases of Influenza, Clark County, NV



Total Confirmed Cases*(Week 40 - 3):
 125 (2015-2016) 286 (2016-2017) 753 (2017-2018)

Figure 6: National ILI Activity Level- 2017-2018 Influenza Season CDC Week 3 ending Jan 20, 2018



*Confirmed Cases= Laboratory confirmed by PCR, culture, immunofluorescent DFA antigen staining, IHC staining, rapid influenza diagnostic tests (RIDTs) with hospitalizations for 24 hours or longer, or RIDTs with death.

**Test Type-RIDT: Rapid Influenza Diagnostic Test.

Test Type- Confirmed: PCR, Culture, Immunofluorescent DFA Staining.

Note: The total number of confirmed cases presented in this report is subject to changes due to possible delays in reporting and processing.

For additional information regarding SNHD influenza surveillance, please visit us at

<http://southernnevadahealthdistrict.org/stats-reports/influenza-surveillance.php>.

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