



**City of St. Louis Department of Health  
Weekly Influenza Surveillance Report  
2018-2019 Influenza Season  
Week 3 (01/13/19 – 01/19/2019)**



**Data Notes**

- Current data is provisional due to reporting delays.
- The 2018-2019 influenza season begins CDC Week 40 (week ending October 6, 2018) and ends CDC Week 20 (week ending May 18, 2019).
- Laboratory-positive influenza includes the following test methods: rapid influenza diagnostic tests (antigen), reverse transcriptase polymerase chain reaction (RT-PCR) and other molecular assays, immunofluorescence antibody staining (Direct (DFA) or Indirect (IFA)), or viral culture.
- Influenza-like illness (ILI) is defined by ILINet as fever (temperature of 100°F [37.8°C] or greater) and a cough and/or a sore throat without a known cause other than influenza. ILI is defined by ESSENCE as Emergency Department chief complaints for Influenza or (FeverPlus and (Cough or SoreThroat) and not NonILIFevers).

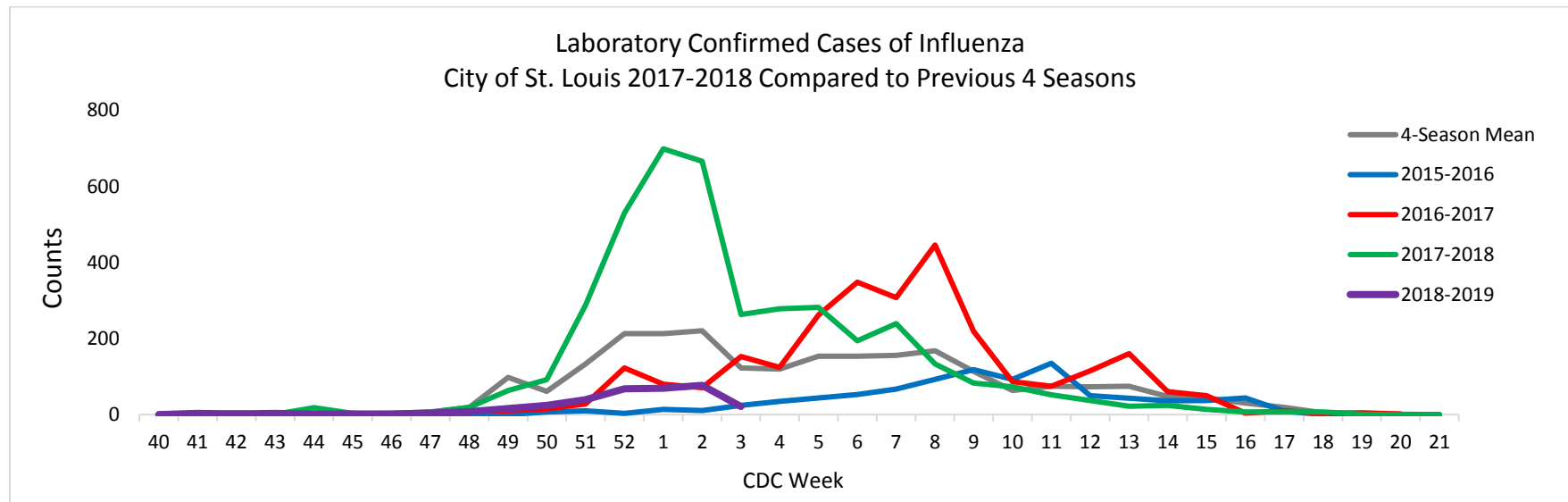


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There have been three hundred and thirty-nine (339) cases of influenza reported in the city since September 30, 2018. The following graphs compare the 2017-2018 influenza season to the 2018-2019 influenza season along with the previous four seasons.

**Figure 1: Number of Laboratory Confirmed Influenza Cases by Week**



**Table 1: Number of Laboratory Positive Influenza Cases by Influenza Type**

Influenza Type	Week 50	Week 51	Week 52	Week 1	Week 2	Week 3	2018-2019* Season-to-Date	Percentage
Influenza A	24	39	67	57	74	21	302	89%
Influenza B	0	0	1	12	3	0	37	11%
Influenza unknown /Untyped	0	0	0	0	0	0	0	0%
<b>Total</b>	<b>24</b>	<b>39</b>	<b>68</b>	<b>69</b>	<b>77</b>	<b>21</b>	<b>339</b>	<b>100%</b>

Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from January 13, 2019 through January 19, 2019.



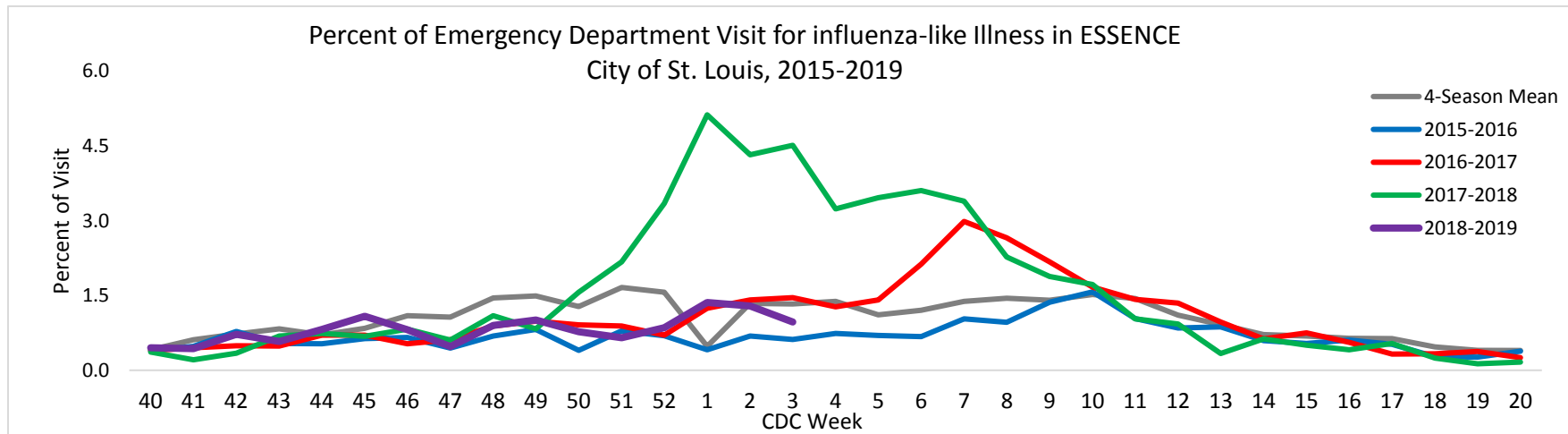
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**Table 2: Number of Laboratory Confirmed Influenza Cases by Age Group**

Age Group	Week 50	Week 51	Week 52	Week 1	Week 2	Week 3	2018-2019* Season-to-Date
0 to 4 years	10	8	25	18	8	7	<b>82</b>
5 to 14 years	9	10	6	10	6	3	<b>48</b>
15 to 24 years	0	3	3	2	3	1	<b>19</b>
25 to 49 years	2	8	24	20	31	6	<b>104</b>
50 to 64 years	2	9	7	14	20	4	<b>63</b>
65+ years	1	1	3	5	9	0	<b>23</b>
<b>Total</b>	<b>24</b>	<b>39</b>	<b>68</b>	<b>69</b>	<b>77</b>	<b>21</b>	<b>339</b>

**Figure 2: Percent of Emergency Department (ED) Visits for Influenza like Illness (ILI) In Essence**



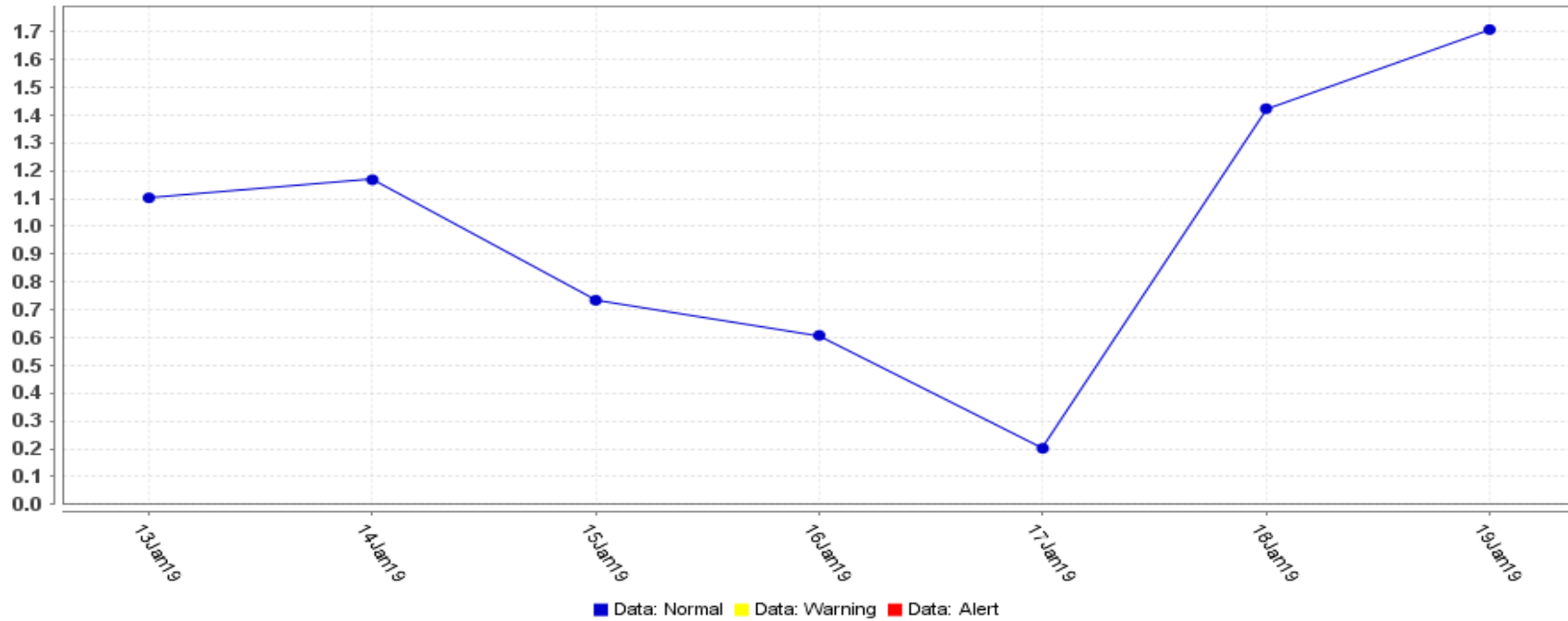
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**Figure 3: Daily Percentage of Emergency Department (ED) Visit for Influenza Like Illness**  
Daily Percent of Influenza-Like Illness



Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from January 13, 2019 through January 19, 2019.