



**City of St. Louis Department of Health  
Weekly Influenza Surveillance Report  
2018-2019 Influenza Season  
Week 1 (12/30/18 – 01/05/2019)**



**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 100o F [37.8oC] 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).

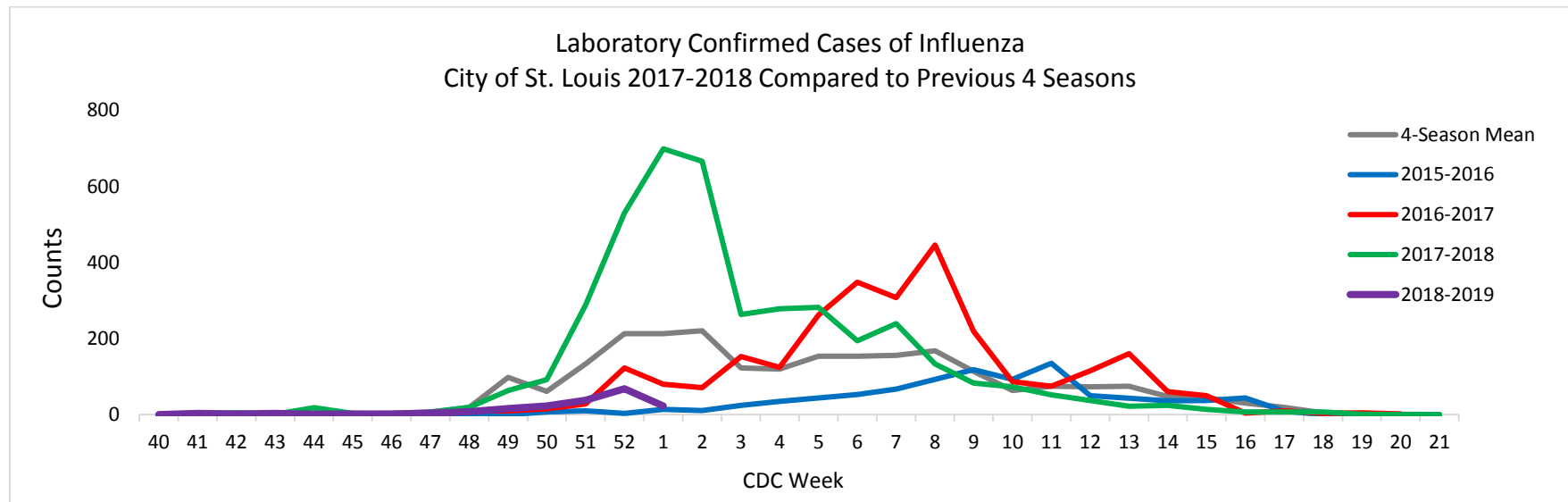


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There have been one hundred and ninety -three (193) cases of influenza reported in the city since September 30, 2018. The following graphs compare the 2017-2018 influenza season to the 2018-2019 influenza season along with the previous four seasons.

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



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

Influenza Type	Week 48	Week 49	Week 50	Week 51	Week 52	Week 1	2018-2019* Season-to-Date	Percentage
Influenza A	3	9	23	38	67	22	170	88%
Influenza B	5	7	0	0	1	1	23	12%
Influenza unknown /Untyped	0	0	0	0	0	0	0	0%
<b>Total</b>	<b>8</b>	<b>16</b>	<b>23</b>	<b>38</b>	<b>68</b>	<b>23</b>	<b>193</b>	<b>100%</b>

Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from December 30, 2018 through January 05 2019.



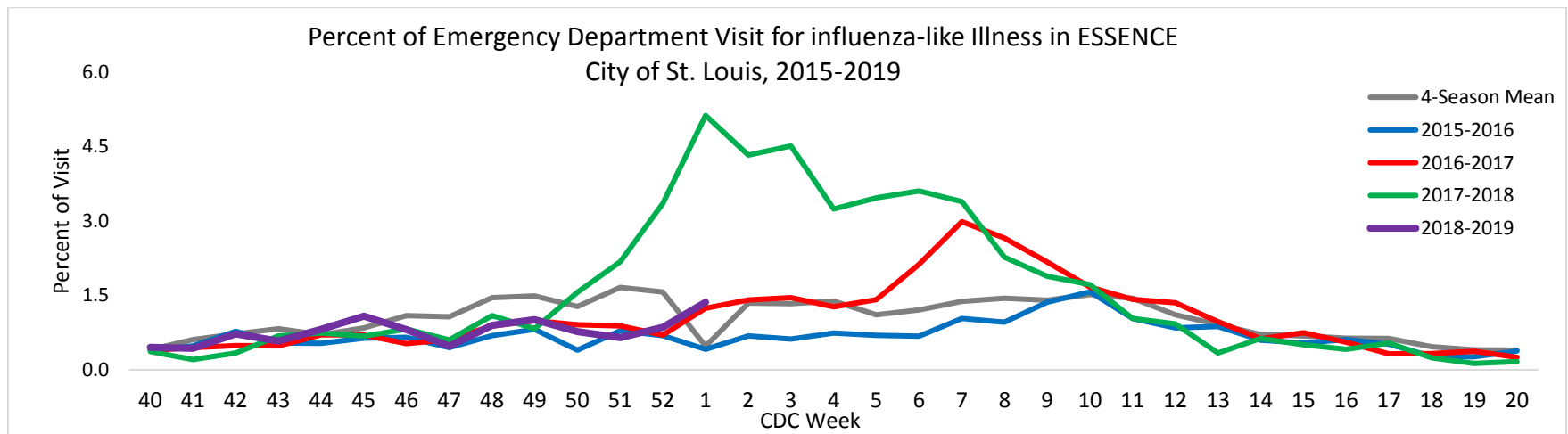
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**Table 2: Number of Laboratory Confirmed Influenza Cases by Age Group**

Age Group	Week 48	Week 49	Week 50	Week 51	Week 52	Week 1	2018-2019* Season-to-Date
0 to 4 years	0	4	10	8	25	0	<b>49</b>
5 to 14 years	1	2	9	10	6	0	<b>29</b>
15 to 24 years	3	2	0	3	3	1	<b>14</b>
25 to 49 years	1	4	2	7	24	13	<b>59</b>
50 to 64 years	2	3	1	9	7	7	<b>31</b>
65+ years	1	1	1	1	3	2	<b>11</b>
<b>Total</b>	<b>8</b>	<b>16</b>	<b>23</b>	<b>38</b>	<b>68</b>	<b>23</b>	<b>193</b>

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



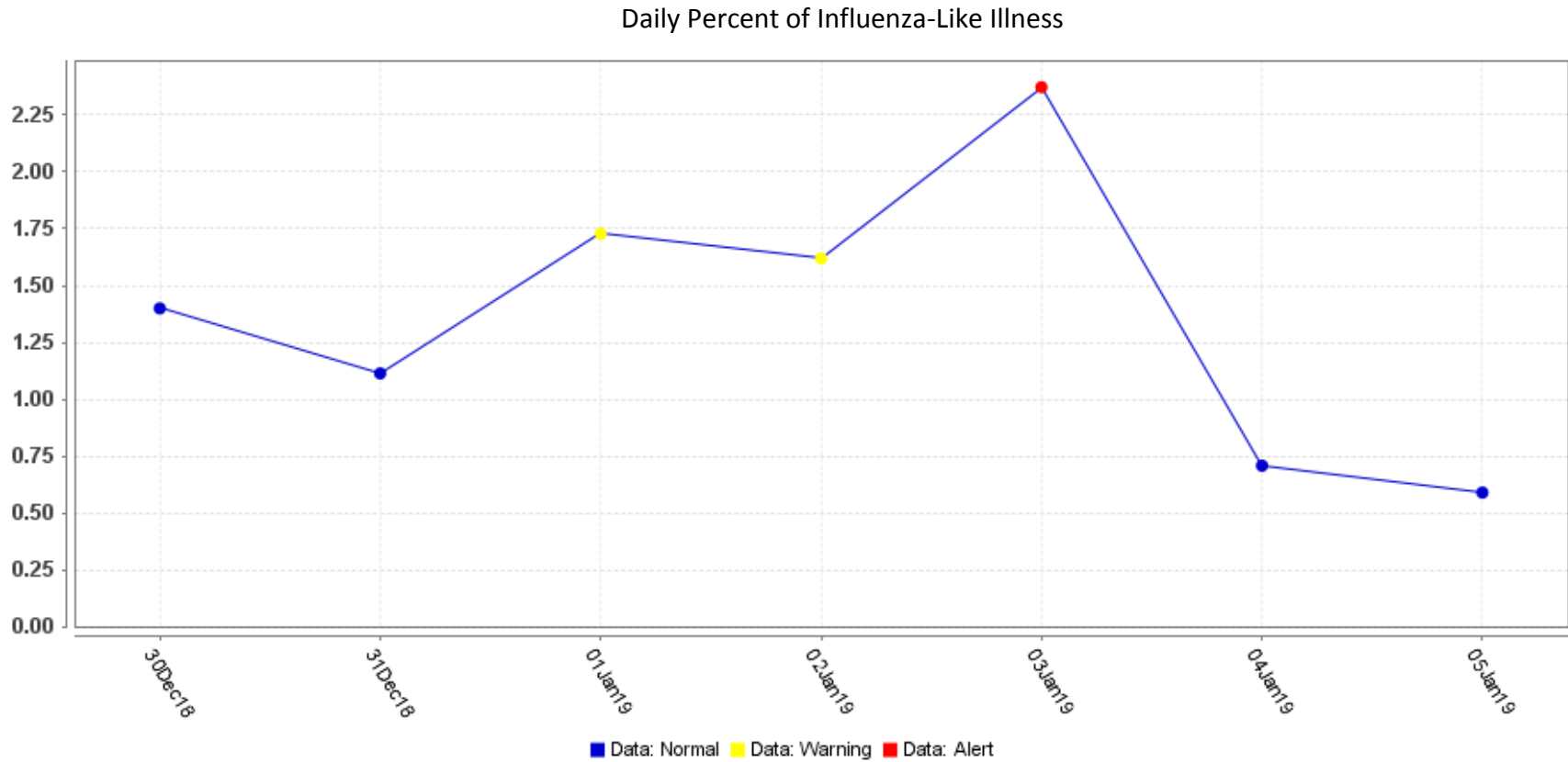
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Figure 3: Daily Percentage of Emergency Department (ED) Visit for Influenza Like Illness



Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from December 30, 2018 through January 05 2019.