



**City of St. Louis Department of Health  
Weekly Influenza Surveillance Report  
2018-2019 Influenza Season  
Week 42 (10/14/18 – 10/20/18)**



**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).

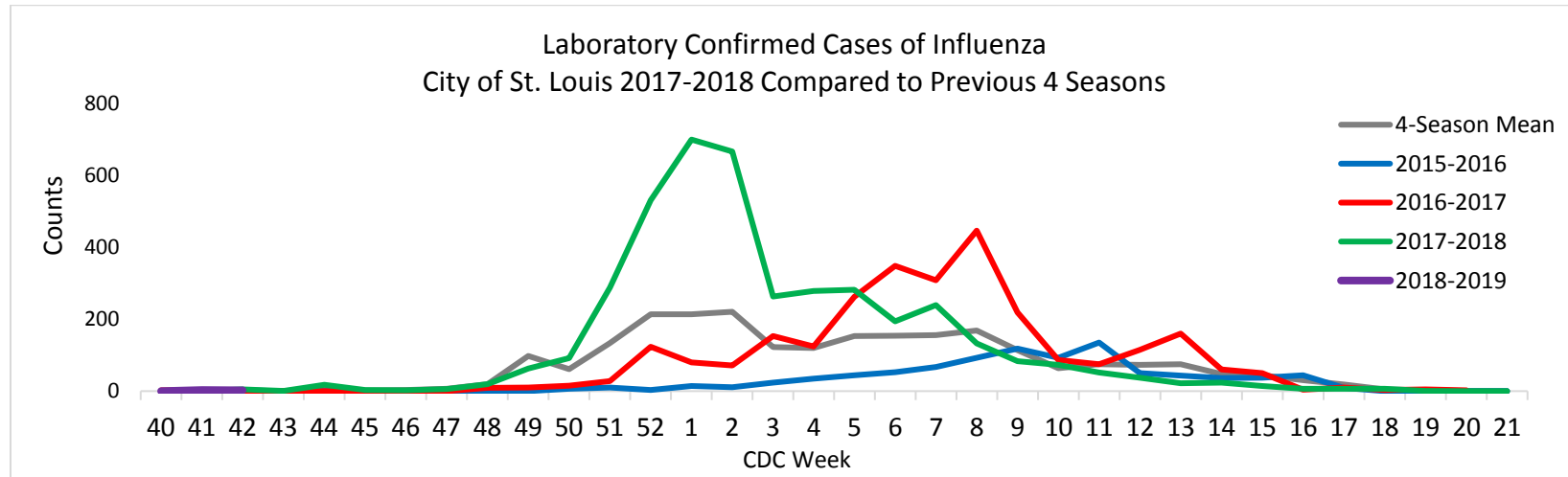


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There have been five cases of influenza reported in the city since September 30, 2018. The following graphs compare the 2017-2018 influenza season to the 2018-2019 influenza season along with the previous four seasons.

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



**Table 1: Number of laboratory positive Influenza Cases by Influenza Type**

Influenza Type	Week 40	Week 41	Week 42	2018-2019* Season-to-Date	Percentage
Influenza A	0	1	2	3	60%
Influenza B	0	2	0	2	40%
Influenza unknwn /Untyped	0	0	0	0	0%
<b>Total</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>100%</b>

Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from October 14, 2018 through October 20, 2018.



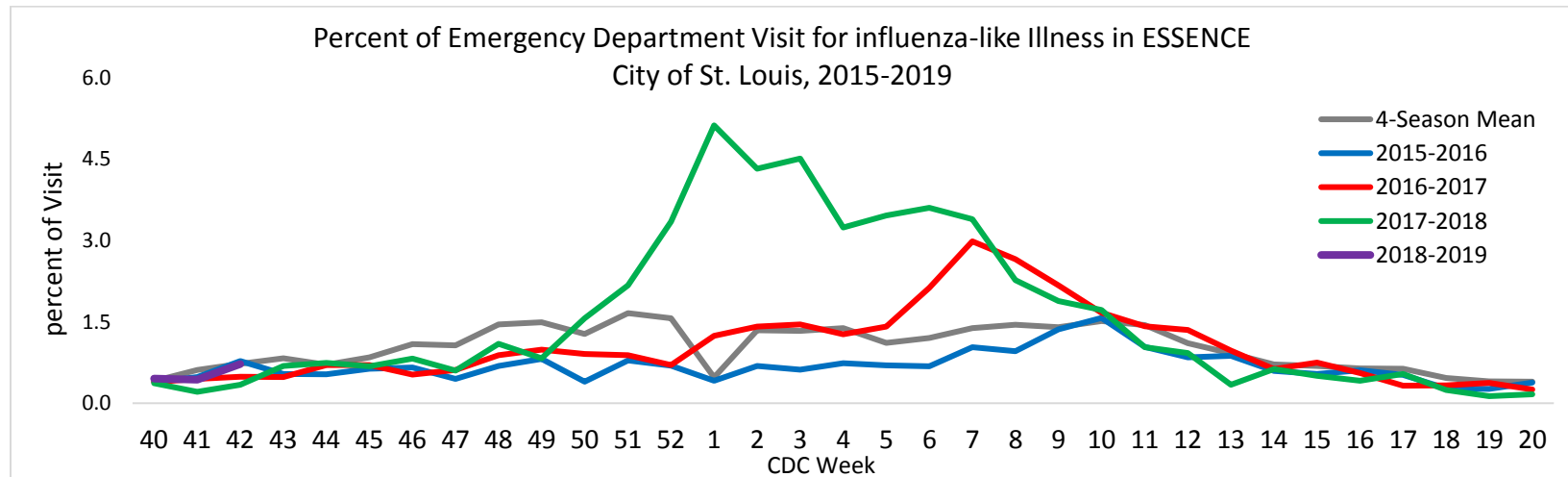
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**Table 2: Number of Laboratory Confirmed Influenza Cases by Age Group**

Age Group	Week 40	Week 41	Week 42	2018-2019* Season-to-Date
0 to 4 years	0	0	0	<b>0</b>
5 to 14 years	0	0	0	<b>0</b>
15 to 24 years	0	1	0	<b>1</b>
25 to 49 years	0	2	0	<b>2</b>
50 to 64 years	0	0	0	<b>0</b>
65+ years	0	0	2	<b>2</b>
<b>Total</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>5</b>

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



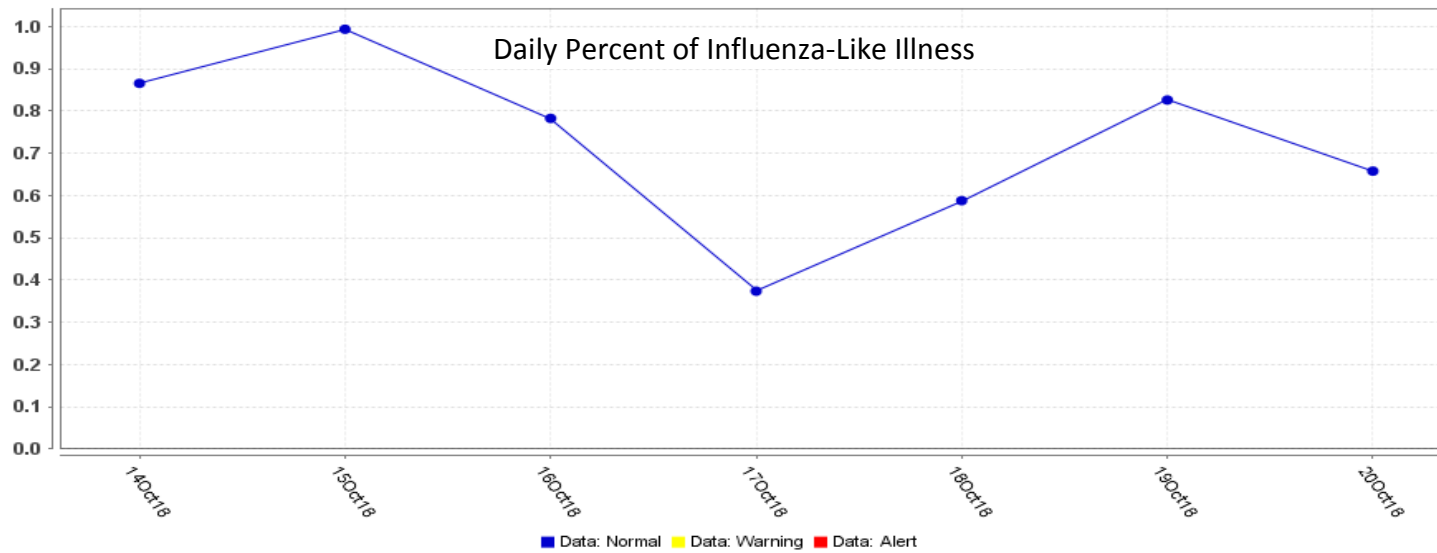
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Figure 3: Daily Percentage of Emergency Department (ED) Visit for Influenza like Illness



Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from October 14, 2018 through October 20, 2018.