



**City of St. Louis Department of Health
Weekly Influenza Surveillance Report
2018-2019 Influenza Season
Week 20 (05/12/2019 – 05/18/2019)**



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), however, influenza surveillance is year around.
- 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 One thousand six hundred and sixty-five (1,665) 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

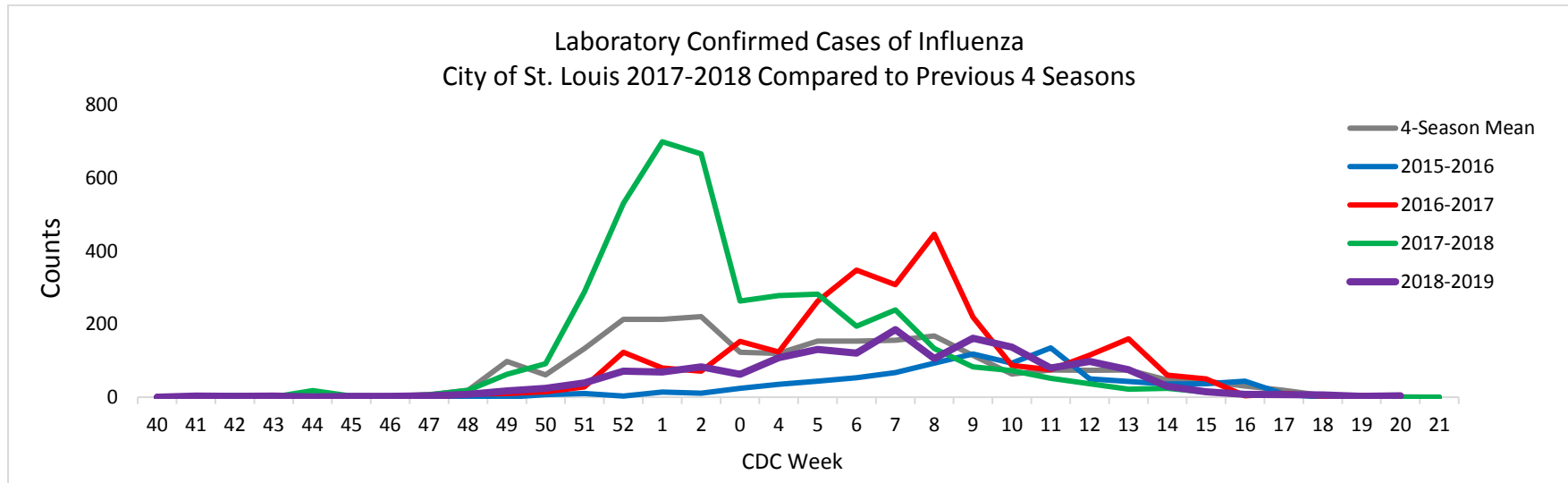


Table 1: Number of Laboratory Positive Influenza Cases by Influenza Type

Influenza Type	Week 16	Week 17	Week 18	Week 19	Week 20	2018-2019* Season-to-Date	Percentage
Influenza A	8	6	2	1	4	1607	97%
Influenza B	0	1	4	1	0	58	3%
Influenza unknown /Untyped	0	0	0	0	0	0	0%
Total	8	7	6	2	4	1,665	100%

Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from May 12, 2019 through May 19, 2019.



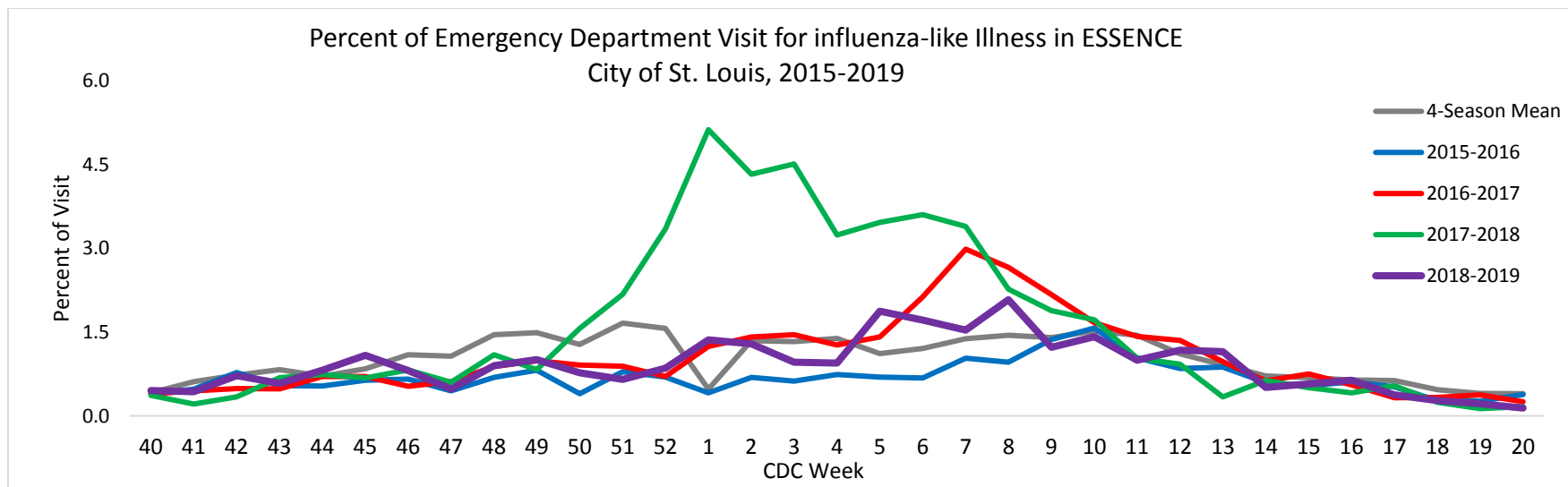
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Table 2: Number of Laboratory Confirmed Influenza Cases by Age Group

Age Group	Week 15	Week 16	Week 17	Week 18	Week 19	Week 20	2018-2019* Season-to-Date	Percentage
0 to 4 years	6	2	1	3	0	0	385	23%
5 to 14 years	3	0	2	0	0	0	278	17%
15 to 24 years	4	1	2	0	0	1	102	6%
25 to 49 years	1	2	0	1	2	2	461	28%
50 to 64 years	1	1	1	2	0	1	275	17%
65+ years	0	2	1	0	0	0	163	10%
Total	15	8	7	6	2	4	1,665	100%

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



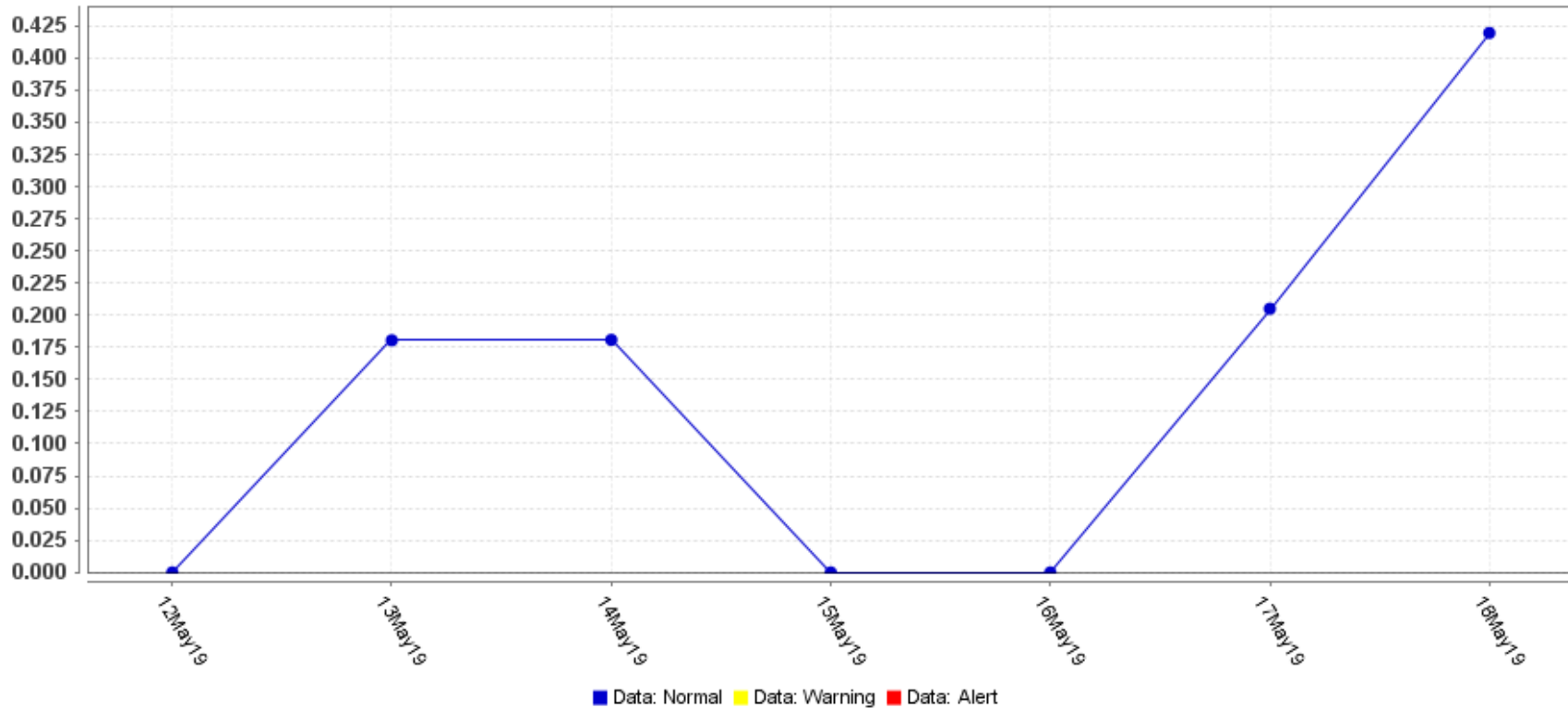
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Figure 3: Daily Percentage of Emergency Department (ED) Visit for Influenza-like Illness
Daily Percent of Influenza-like Illness



Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from May 12, 2019 through May 19, 2019.