



**City of St. Louis Department of Health
Weekly Influenza Surveillance Report
2018-2019 Influenza Season
Week 17 (04/21/2019 – 04/27/2019)**



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 one thousand six hundred and forty-nine (1,649) 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

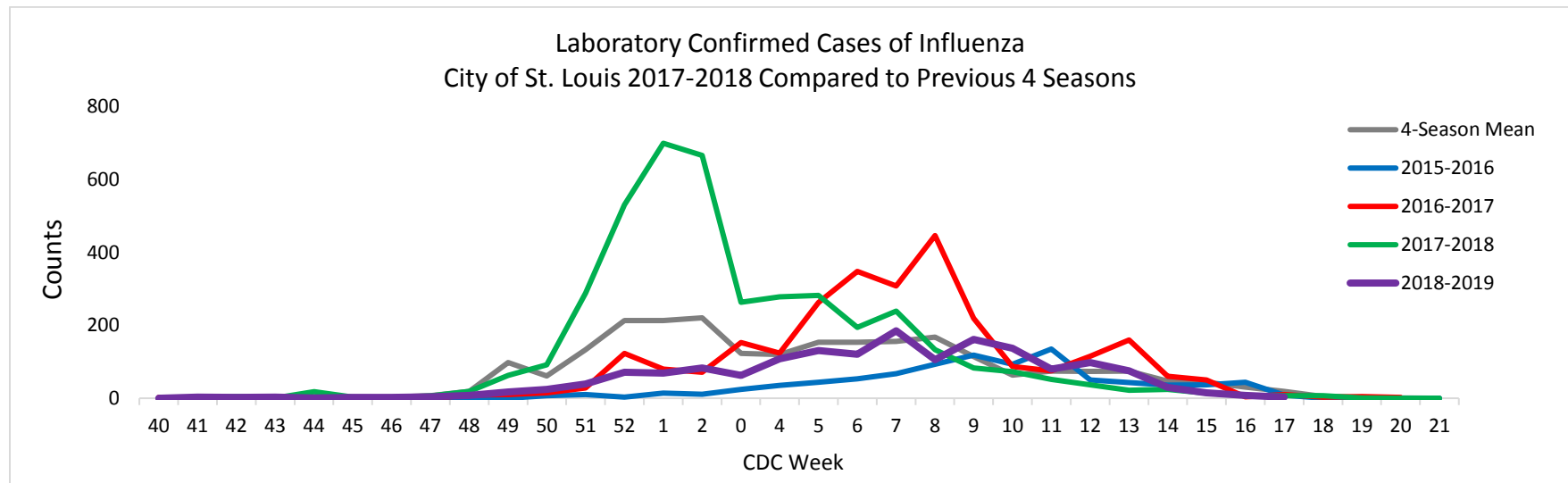


Table 1: Number of Laboratory Positive Influenza Cases by Influenza Type

Influenza Type	Week 12	Week 13	Week 14	Week 15	Week 16	Week 17	2018-2019* Season-to-Date	Percentage
Influenza A	95	73	29	14	8	3	1597	97%
Influenza B	3	2	1	1	0	0	52	3%
Influenza unknown /Untyped	0	0	0	0	0	0	0	0%
Total	98	75	30	15	8	3	1,649	100%

Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from April 21, 2019 through April 27, 2019.



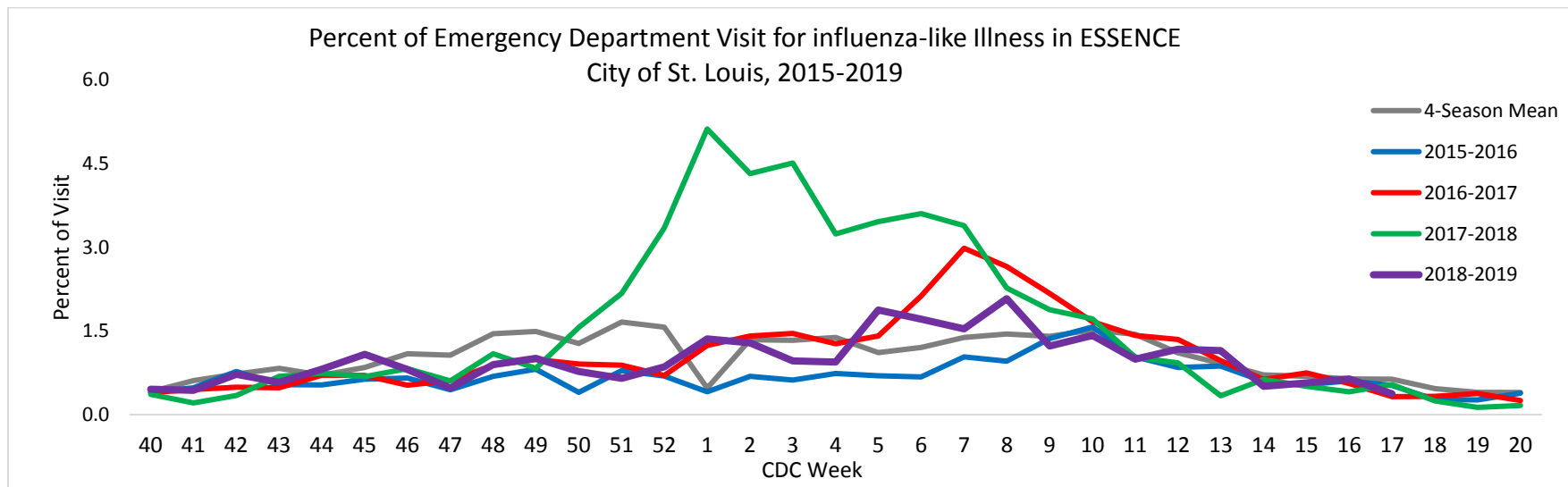
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Table 2: Number of Laboratory Confirmed Influenza Cases by Age Group

Age Group	Week 12	Week 13	Week 14	Week 15	Week 16	Week 17	2018-2019* Season-to-Date	Percentage
0 to 4 years	26	6	6	6	2	1	382	23%
5 to 14 years	12	11	5	3	0	1	277	17%
15 to 24 years	6	6	6	4	1	1	100	6%
25 to 49 years	28	23	6	1	2	0	457	28%
50 to 64 years	14	12	4	1	1	0	271	16%
65+ years	12	17	3	0	2	0	162	10%
Total	98	75	30	15	8	3	1,649	100%

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



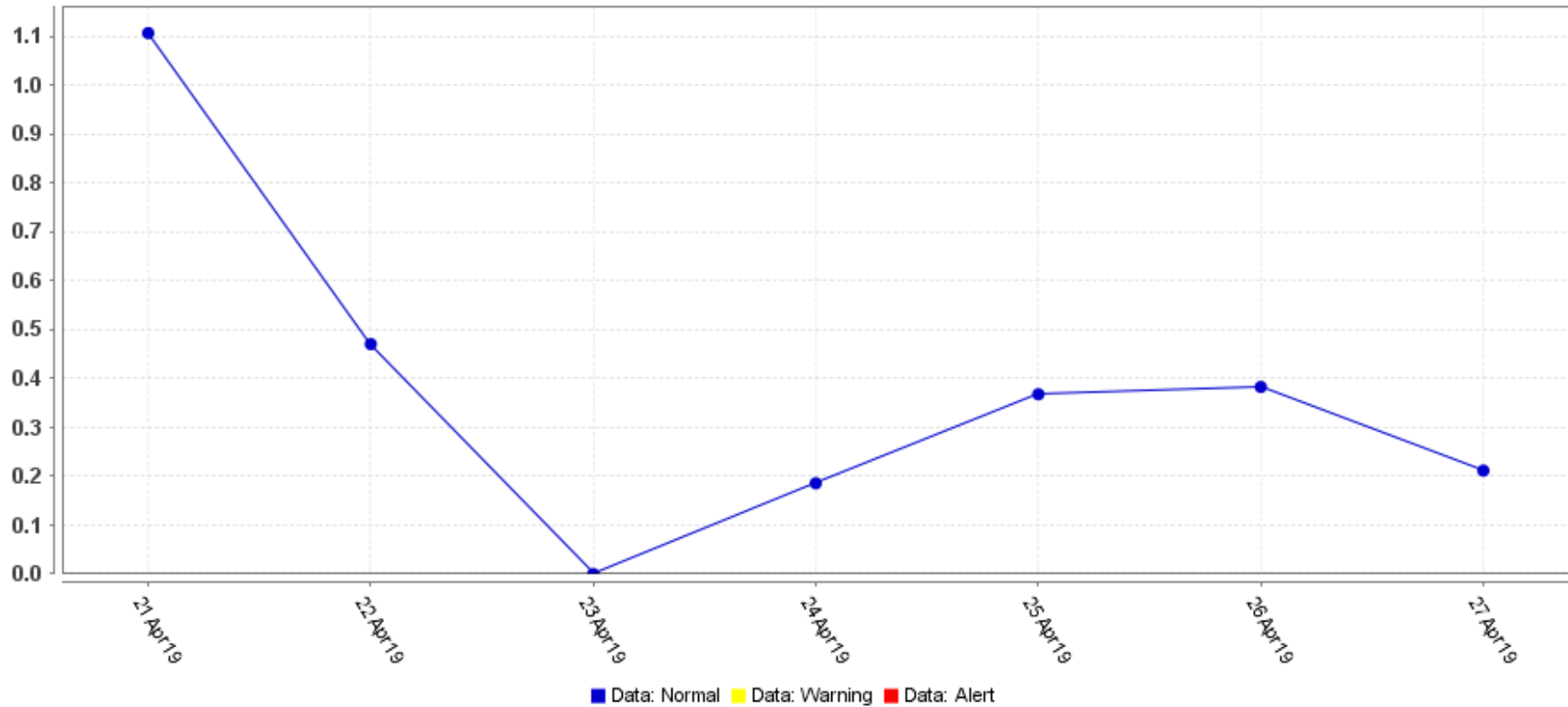
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Figure 3: Daily Percentage of Emergency Department (ED) Visit for Influenza-like Illness
Daily Percent of Influenza-like Illness



Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from April 21, 2019 through April 27, 2019.