



**City of St. Louis Department of Health
Weekly Influenza Surveillance Report
2018-2019 Influenza Season
Week 6 (02/03/19 – 02/09/2019)**



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 six hundred and ninety-nine (699) 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

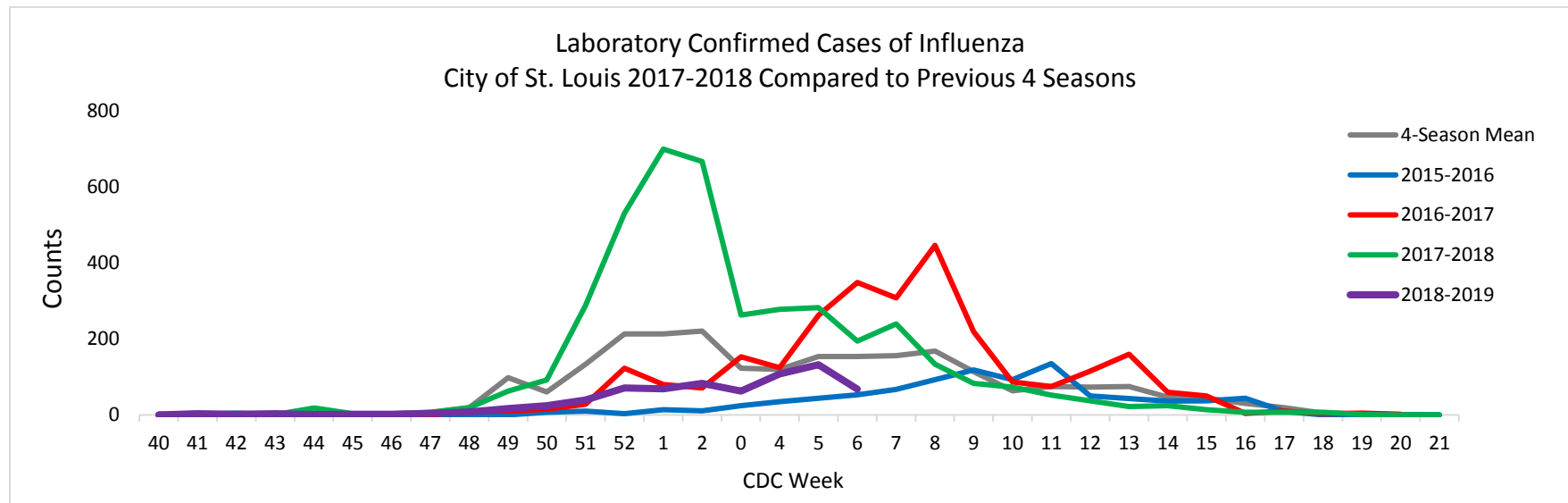


Table 1: Number of Laboratory Positive Influenza Cases by Influenza Type

Influenza Type	Week 2	Week 3	Week 4	Week 5	Week 6	2018-2019* Season-to-Date	Percentage
Influenza A	80	60	107	131	68	667	95%
Influenza B	3	3	1	1	0	32	5%
Influenza unknown /Untyped	0	0	0	0	0	0	0%
Total	83	63	108	132	68	699	100%

Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from February 03, 2019 through February 9, 2019.



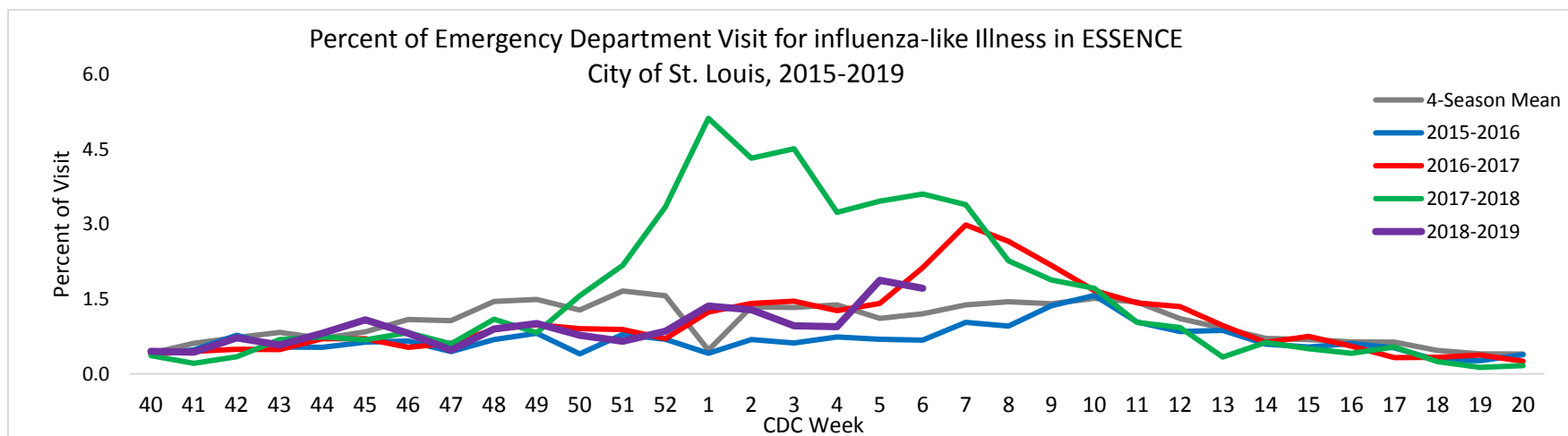
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Table 2: Number of Laboratory Confirmed Influenza Cases by Age Group

Age Group	Week 2	Week 3	Week 4	Week 5	Week 6	2018-2019* Season-to-Date
0 to 4 years	8	24	29	27	12	167
5 to 14 years	6	9	7	26	15	102
15 to 24 years	3	3	5	5	7	38
25 to 49 years	33	17	32	62	13	227
50 to 64 years	24	6	25	5	17	115
65+ years	9	4	10	7	4	50
Total	83	63	108	132	68	699

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



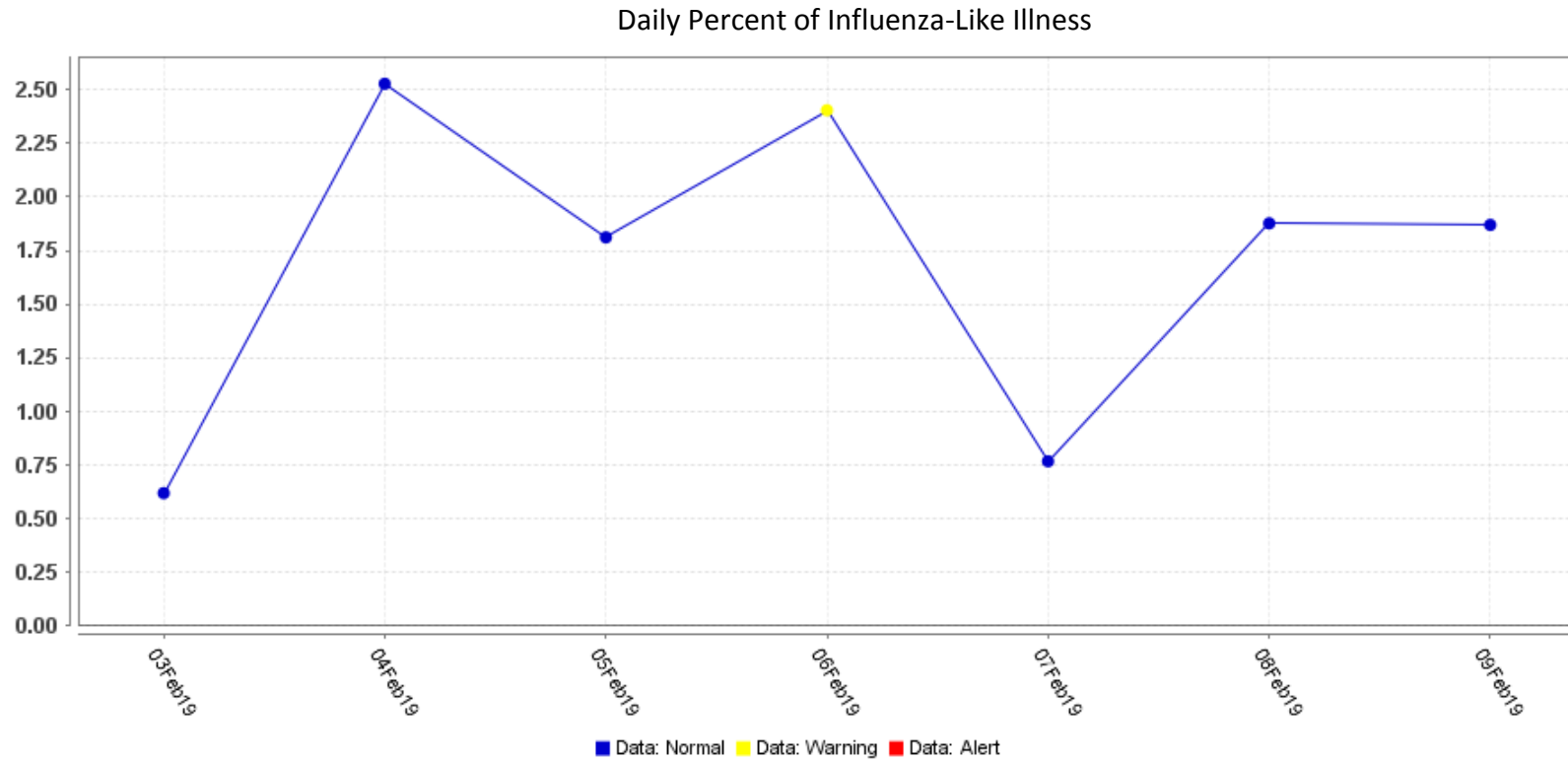
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Figure 3: Daily Percentage of Emergency Department (ED) Visits for Influenza-like Illness



Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from February 03, 2019 through February 9, 2019.