



**City of St. Louis Department of Health
Weekly Influenza Surveillance Report
2018-2019 Influenza Season
Week 4 (01/20/19 – 01/26/2019)**



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 four hundred and twenty-four (424) 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

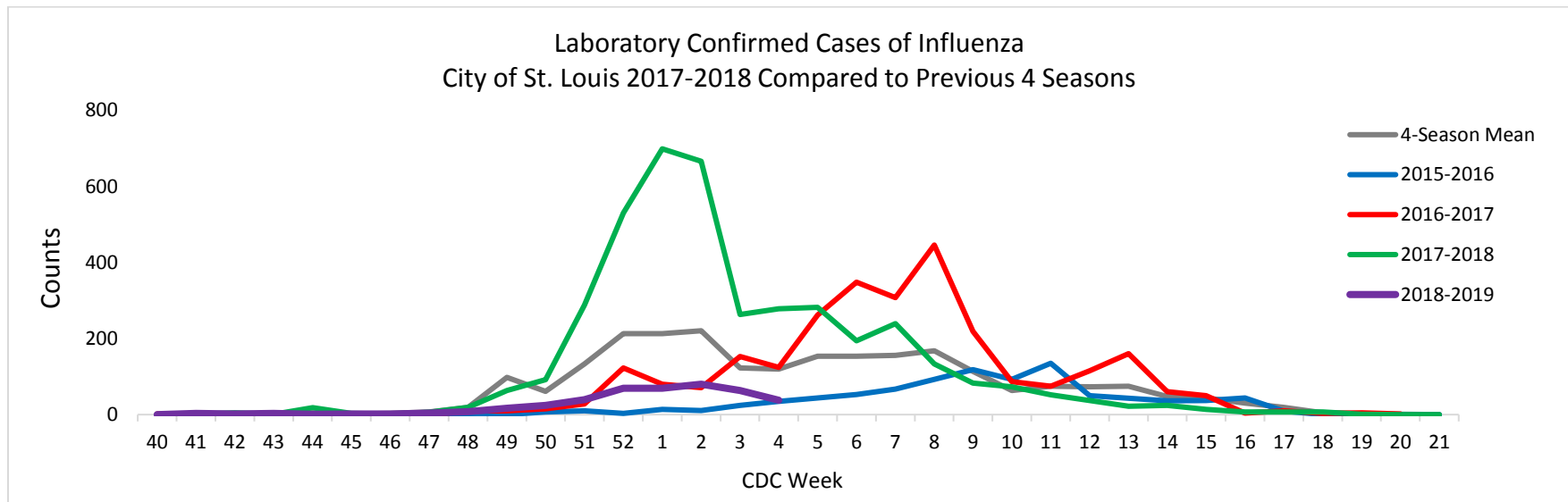


Table 1: Number of Laboratory Positive Influenza Cases by Influenza Type

Influenza Type	Week 51	Week 52	Week 1	Week 2	Week 3	Week 4	2018-2019* Season-to-Date	Percentage
Influenza A	39	69	67	77	60	38	394	93%
Influenza B	0	1	2	3	3	0	30	7%
Influenza unknown /Untyped	0	0	0	0	0	0	0	0%
Total	39	70	69	80	63	38	424	100%

Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from January 20, 2019 through January 26, 2019.



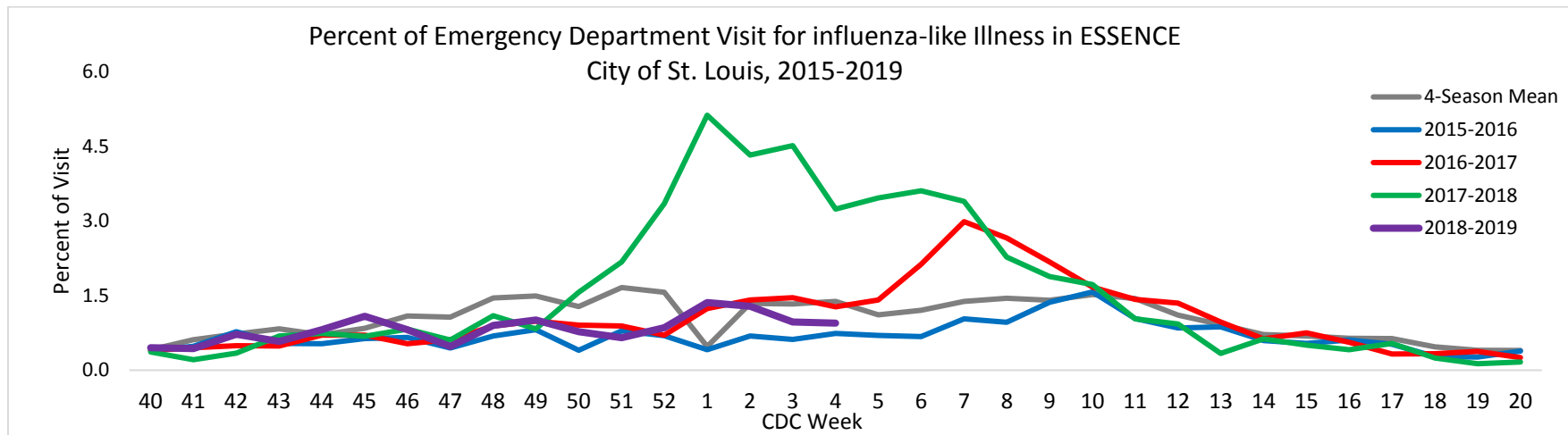
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Table 2: Number of Laboratory Confirmed Influenza Cases by Age Group

Age Group	Week 51	Week 52	Week 1	Week 2	Week 3	Week 4	2018-2019* Season-to-Date
0 to 4 years	8	25	18	8	24	7	106
5 to 14 years	10	6	10	6	9	3	57
15 to 24 years	3	3	2	3	3	1	22
25 to 49 years	8	24	20	32	17	12	129
50 to 64 years	9	7	14	22	6	12	78
65+ years	1	5	5	9	4	3	32
Total	39	70	69	80	63	38	424

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



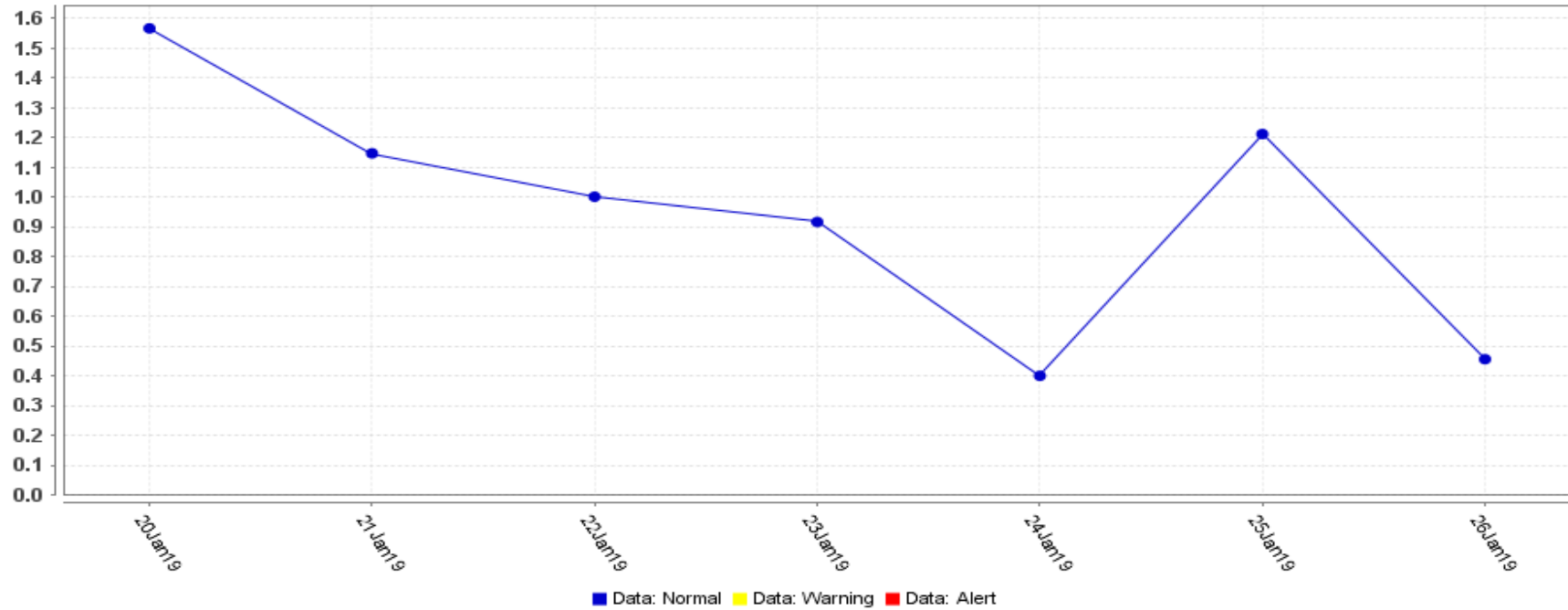
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Figure 3: Daily Percentage of Emergency Department (ED) Visit for Influenza Like Illness
Daily Percent of Influenza-Like Illness



Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from January 20, 2019 through January 26, 2019.