



**City of St. Louis Department of Health
Weekly Influenza Surveillance Report
2018-2019 Influenza Season
Week 8 (02/17/19 – 02/23/2019)**



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 nine hundred and seventy-nine (979) 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

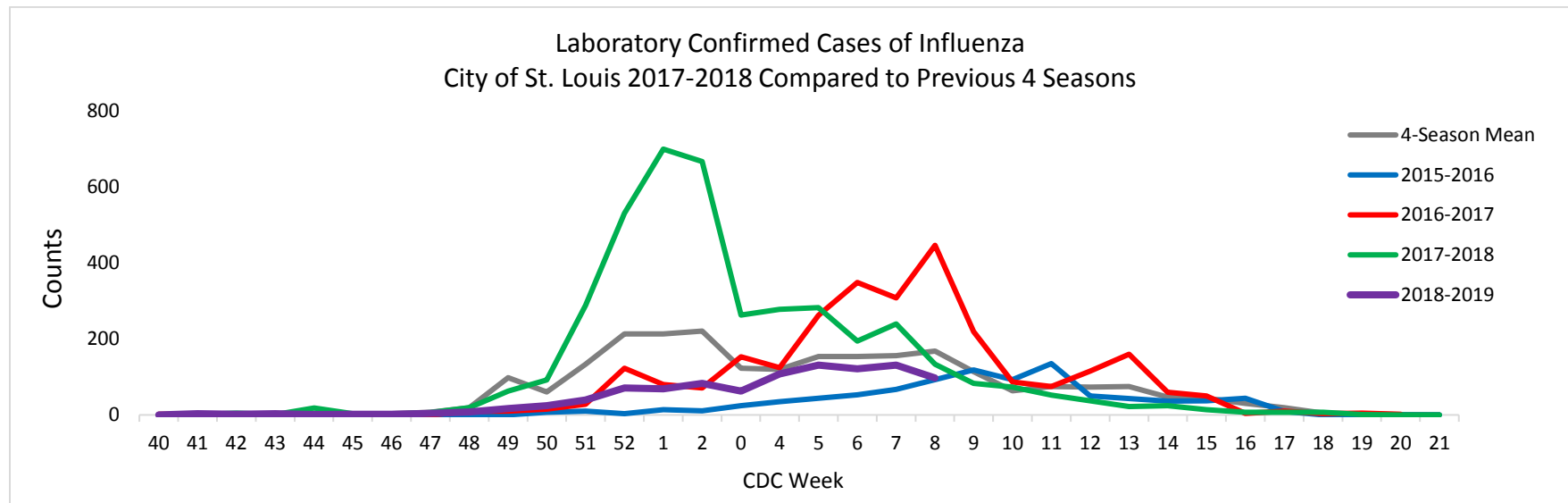


Table 1: Number of Laboratory Positive Influenza Cases by Influenza Type

Influenza Type	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	2018-2019* Season-to-Date	Percentage
Influenza A	60	107	130	120	129	97	944	96%
Influenza B	3	1	1	1	2	0	35	4%
Influenza unknown /Untyped	0	0	0	0	0	0	0	0%
Total	63	108	131	121	131	97	979	100%

Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from February 17, 2019 through February 23, 2019.



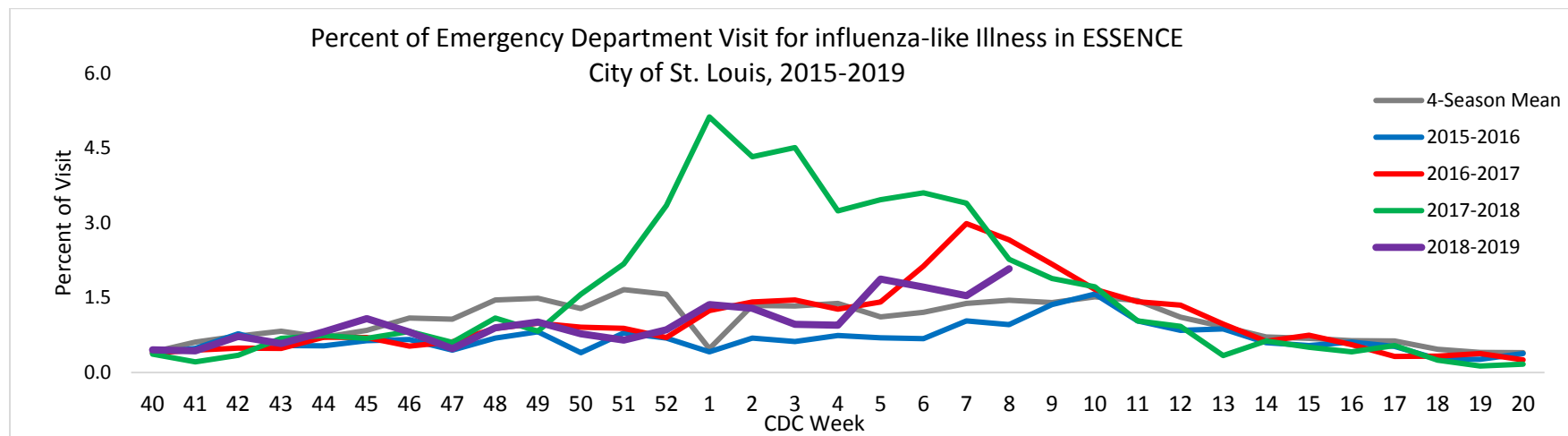
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Table 2: Number of Laboratory Confirmed Influenza Cases by Age Group

Age Group	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	2018-2019* Season-to-Date	Percentage
0 to 4 years	24	29	27	20	28	18	221	23%
5 to 14 years	9	7	25	27	22	15	150	15%
15 to 24 years	3	5	5	7	7	7	52	5%
25 to 49 years	17	32	62	23	34	24	295	30%
50 to 64 years	6	25	5	33	21	17	169	17%
65+ years	4	10	7	11	19	16	92	9%
Total	63	108	131	121	131	97	979	100%

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



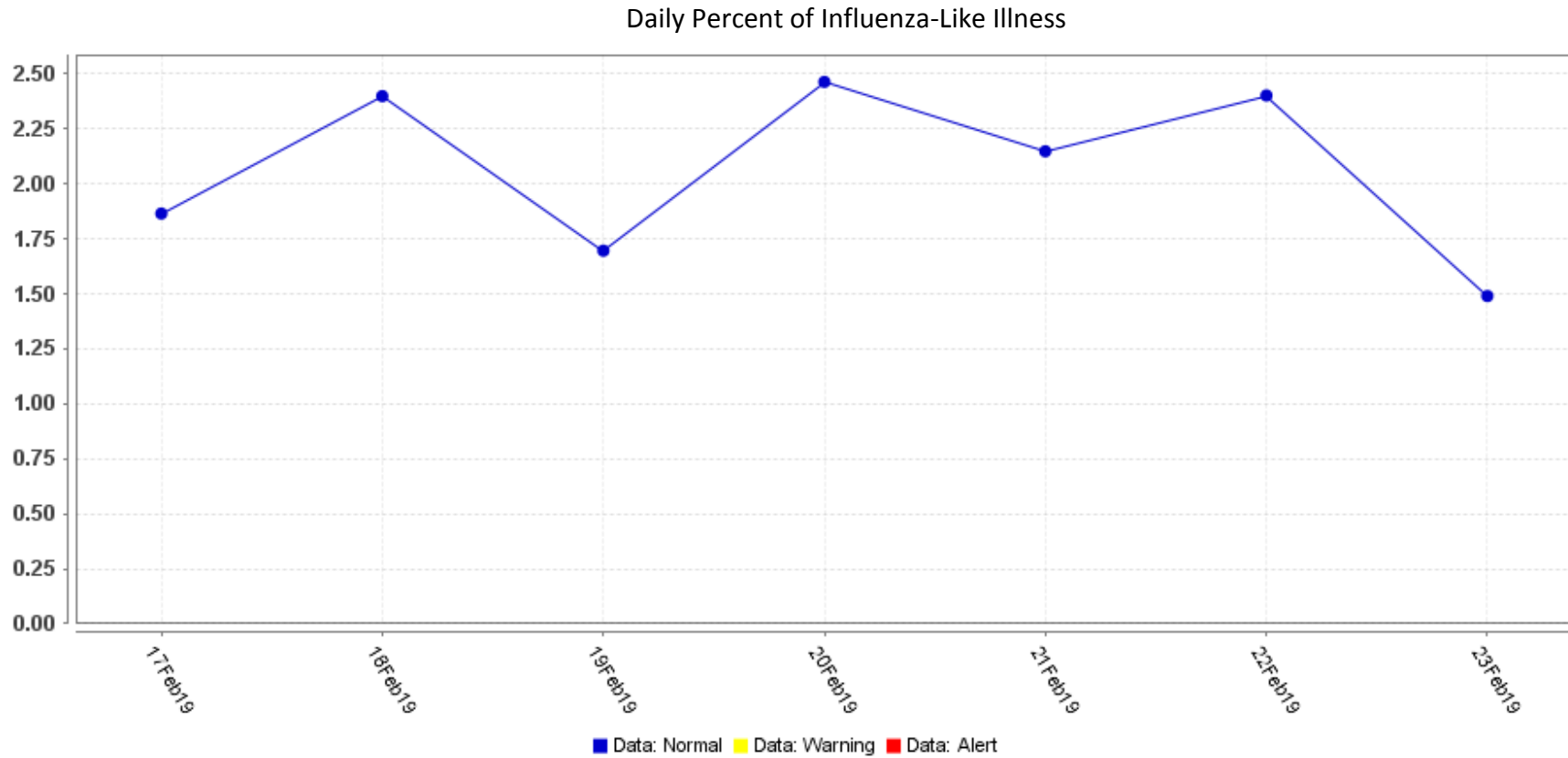
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Figure 3: Daily Percentage of Emergency Department (ED) Visits for Influenza-like Illness



Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from February 17, 2019 through February 23, 2019.