



**City of St. Louis Department of Health
Weekly Influenza Surveillance Report
2018-2019 Influenza Season
Week 12 (03/17/19 – 03/23/2019)**



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 One thousand four hundred fifty-six (1,456) 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

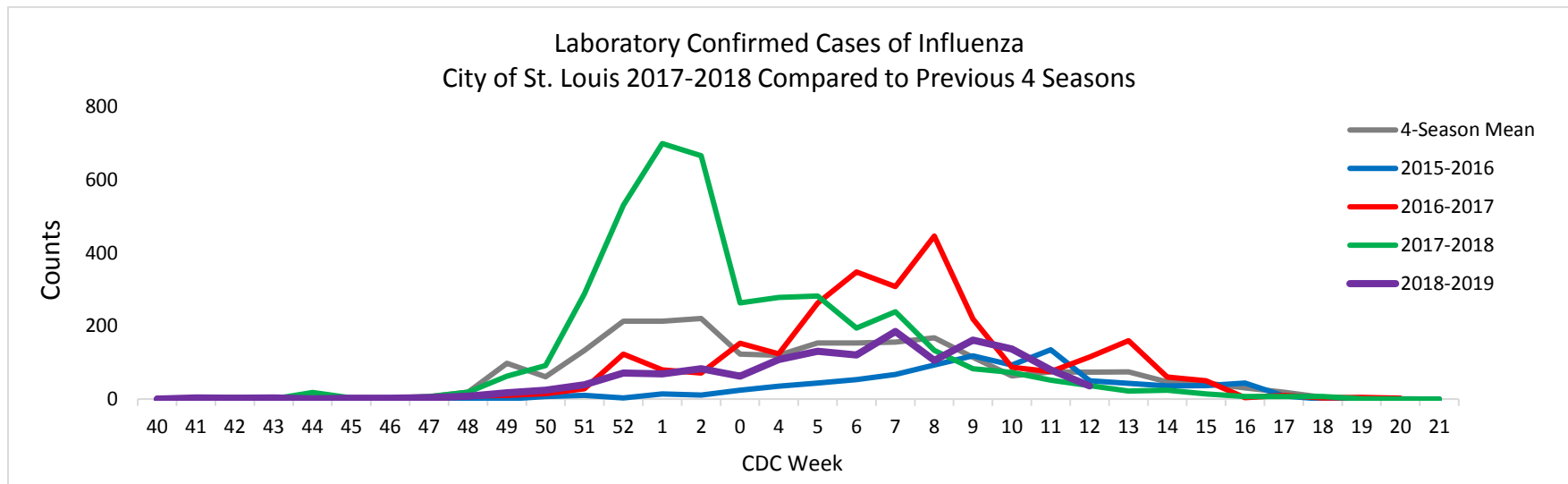


Table 1: Number of Laboratory Positive Influenza Cases by Influenza Type

Influenza Type	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	2018-2019* Season-to-Date	Percentage
Influenza A	184	106	156	132	79	35	1410	97%
Influenza B	1	0	5	5	1	1	46	3%
Influenza unknown /Untyped	0	0	0	0	0	0	0	0%
Total	185	106	161	137	80	36	1,456	100%

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



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

Age Group	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	2018-2019* Season-to-Date	Percentage
0 to 4 years	51	19	38	31	21	10	345	24%
5 to 14 years	37	16	35	32	12	2	247	17%
15 to 24 years	14	8	9	6	1	2	78	5%
25 to 49 years	43	27	39	29	22	9	406	28%
50 to 64 years	22	19	31	24	12	7	246	17%
65+ years	18	17	9	15	12	6	134	9%
Total	185	106	161	137	80	36	1,456	100%

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

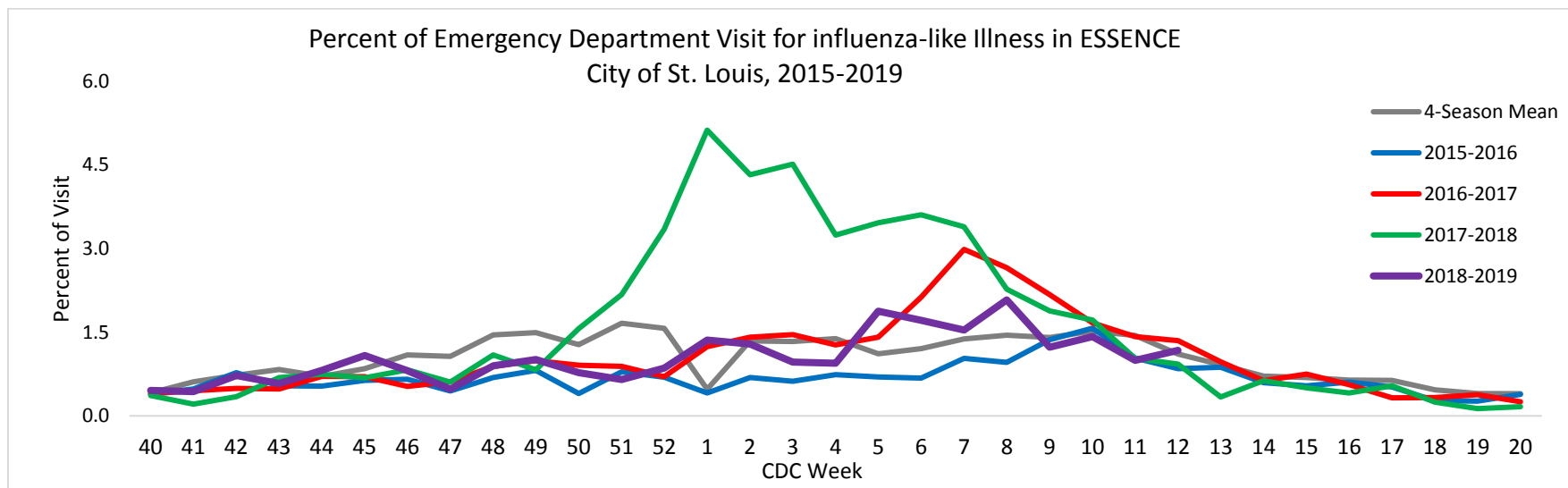


Figure 3: Daily Percentage of Emergency Department (ED) Visit for Influenza-like Illness

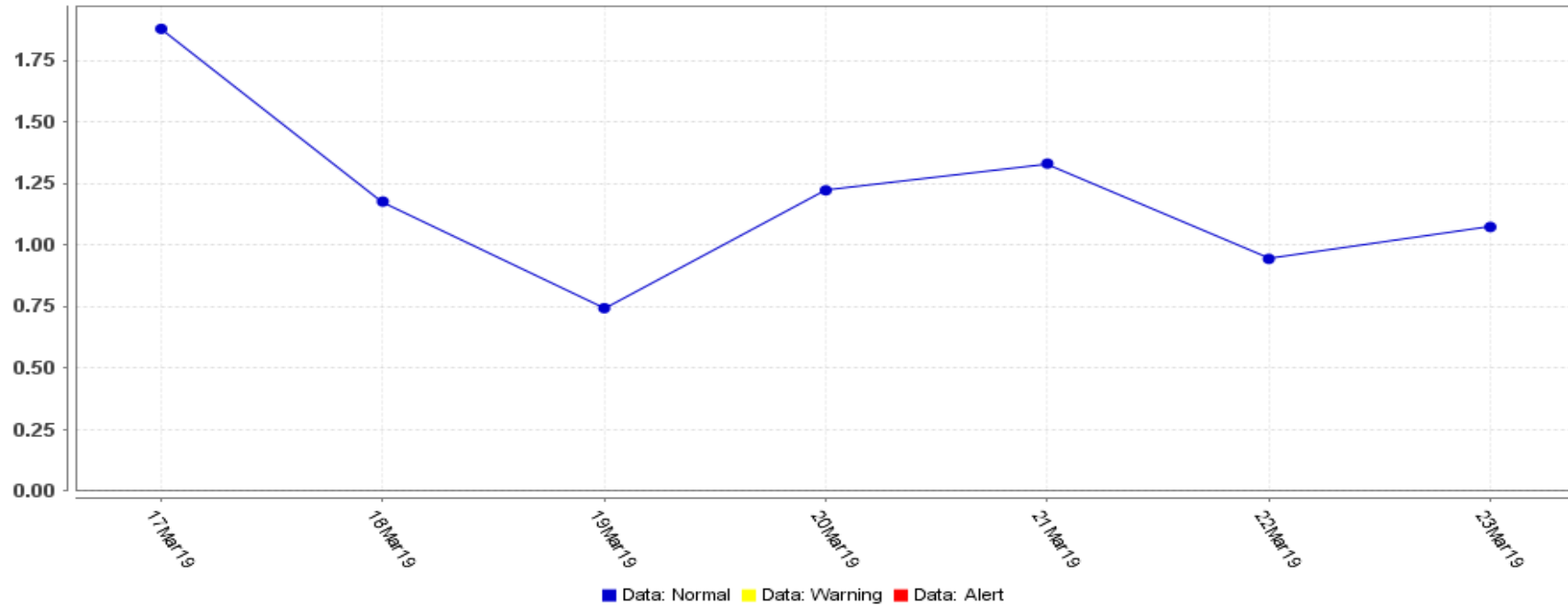
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Daily Percent of Influenza-like Illness



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