



**City of St. Louis Department of Health
Weekly Influenza Surveillance Report
2018-2019 Influenza Season
Week 15 (04/07/2019 – 04/13/2019)**



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 thirty-seven (1,637) 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

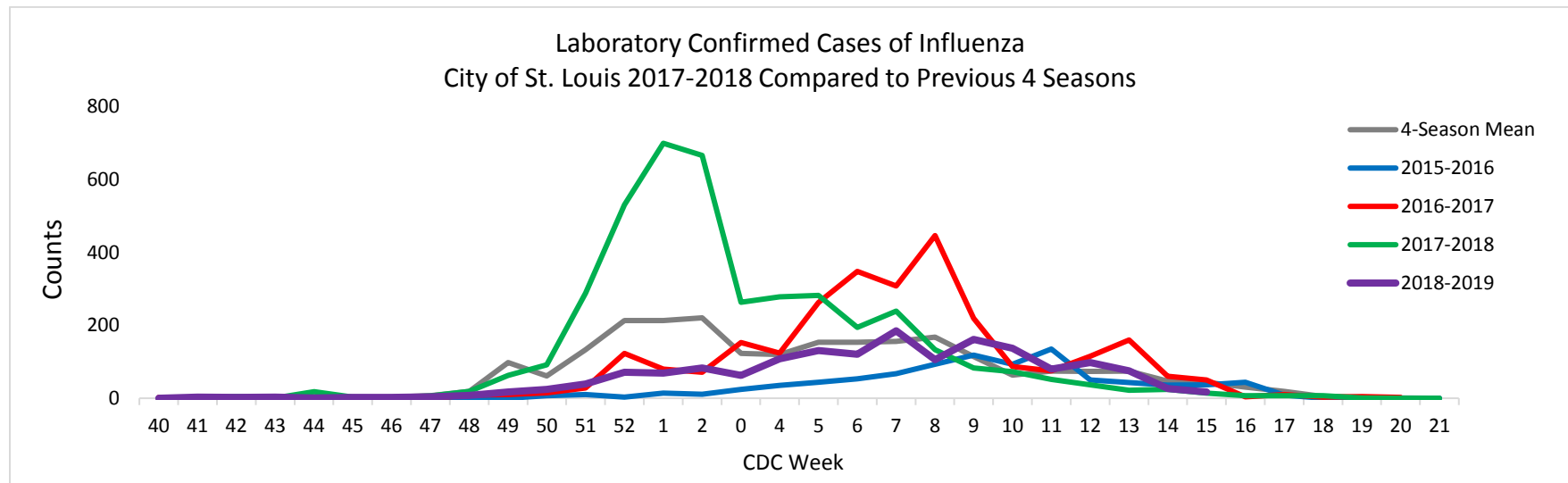


Table 1: Number of Laboratory Positive Influenza Cases by Influenza Type

Influenza Type	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	2018-2019* Season-to-Date	Percentage
Influenza A	132	79	95	73	26	17	1586	97%
Influenza B	5	1	3	2	1	0	51	3%
Influenza unknown /Untyped	0	0	0	0	0	0	0	0%
Total	137	80	98	75	27	17	1,637	100%

Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from April 07, 2019 through April 13, 2019.



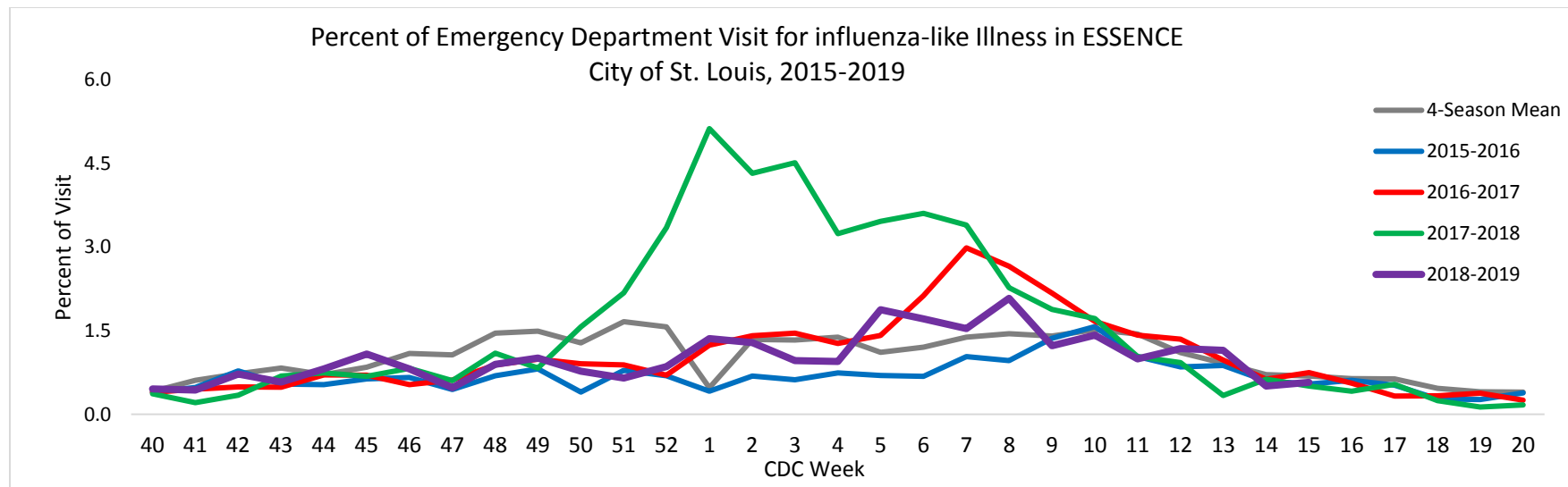
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Table 2: Number of Laboratory Confirmed Influenza Cases by Age Group

Age Group	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	2018-2019* Season-to-Date	Percentage
0 to 4 years	31	21	26	6	8	6	381	23%
5 to 14 years	32	12	12	11	3	3	274	17%
15 to 24 years	6	1	6	6	4	2	94	6%
25 to 49 years	29	22	28	23	5	4	457	28%
50 to 64 years	24	12	14	12	6	1	272	17%
65+ years	15	12	12	17	1	1	159	10%
Total	137	80	98	75	27	17	1,637	100%

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



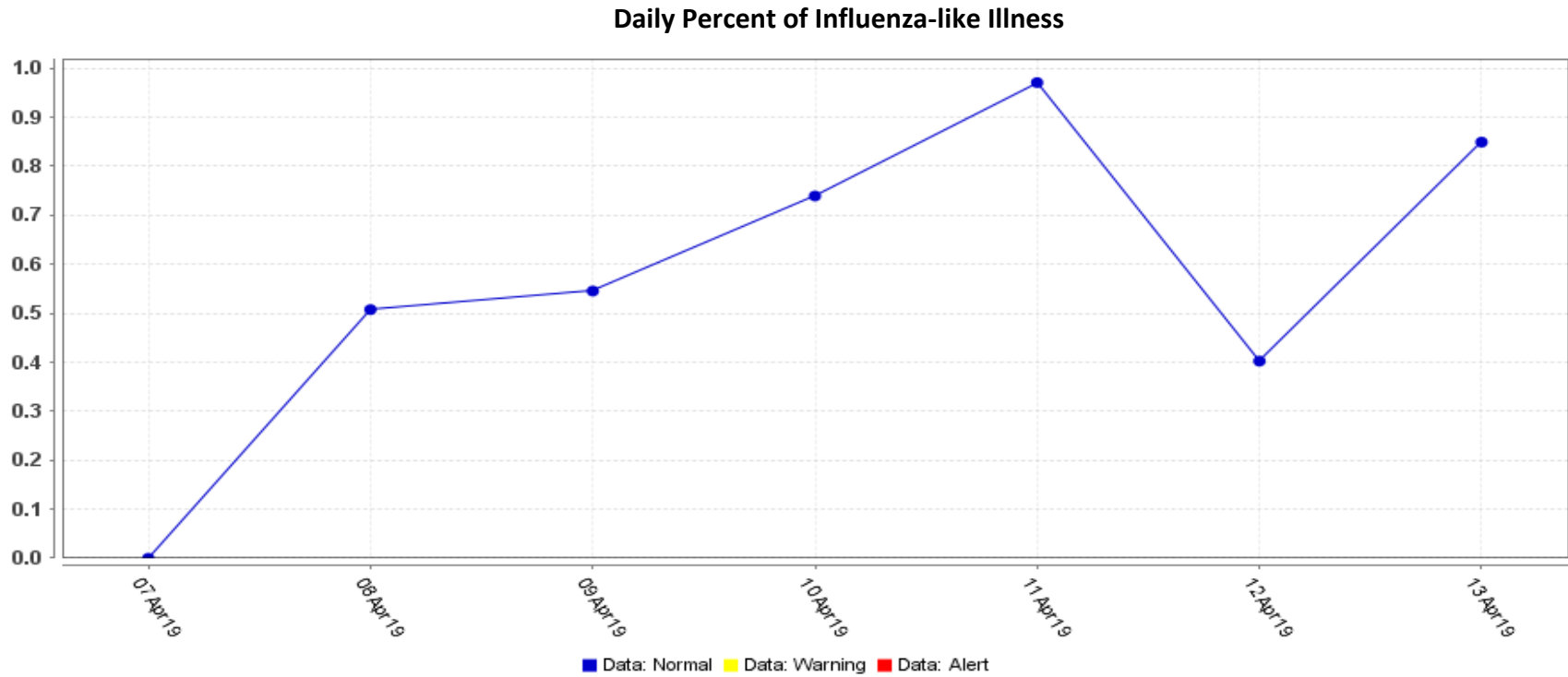
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Figure 3: Daily Percentage of Emergency Department (ED) Visit for Influenza-like Illness



Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from April 07, 2019 through April 13, 2019.