



**City of St. Louis Department of Health  
Weekly Influenza Surveillance Report  
2018-2019 Influenza Season  
Week 14 (03/31/2019 – 04/06/2019)**



**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).

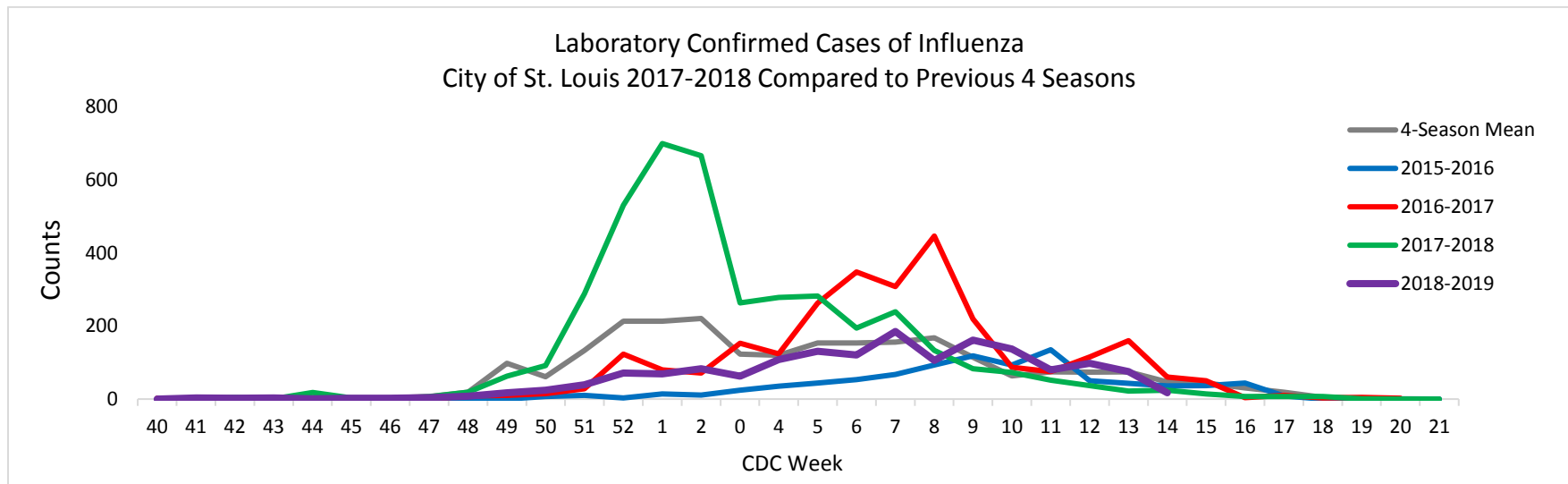


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There have been one thousand six hundred and ten (1,610) cases of influenza reported in the city since September 30, 2018. The following graphs compare the 2017-2018 influenza season to the 2018-2019 influenza season along with the previous four seasons.

**Figure 1: Number of Laboratory Confirmed Influenza Cases by Week**



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

Influenza Type	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	2018-2019* Season-to-Date	Percentage
Influenza A	156	132	79	95	73	17	<b>1560</b>	<b>97%</b>
Influenza B	5	5	1	3	2	0	<b>50</b>	<b>3%</b>
Influenza unknown /Untyped	0	0	0	0	0	0	<b>0</b>	<b>0%</b>
<b>Total</b>	<b>161</b>	<b>137</b>	<b>80</b>	<b>98</b>	<b>75</b>	<b>17</b>	<b>1610</b>	<b>100%</b>

Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from March 31, 2019 through April 06, 2019.



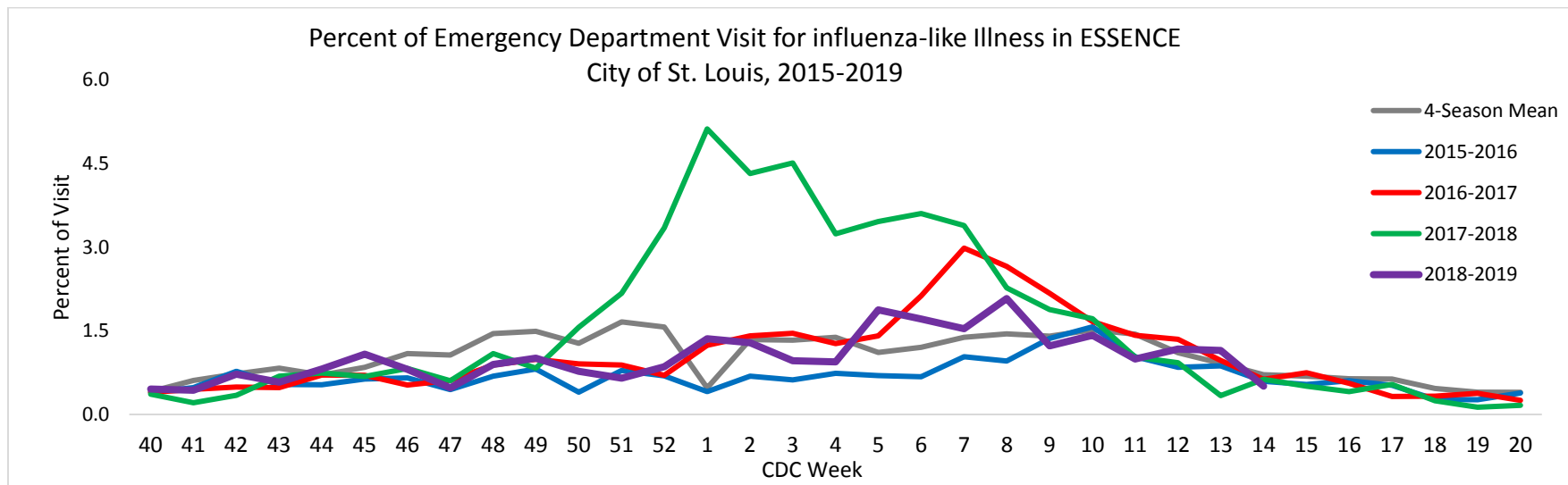
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**Table 2: Number of Laboratory Confirmed Influenza Cases by Age Group**

Age Group	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	2018-2019* Season-to-Date	Percentage
0 to 4 years	38	31	21	26	6	7	<b>374</b>	<b>23%</b>
5 to 14 years	35	32	12	12	11	3	<b>271</b>	<b>17%</b>
15 to 24 years	9	6	1	6	6	1	<b>89</b>	<b>6%</b>
25 to 49 years	39	29	22	28	23	4	<b>452</b>	<b>28%</b>
50 to 64 years	31	24	12	14	12	2	<b>267</b>	<b>17%</b>
65+ years	9	15	12	12	17	0	<b>157</b>	<b>10%</b>
<b>Total</b>	<b>161</b>	<b>137</b>	<b>80</b>	<b>98</b>	<b>75</b>	<b>17</b>	<b>1610</b>	<b>100%</b>

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



Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from March 31, 2019 through April 06, 2019.

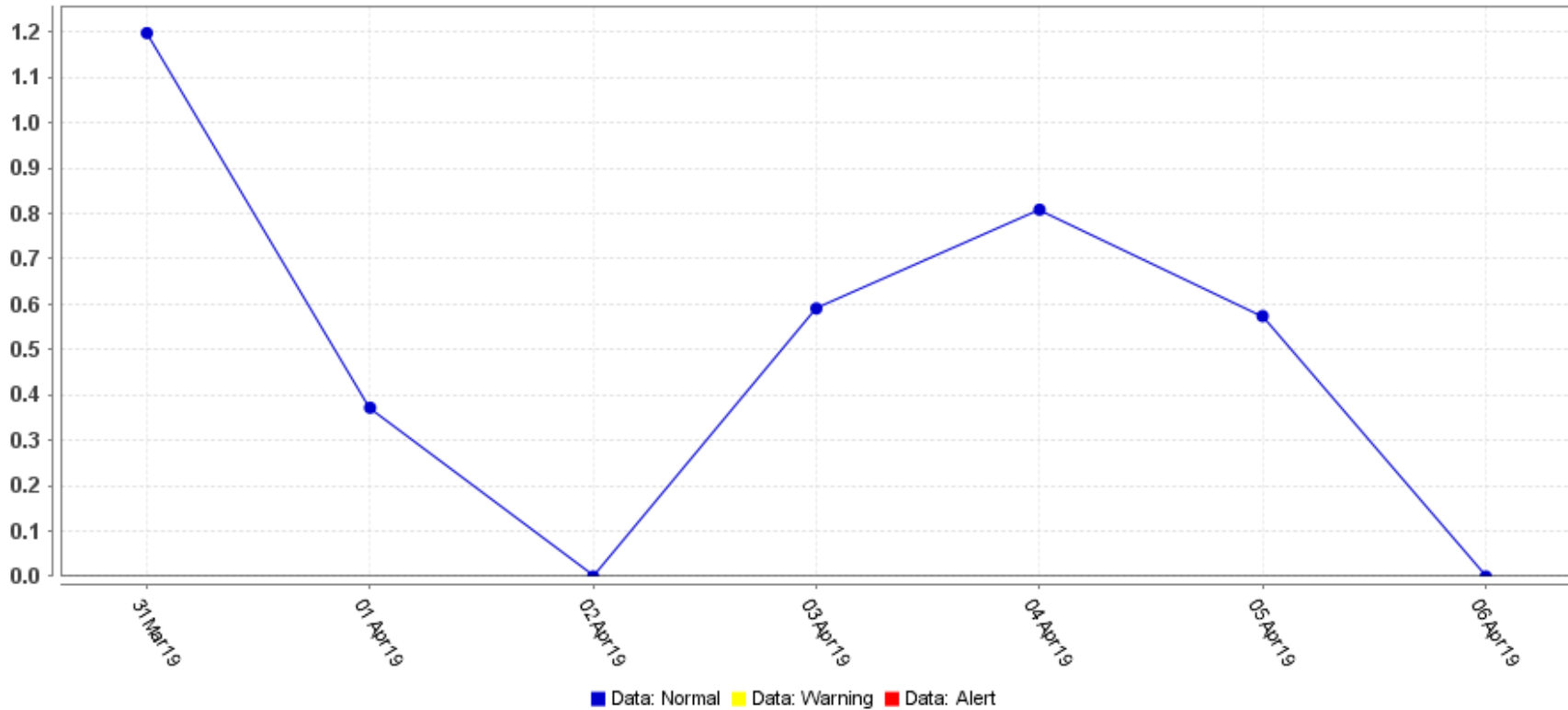


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Figure 3: Daily Percentage of Emergency Department (ED) Visit for Influenza-like Illness

Daily Percent of Influenza-like Illness



Source: Missouri Department of Health and Senior Services (DHSS), weekly surveillance report from March 31, 2019 through April 06, 2019.