

# Kent County Influenza Surveillance Trends

2017-2018 Summary

During the 2017-2018 influenza season, there were four thousand six hundred and thirty-six (4,636) cases of influenza reported to the Kent County Health Department (3,929 A, 648 B, 59 Unknown).

- Constitutional %** - The weekly average percentage of emergency department visits for constitutional complaints (including chief complaints of fever, weakness, dizziness, temp, flu, lightheadedness, and chills) peaked during the week ending February 3, 2018. The peak percentage of 14.3% was greater than the peak percentage during the 2016-2017 influenza season (11.5%), which occurred during the week ending February 18, 2017.

**Figure 1: Constitutional Complaints as a Percentage of Total Emergency Department Visits**



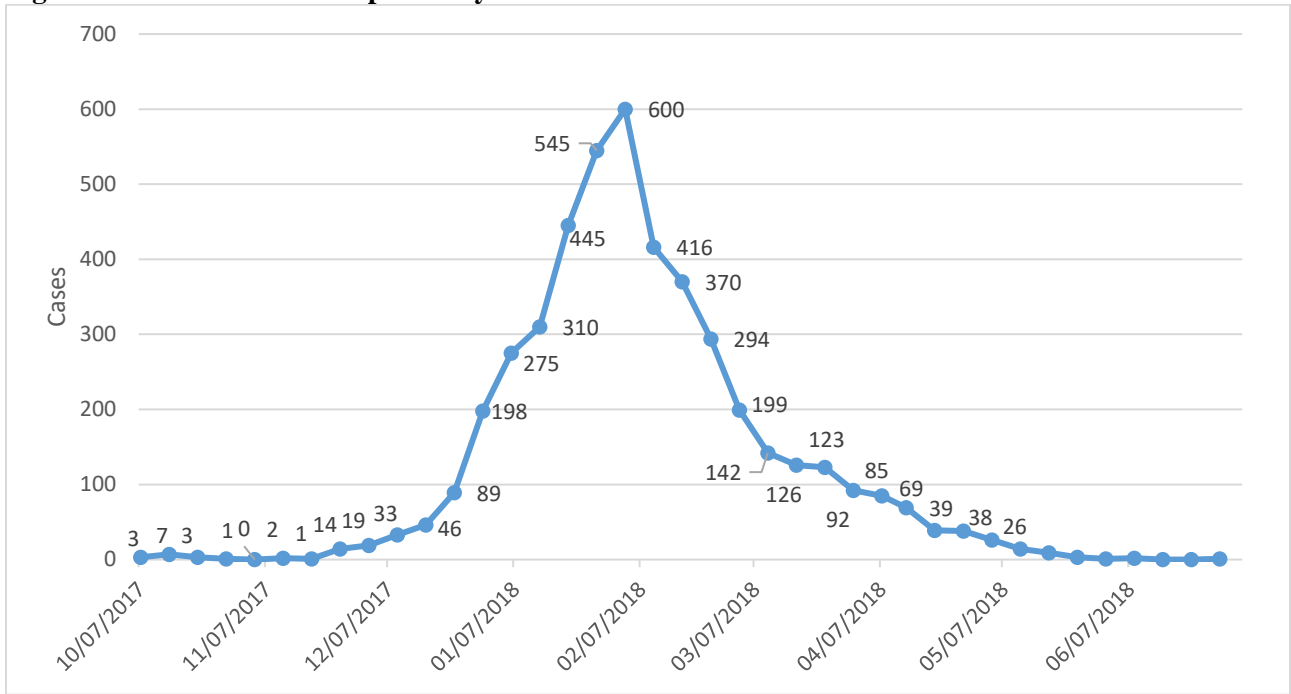
**Table 1: Characteristics of Reported Influenza Cases, 2017-2018**

Age Group	Influenza Type	Gender
0-17	A	Male
18-64	B	Female
65+	Unknown	Unknown
Unknown		

**Average Age of Reported Cases: 35 years**

**Median Age of Reported Cases: 28 years**

**Figure 2: Influenza Cases Reported by Week**



**Figure 3: Influenza Cases Reported by Type**

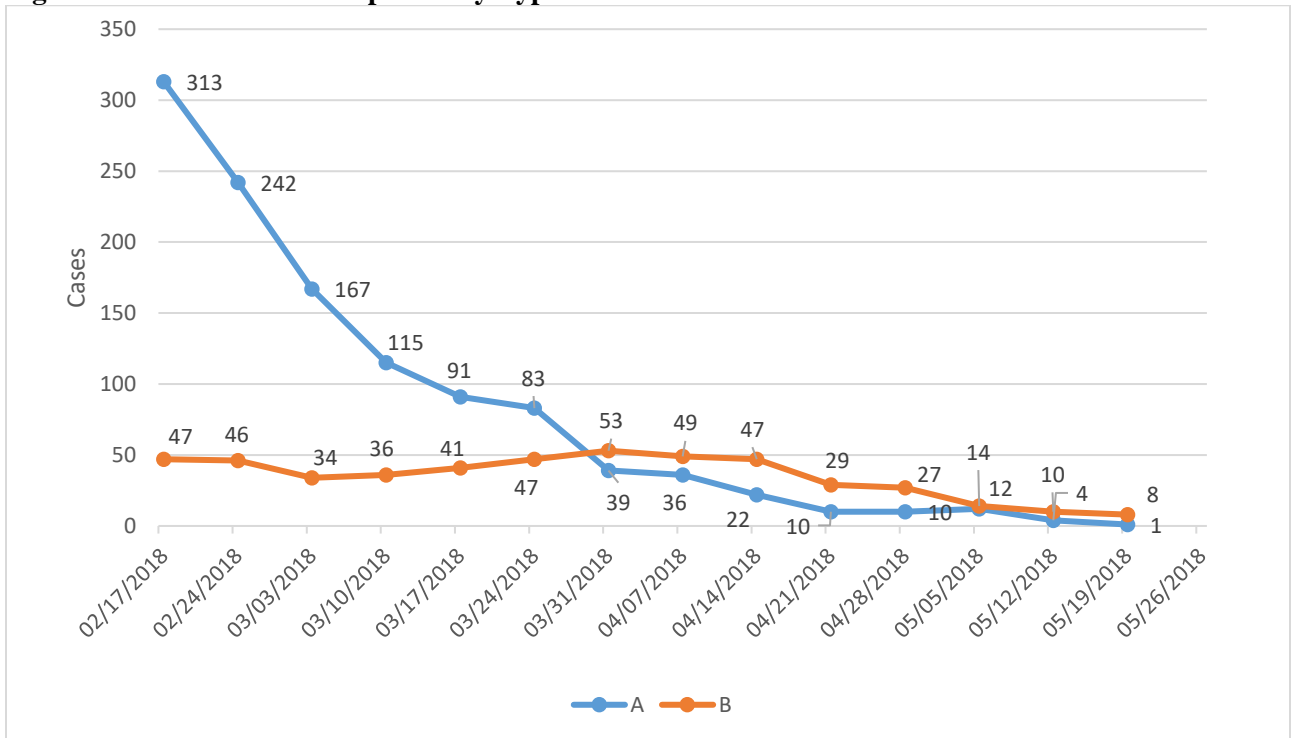
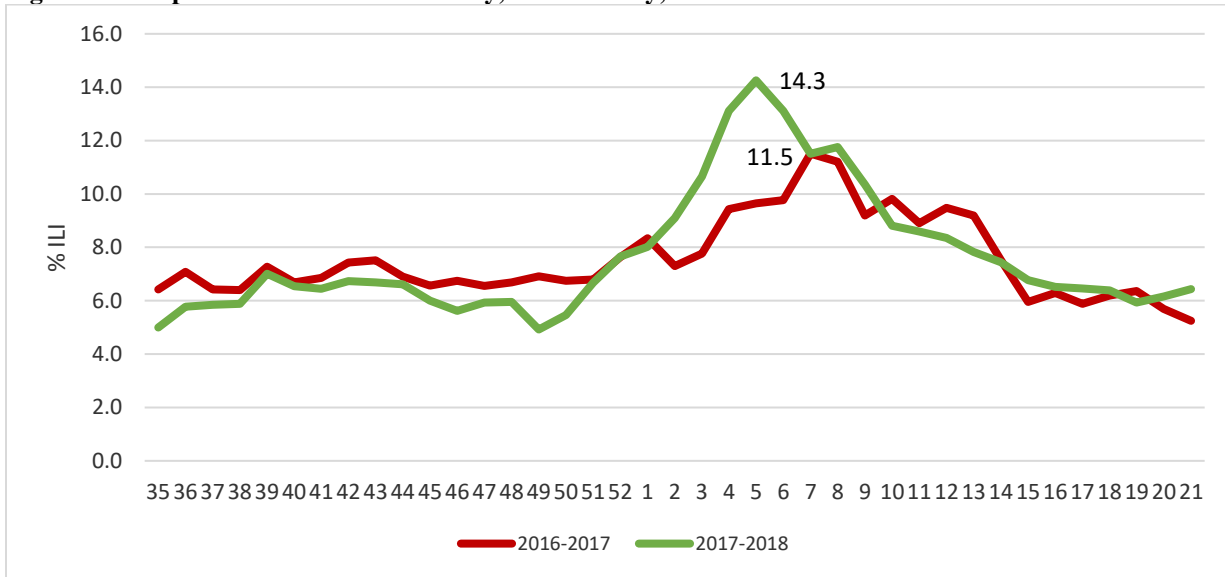


Figure 4 plots influenza activity for the 2017-2018 season compared to the 2016-2017 season whereas Figure 5 plots activity in 2017-2018 compared to the average activity over the previous four influenza seasons. For comparison purposes, weeks are numbered 1-52, with week 1 being the first week ending in the month of January and week 52 the last week ending in the month of December (week ending day is Saturday). For this analysis, the influenza season is considered to begin with week 35, the first week ending in the month of September (week ending 09/02 for 2017). Both figures present the percentage of emergency department visits for constitutional complaints through week 21 (week ending 05/26/2018). The 2017-2018 influenza season peaked earlier than in 2016-2017, but later than the average over the previous four seasons.

**Figure 3: Comparison of Influenza Activity, Kent County, 2016-2017 and 2017-2018**



**Figure 4: Comparison of Influenza Activity, Kent County, 2017-2018 against the Four-Year Average**

