

Influenza Surveillance Activities as of 5/19/2018 Santa Barbara County Public Health Department

The 2017-2018 influenza surveillance season began on 10/1/17 (disease week 40) and concluded on May 19, 2018.

Summary of recent influenza activity in Santa Barbara County the past week was “sporadic”.

Sentinel Data: The six reporting Sentinel Provider Sites reported influenza-like illness (ILI) in 7 of the patients seen in [week 20 \(7/415; 1.7%\)](#), (please see the chart 1 below). Due to technical difficulties, Hospital Emergency Department (ED) ILI poll was halted on May 11th. Between May 1-May 10, of the EDs [that completed the daily poll, 130 \(4.2%\)](#) of the 3077 patients seen had ILI and 7 were admitted. (This trend is higher than that seen in the same time period in 2017 at 2.4% (59/2456) of ED visits due to ILI.

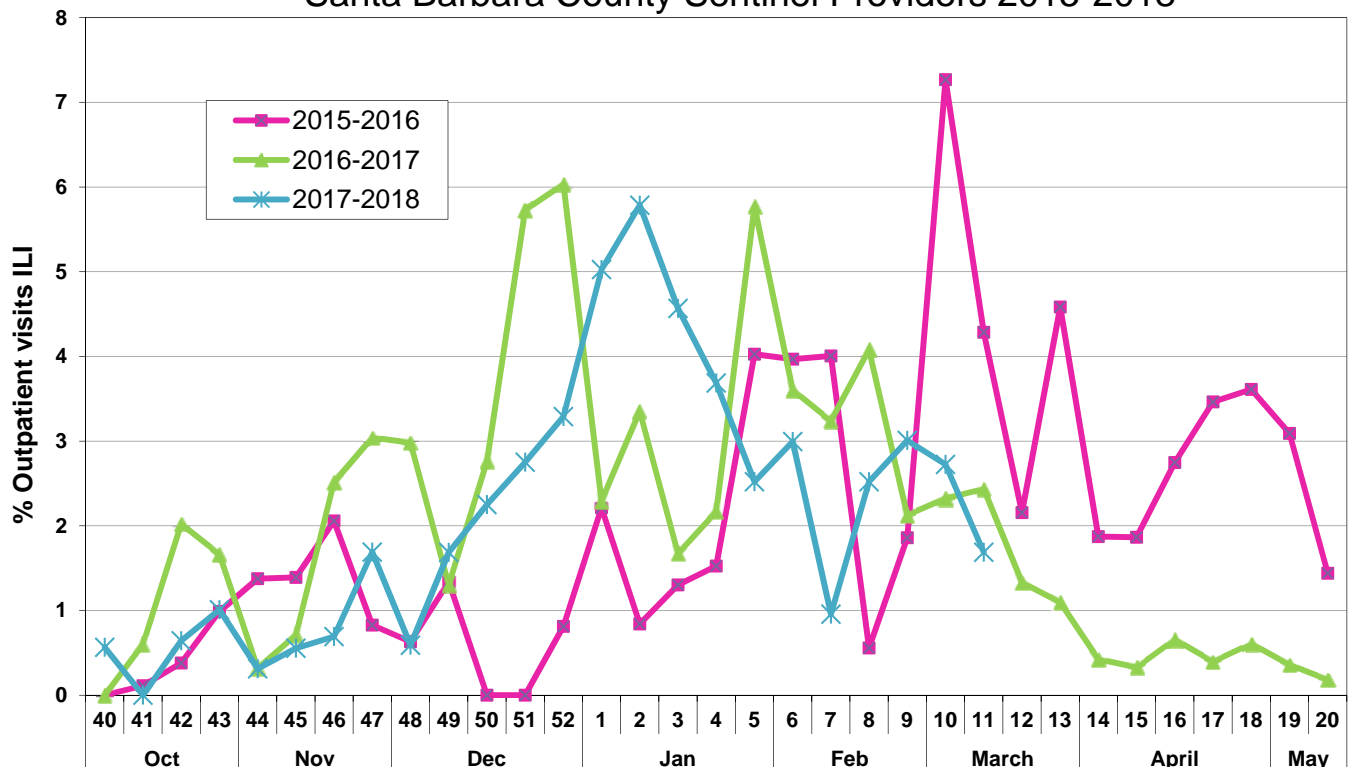
Provider reports: This season there have been 19 confirmed ICU hospitalizations in the reportable age range 0-64 years and there have been 16 outbreaks of Upper Respiratory Illness reported in County Skilled Nursing & Long Term Care Facilities. There have been a total of 14 known flu-related deaths in the County this season. Three decedents were in the mandated reportable age range of 0-64 years and all had underlying conditions. The additional 11 decedents were persons over 64 years of age, 9 of which have been linked to some of the outbreaks.

Of note: On September 19, 2017 the Santa Barbara County Public Health Department issued a Health Officer order mandating influenza vaccinations for all Health Care Workers (HCWs) by November 1, 2017. HCWs must either have documentation of a flu vaccine or wear a mask until April 30th, 2018: <http://phdhome.sbcpd.org/apps/content/contentitem.aspx?ID=10285>

Chart 1: CDC Sentinel Provider Program in Santa Barbara County Influenza-like Illness (ILI)

(Lompoc Health Care Center, Santa Barbara Health Care Center, Franklin Health Care Center, Carpinteria Health Care Center, Santa Maria Health Care Center, Westmont College)

Percent of Outpatient Visits Due to ILI Santa Barbara County Sentinel Providers 2015-2018

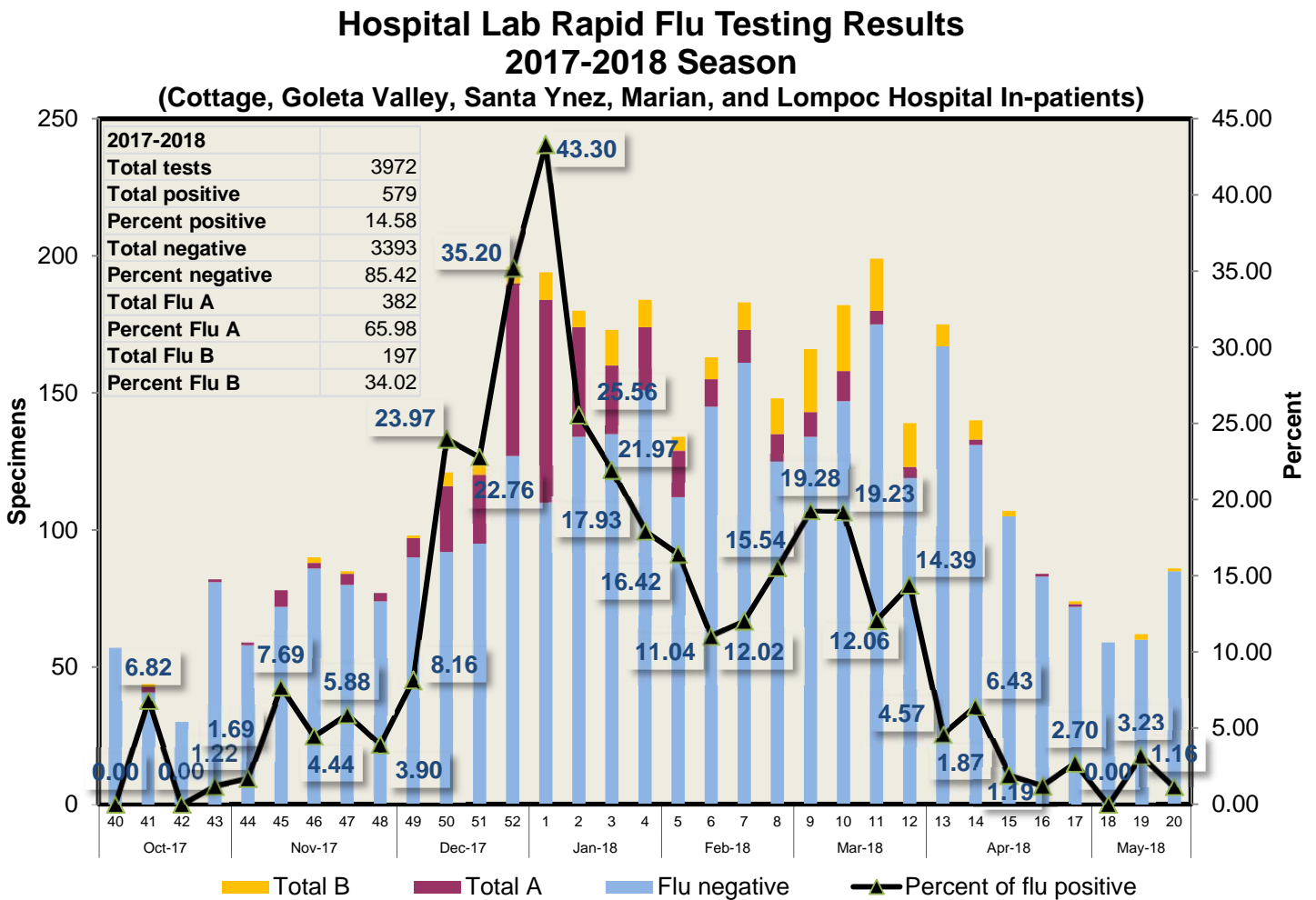


* There is an additional week in the 2014-2015 calendar. The data for 2014 Disease weeks 40-53 is displayed using the previous week; e.g. the 2014-15 season, the data for week 53 corresponds to the data point at Week 52 on the chart.

Laboratory Data: This season there has been 1 case of laboratory confirmed Tamiflu-resistant influenza; that patient recovered. In Disease Week 20, the local hospital labs reported having tested **86 in-patients with PCR and rapid tests** with 1 testing positive (1.16%, 0 flu A, 1 flu B) (please see chart 2 below).

As of week 20, a total of **471** patients have been tested by the Public Health Lab from hospital laboratories with PCR testing of which **351** tested positive (74.5%; 212 A/H3, 39 2009 A/H1, 3 Flu A (not A/H3 or not 2009 A/H1), 96 flu B, 1 pending A subtyping). Of those positive specimens, **2** (0.57%) met the reportable lab flu criteria (patient was hospitalized, ICU (2) or fatal).

Chart 2: Influenza testing results collected from Marian Regional Medical Center, Lompoc Valley Medical Center and PDL (Cottage Health Systems contracted laboratory).



** Of the 86 specimens tested in week 20, 1 was positive for influenza. In other words, 1.16% of the in-patient specimens tested by hospital labs in week 20 were positive for influenza.