



# Clark County Influenza Surveillance Update

CDC Week 14: March 29–April 4, 2020

All data are preliminary and may change as more reports are received. As influenza season begins and ends, the number of tests conducted will be smaller than at times of peak activity; therefore, the reliability of positivity figures may decrease as a result. **Due to the low number of influenza tests and positive results, surveillance will be discontinued for Cowlitz County after Week 12 and Clark County after week 14, to prevent misrepresentation of flu activity in our communities.**

## Summary

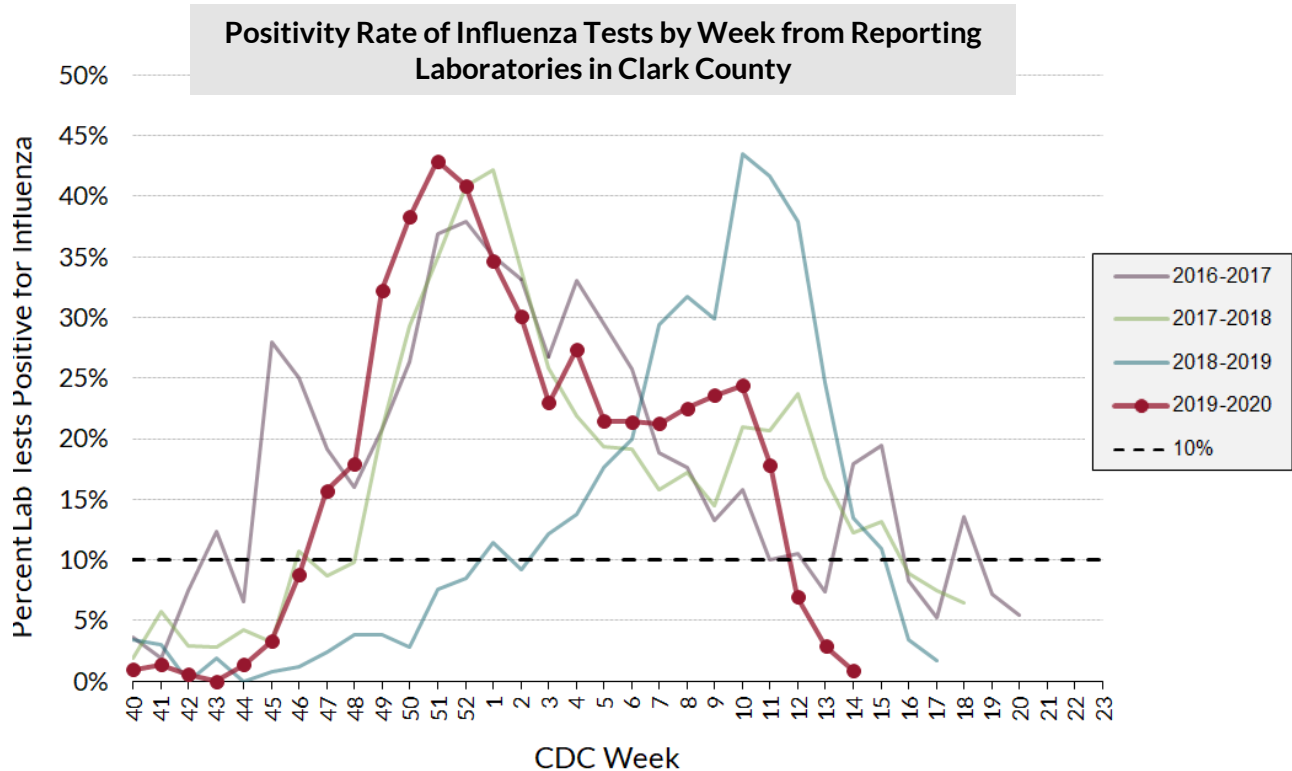
- Clark County influenza positivity was at 0.9% during Week 14, below the 10% threshold for the third consecutive week.
- Cowlitz County partner labs reported influenza positivity at 13% in Week 12. Since then, positivity is not reported for weeks with fewer than 5 tests conducted.
- The CDC reported national positivity in Week 14 was at 0.8%.
- In Week 14, Washington state influenza positivity was at 0.3%.



## Data from Reporting Laboratories

Clark County

The **influenza positivity rate** is the percent of influenza tests conducted by reporting laboratories that result positive. Traditionally, agencies including the CDC and WA State DOH use positivity  $\geq 10\%$  to define active influenza season.



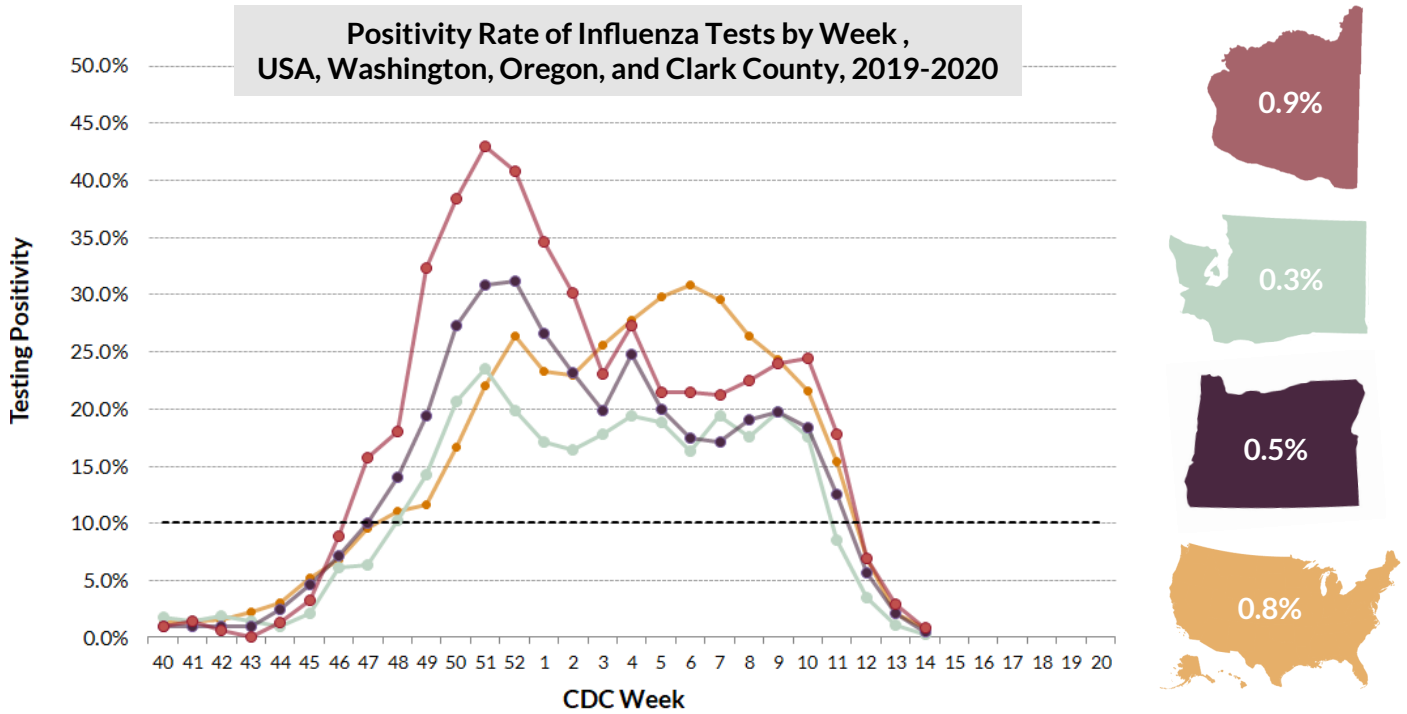
CDC Week	Date Range	A (H1)	A (H1N1)	A (H3)	A (not subtyped)	Type B	Total influenza	No. Tested	Positivity
12	3/15–3/21	0	0	1	48	14	63	904	7.0%
13	3/22–3/28	0	0	0	11	4	15	518	2.9%
14	3/29–4/4	0	0	0	1	1	2	235	0.9%



# Data from Reporting Laboratories

Washington State, Oregon, CDC

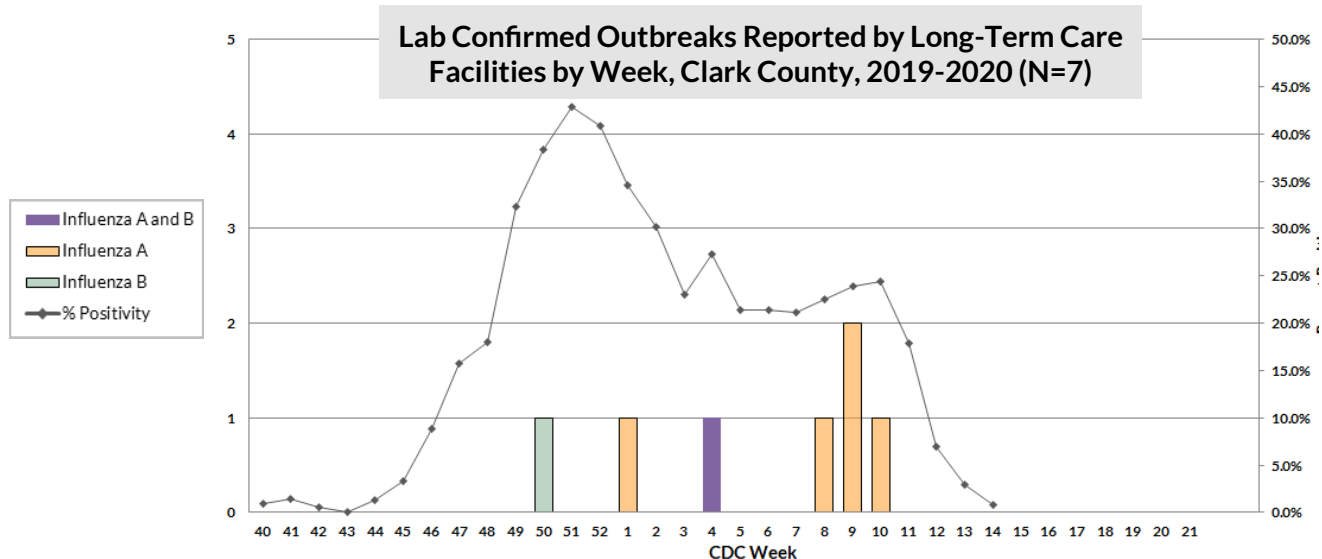
The CDC, Washington State, and Oregon also collect and report influenza activity data on a weekly basis. This allows for comparisons to be made with regional and national trends as the season progresses. In Week 14, the CDC reported national positivity of 0.8%. Washington and Oregon states reported influenza positivity of 0.3% and 0.5%, respectively. Clark County's positivity was at 0.9%, all well below the 10% positivity threshold.



## Influenza Outbreaks in Long Term Care Facilities

Clark County

Clark County Public Health identifies and responds to influenza outbreaks in long term care facilities around Clark County, in order to provide recommendations and guide further community action. So far this influenza season, **seven lab-confirmed influenza outbreaks have been reported.**



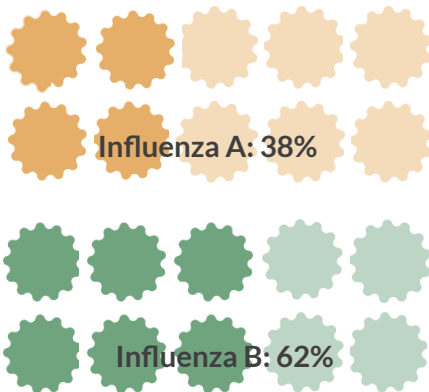


# Circulating Strains from Reporting Laboratories

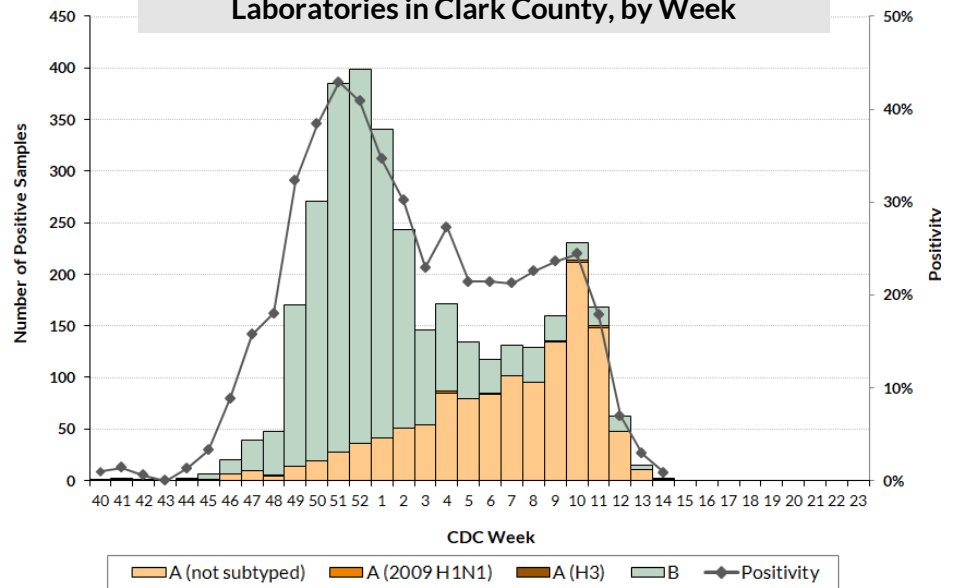
Local, State, and National Data

Reporting laboratories also may provide details on what **strains of influenza** are reported positive. The colored bars represent how much of each strain of influenza is being reported, while the black line is the corresponding influenza positivity. The below summaries display the breakdown of influenza strains identified in positive results at the local, state, and national level, by CDC week. **Through Week 14, most positive tests were identified as influenza B.**

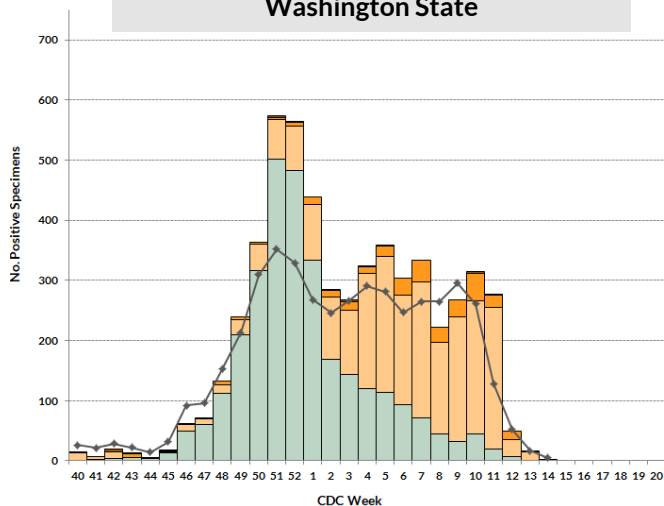
## Clark County Total Season Strain Distribution, 2019-2020



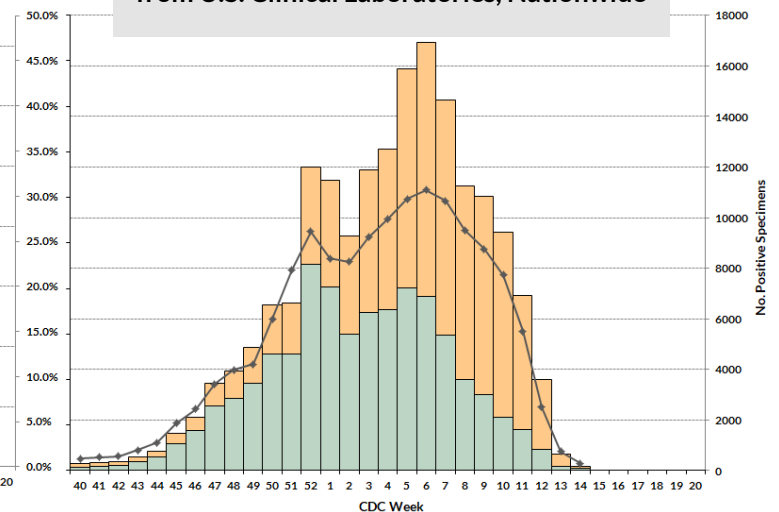
## Number of Positive Influenza Tests from Reporting Laboratories in Clark County, by Week



## Number of Positive Influenza Tests by Week from Reporting Laboratories in Washington State



## Number of Positive Influenza Tests by Week from U.S. Clinical Laboratories, Nationwide



A (unable to subtype)
  A(H1)
  A(H3N2)
  A(2009 H1N1)
  A (subtyping not done)
  B
  % Positive



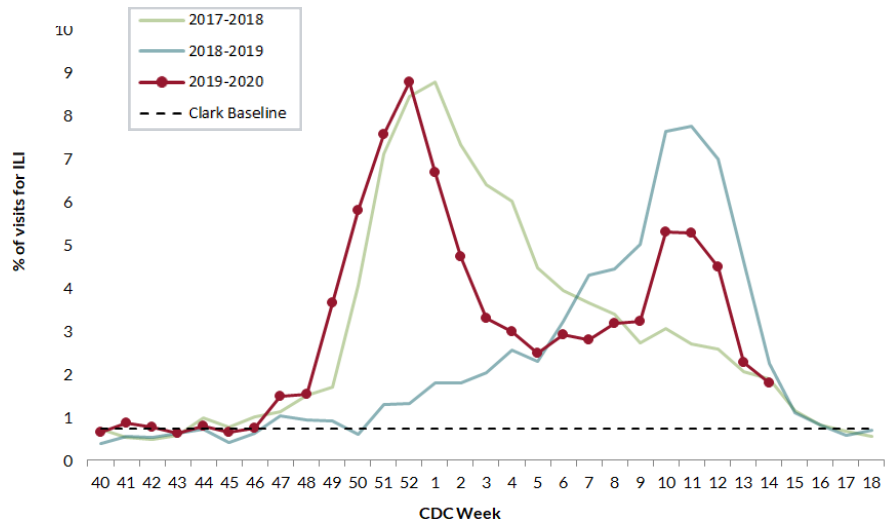
# ESSENCE Syndromic Surveillance for Influenza-Like Illness (ILI) Clark County

CCPH assesses **syndromic surveillance data on influenza-like illness (ILI)**, in order to view community influenza activity in another way. These data are automatically reported by local hospitals to the CDC's ESSENCE system, and reflect the proportion of individuals seen with ILI symptoms.

The **ILI baseline of 0.73%** is defined as the mean percent of patient visit for ILI during non-influenza weeks during the previous two seasons, plus two standard deviations.

During Week 14, **Clark County ILI visits were at 1.8%**, above the baseline.

Percentage of ILI Visits to ESSENCE Reporting Facilities  
Clark County, 2017-2020

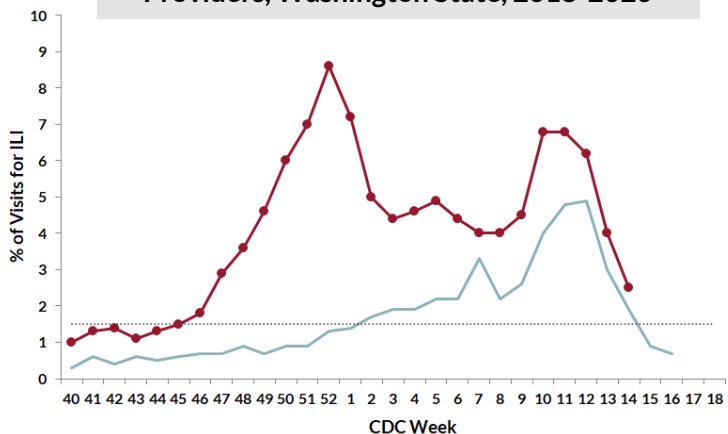


## Influenza-Like Illness (ILI) Visits Reported by Sentinel Providers State and National Level Data

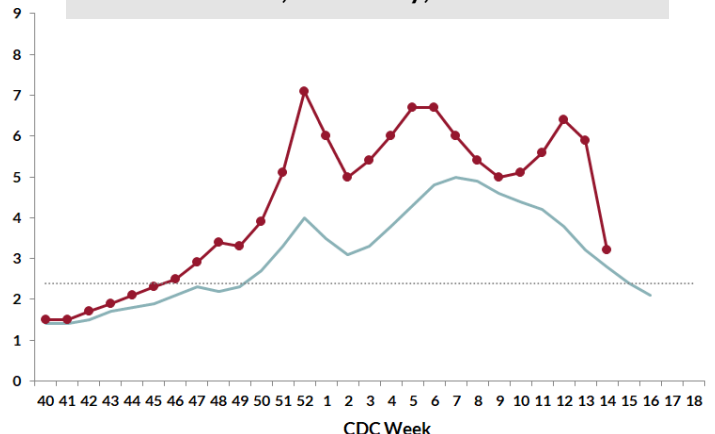
**Sentinel provider data** can also provide valuable information on the presence of influenza-like illness. These data are captured at the state and national level, and are defined as the percent of patient visits to a sentinel healthcare facility that meet the case definition for influenza-like illness (ILI). ILI is defined as fever  $\geq 100^\circ$  F AND cough and/or sore throat (in the absence of a known cause other than influenza).

During Week 14, **National ILI patient visits were at 3.2%**, above the CDC baseline for elevated ILI activity of 2.4%. Washington data from Week 14 indicated ILI visits at 2.5%.

Percentage of ILI Visits Reported by Sentinel Providers, Washington State, 2018-2020



Percentage of ILI Visits Reported by Sentinel Providers, Nationally, 2018-2020



# Cowlitz County Influenza Surveillance Update

*NOTE: All data are preliminary and may change as more reports are received. As influenza season begins and ends, the number of tests conducted will be smaller than at times of peak activity; therefore, the reliability of positivity figures may decrease as a result.*

Cowlitz and Clark Counties are neighboring local health jurisdictions in Washington State. Although separate entities, both share a common goal of preventing disease and promoting public health. To that end, Cowlitz and Clark County often partner in disease response efforts. This year, Cowlitz and Clark counties will continue working together to provide reliable influenza surveillance data to our communities.

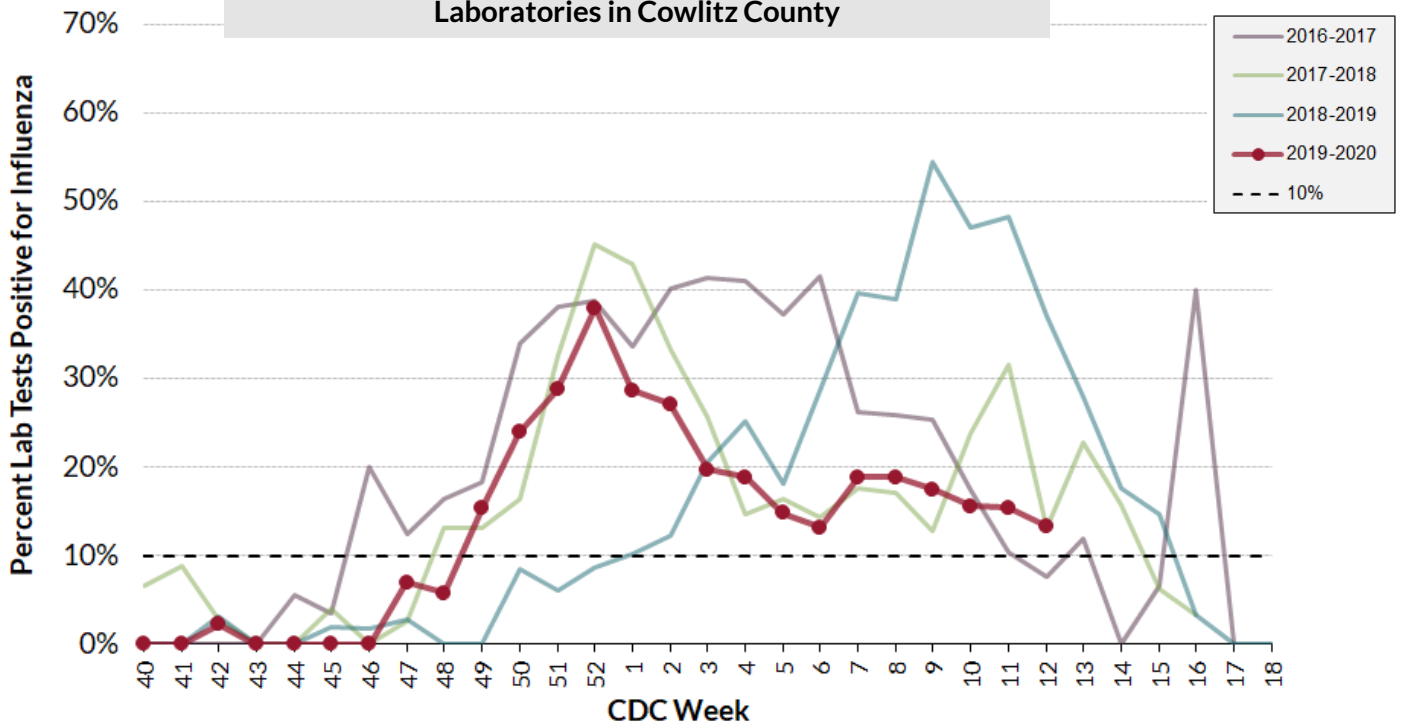


## Data from Reporting Laboratories

Cowlitz County

The **influenza positivity rate** is the percent of influenza tests conducted by reporting laboratories that result positive. Traditionally, agencies including the CDC and WA State DOH use positivity  $\geq 10\%$  to define active influenza season.

**Positivity Rate of Influenza Tests by Week from Reporting Laboratories in Cowlitz County**



CDC Week	Date Range	A (H1)	A (H1N1)	A (H3)	A (not subtyped)	Type B	Total influenza	No. Tested	Positivity
12	3/15—3/21	0	0	0	8	2	10	75	13%
13	3/22—3/28								NR
14	3/29—4/4								NR

NR - weekly positivity **not reported** for <5 tests



## Clark County Public Health Influenza Resources

### Influenza Overview:

<https://www.clark.wa.gov/public-health/flu>

### Information for Schools and Child Day Cares:

<https://www.clark.wa.gov/public-health/schools-child-day-cares>

### Clark County Public Health—Resources for Healthcare Providers:

<https://www.clark.wa.gov/public-health/long-term-care-facilities>

- ⇒ Guidance for Outbreak Preparation and Management
- ⇒ Influenza Outbreaks in LTCFs: Frequently Asked Questions
- ⇒ Tamiflu Standing Order Template
- ⇒ Sample Line List Document
- ⇒ Inter-Facility Transfer Form

### Latest Weekly Influenza Update (Full Version):

<https://www.clark.wa.gov/sites/default/files/dept/files/public-health/CD/Influenza/ClarkCountyWeeklyInfluenzaUpdate.pdf>



## State and National Influenza Resources

National influenza surveillance data are available at:

<http://www.cdc.gov/flu/weekly/>

Washington influenza surveillance data are available at:

<http://www.doh.wa.gov/Portals/1/Documents/5100/420-100-FluUpdate.pdf>

Oregon influenza surveillance data available at:

<http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/DiseaseSurveillanceData/Influenza/Pages/surveil.aspx>

Recommendations of the Advisory Committee on Immunization Practices – ACIP – Influenza 2017-2018:

<https://www.cdc.gov/mmwr/volumes/67/rr/rr6703a1.htm>

Disease outbreak news from the World Health Organization (WHO):

<http://www.who.int/csr/don/en/>



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