

Influenza Update

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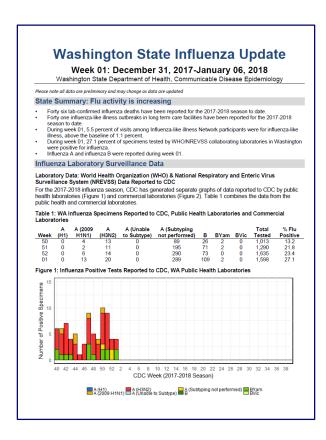




Influenza Report

- Released monthly in summer
- Released weekly Oct to May

 Many local health jurisdictions also produce reports



What is Reportable in WA

- Lab-confirmed influenza deaths
- Outbreaks of influenza-like illness in long term care facilities
- Suspected novel influenza cases



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- Outbreaks of influenza-like illness in long term care facilities
- Suspected novel influenza cases

Rely heavily on voluntary reporting to understand flu activity



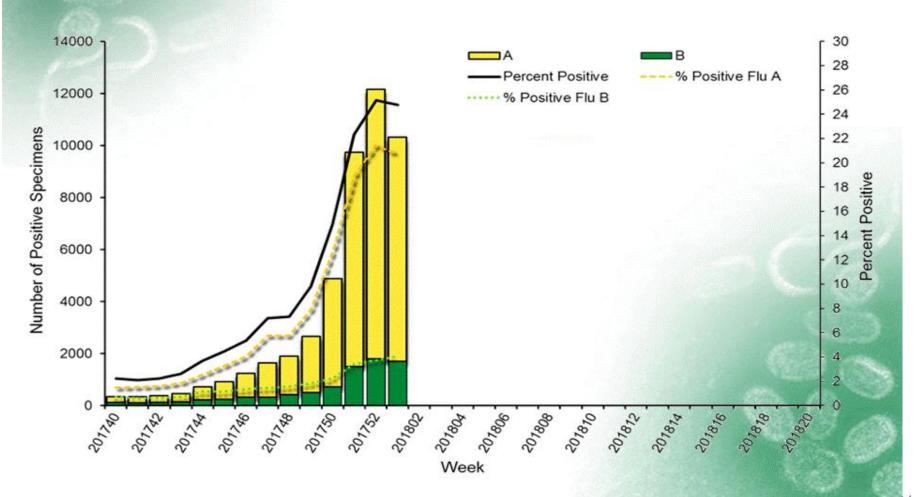
National Influenza Activity 2017-2018





A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, 2017-2018 Season

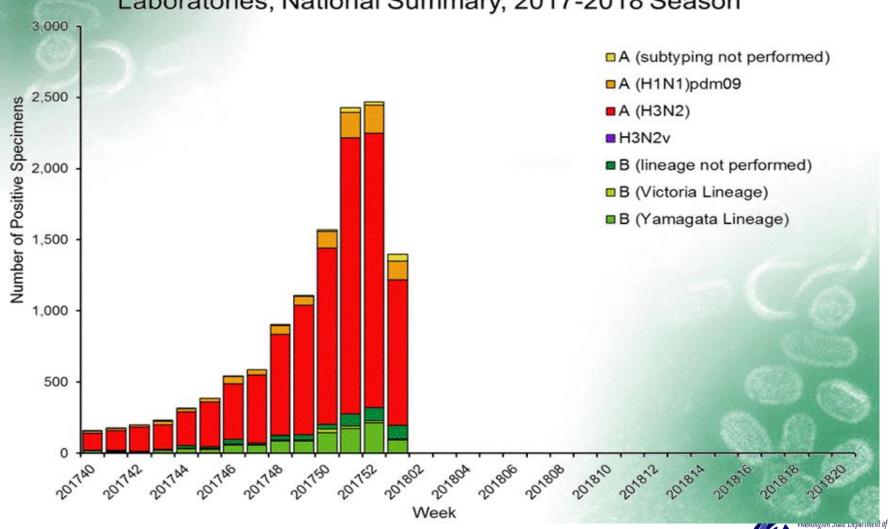






A Weekly Influenza Surveillance Report Prepared by the Influenza Division

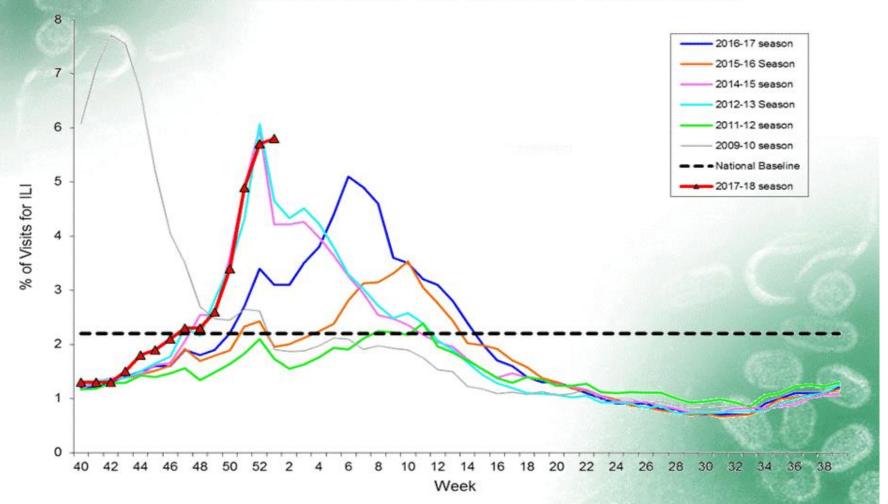
Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories, National Summary, 2017-2018 Season





A Weekly Influenza Surveillance Report Prepared by the Influenza Division

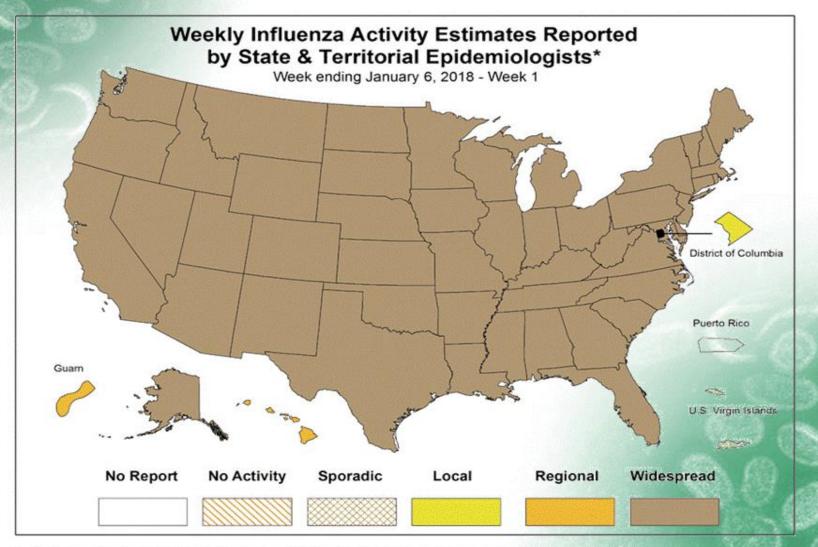
Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2017-2018 and Selected Previous Seasons







A Weekly Influenza Surveillance Report Prepared by the Influenza Division



This map indicates geographic spread & does not measure the severity of influenza activity



Vaccine Effectiveness

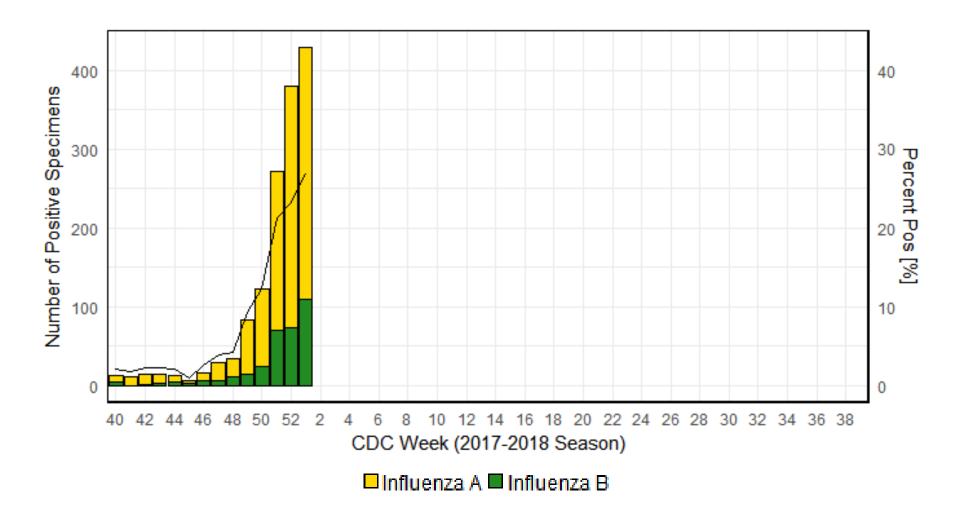
- Estimates should be out in Feb
- CDC has indicated that effectiveness for the H3N2 component (most common subtype being seen now) is believed to be about 30 percent based on early data



WA Influenza Activity 2017-2018

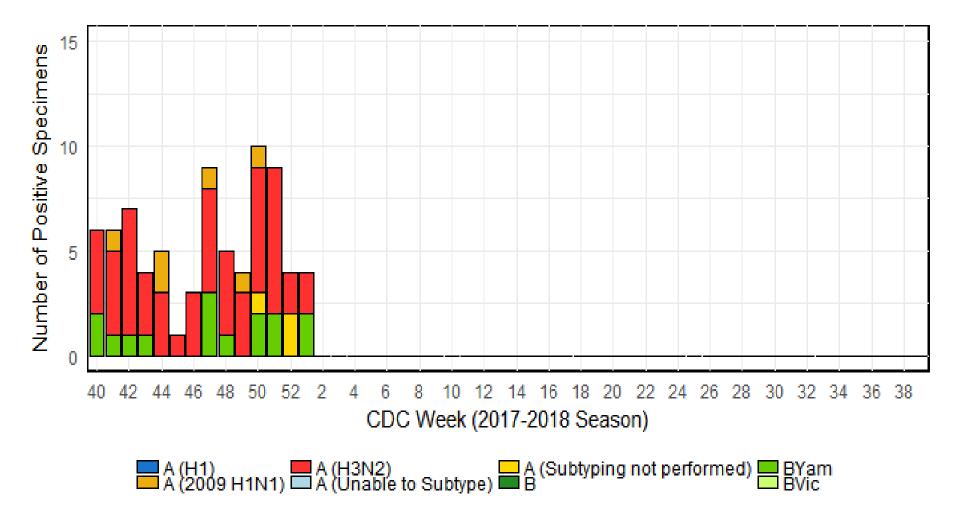


WA Influenza Laboratory Data



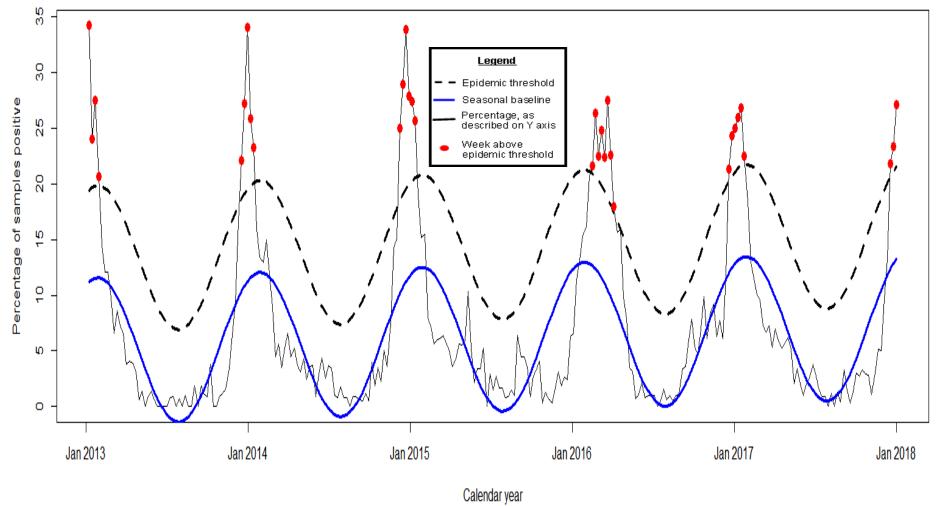


WA Influenza Laboratory Data





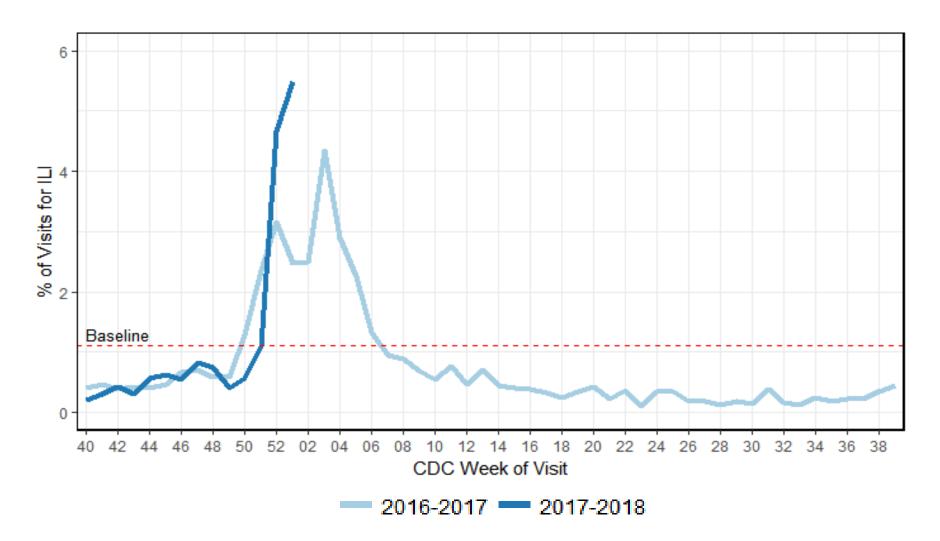
Percentage of Specimens Positive for Influenza, WHO/NREVSS labs



Thanks to Elaine Nsoesie

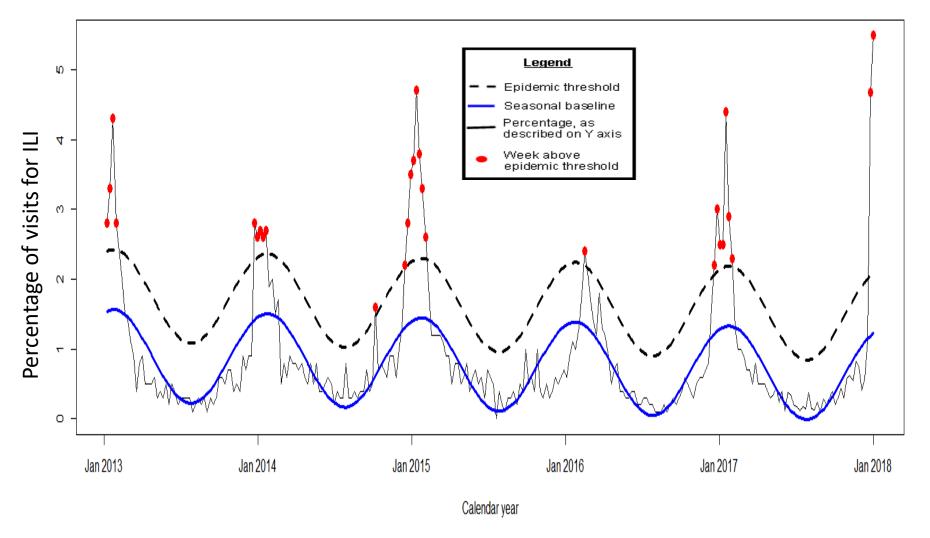


WA ILINet Data



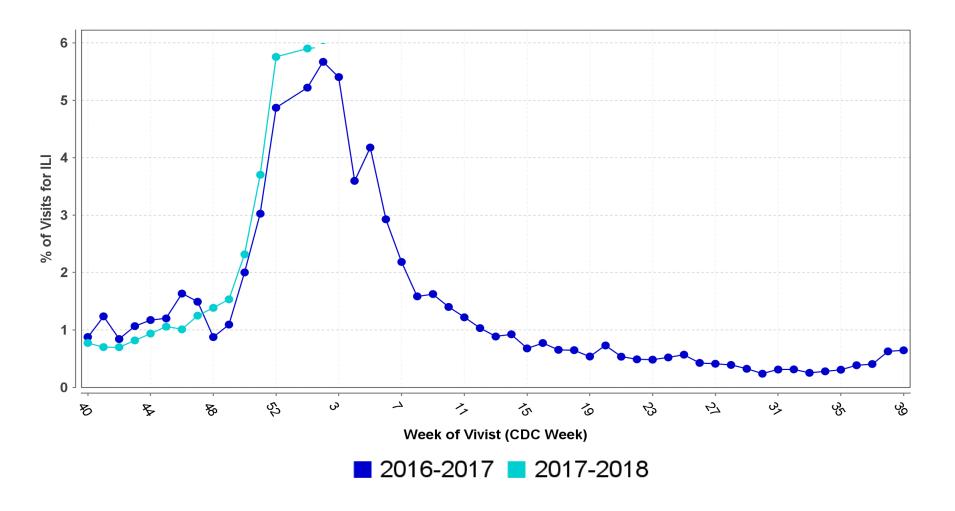


Percentage of Visits for ILI, Sentinel Providers





WA ESSENCE data





WA Lab-Confirmed Influenza Deaths

Season	Number of Deaths	
2017-2018, to date	46	
2016-2017, total	278	
2015-2016, total	67	
2014-2015, total	156	
2013-2014, total	80	
2012-2013, total	54	

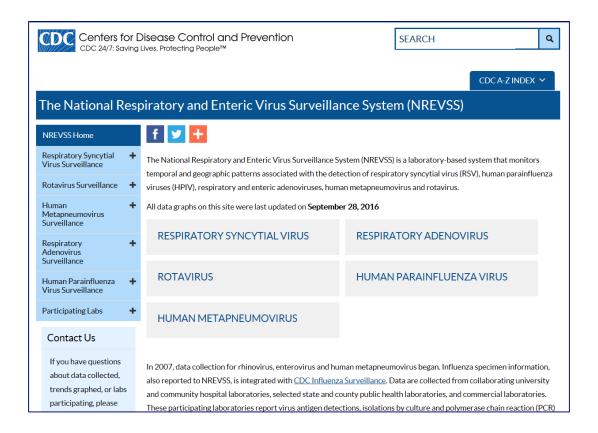


WA Lab-Confirmed Influenza Deaths, 2017-2018

Age Group (in years)	Number of Deaths	
0–4	0	
5–24	0	
25–49	3	
50–64	8	
65+	35	
Total	46	



National Respiratory and Enteric Virus Surveillance System



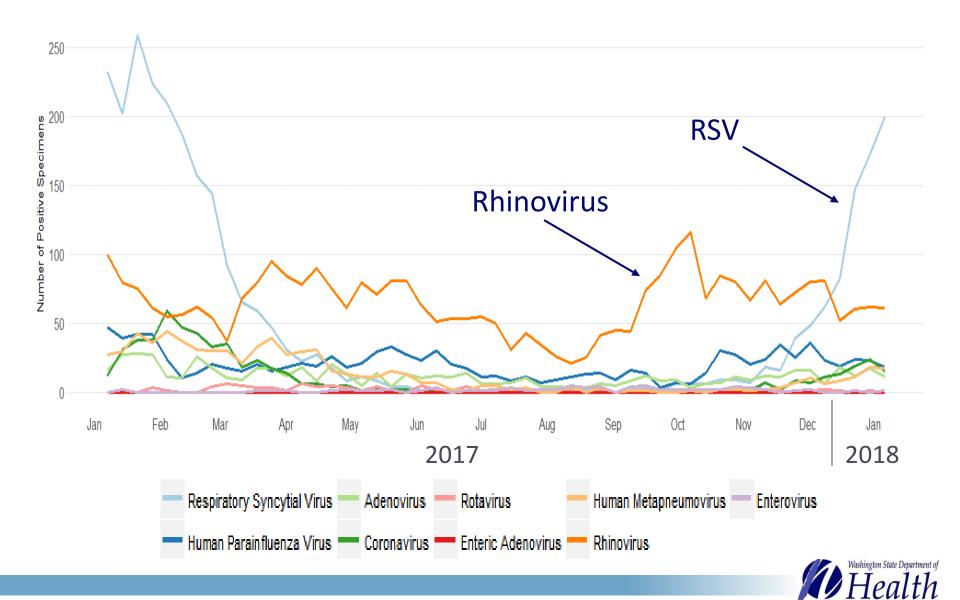


Labs Submitting Non-Flu Data





Respiratory and Enteric Viruses, 2017-2018

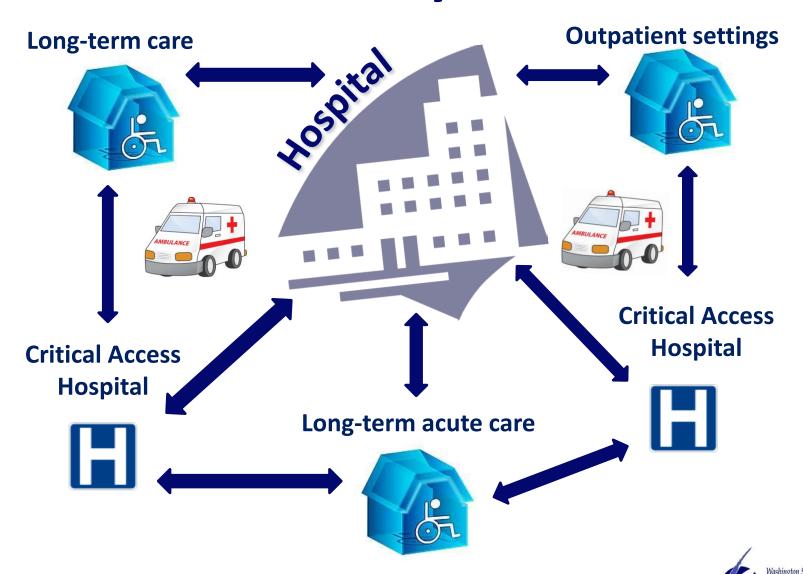


RStudio

- R is a free, open source data analysis software
- The weekly flu report is an R Markdown file
- Download datasets and 'Knit' together the report
- Code could be modified for use by LHJs



Health System



- Amy Abbott
- Elyse Bevers
- Holli Bruce
- Derel Glashower
- Candace Goehring
- Joni Hensley
- Laura Hoffman
- Nhan Le
- Nicola Marsden-Haug
- Patty Montgomery
- Malia Nogle
- Jeni Nybo
- Brenda Orffer
- Sara Podczervinski
- Krista Rietberg
- Madison Riethman
- Tashina Robinson
- Lisa Stubenrauch
- Deb Ward
- Jeff West

Workgroup convened over summer 2017 to review and revise the long term care facility influenza-like illness materials available on the DOH website

Members from long term care, DOH, LHJs, DSHS



Flu Outreach to Long Term Care

Insert Local Health Jurisdiction Logo

QUICK GUIDE FOR LONG TERM CARE FACILITIES—INFLUENZA OUTBREAKS

NFLUENZA VACCINATION	AT A GLANCE	
Vaccinations can decrease likelihood of an outbreak, and in the event of an outbreak, can decrease hospitalizations and deaths among residents. The Centers for Disease	Incubation period:	1-4 days (avg. 2)
Control and Prevention (CDC) recommends annual influenza vaccination for everyone 6 months and older, especially for residents and staff of long term care facilities.	Period of communicability:	1 day before symptoms start up to 10 days after
Vaccinate newly admitted residents and newly hired staff throughout the flu season.		symptom onset Within 1 day of one lab- confirmed case of
Keep a record of vaccination status of residents and staff.	Report to Public Health	
DIAGNOSIS		influenza or ≥ 2 cases of influenza like illness
Common symptoms of influenza include: fever, fatigue, headache, cough, sore throat, runny or stuffy nose, chills, and muscle aches.	Oseltamivir:	Treatment: 75 mg twice daily for 5 days
Elderly patients may experience more subtle symptoms, including anorexia, mental status changes, pneumonia, low-grade or no fever, worsening of chronic respiratory conditions or congestive heart failure.		Prophylaxis: 75 mg once daily for a minimum of 2 weeks, continuing for at least 7 days after
Familiarize yourself with signs and symptoms of influenza-like illness in the elderly.		identification of last
Even if influenza activity is low in the community, influenza testing should occur when any		known case
resident has signs and symptoms that could be due to influenza, and especially when two residents or more develop respiratory illness within 72 hours of each other.	Lab testing:	Rapid influenza diagnostic test;* Viral cell culture; RT-PCR
TREATMENT vs. PROPHYLAXIS		*negative test does not rule out influenza
Antiviral Treatment: Give antiviral medication to all residents and staff with confirmed or	Further	https://www.doh.wa.gov
suspected influenza-like illness. Antiviral treatment can shorten the duration of fever, illness symptoms, and hospitalizations, and may reduce the risk of complications such as	information	/ForPublicHealthandHeal
nness symptoms, and nospitalizations, and may reduce the risk of complications such as	including CDC	thcareProviders/PublicH

www.doh.wa.gov/ForPublicHealthandHealthcareProviders/PublicHealthSystemResourcesandServices/Immunization/InfluenzaFluInformation



New and Revised Materials

- <u>Guidance for long term care facilities (PDF)</u> (Washington State Department of Health)
- <u>CDC guidance for long term care facilities</u> (Centers for Disease Control and Prevention)
- <u>ILI long term care quick guide for LHJ Modification (Word)</u> (Washington State Department of Health)
- <u>Hospital and long term care transfer and care of flu patients (Word)</u> (Washington State Department of Health)
- <u>FAQs regarding ILI in long term care facilities (PDF)</u> (Washington State Department of Health)
- <u>The Flu Stops Here Staff: Poster for LHJ Modification (Word)</u> (Washington State Department of Health)
- <u>The Flu Stops Here Visitors: Poster for LHJ Modification (Word)</u> (Washington State Department of Health)
- <u>Influenza Outbreak Recognition, Management, and Reporting in Long-Term Care Facilities (PDF)</u> (Washington State Department of Health)
- <u>Streamlining Care Transitions Between Hospitals and Long-Term Care Facilities</u> <u>During Flu Season (PDF)</u> (Washington State Department of Health)

<u>www.doh.wa.gov/ForPublicHealthandHealthcareProviders/PublicHealthSystemResourcesandServices/Immunization/InfluenzaFluInformation</u>

External Review of the U.S. Influenza Surveillance System

CDC and CSTE are convening a meeting of federal, state and local partners in April to:

- Evaluate the objectives, uses, and value of the components of the influenza surveillance system at the national, state, and local levels
- Identify and discuss ideas to improve existing surveillance systems
- Outline plans to achieve a more robust, efficient, and useful surveillance system for influenza at the national, state and local level



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Any suggestions I should bring forth?



Discussion Among Members

- Have you seen much disease?
- Have you noticed any difference in vaccine uptake this year?
- Is there any additional support needed or recommendations for activities the department should be doing?



Questions and Suggestions

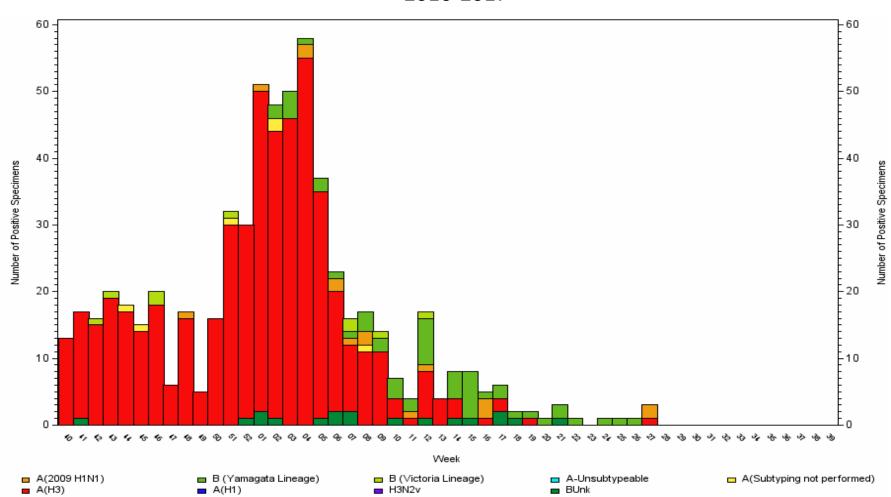
Vivian Hawkins @doh.wa.gov

Elyse Bevers <u>Elyse.Bevers@doh.wa.gov</u>

DOH Communicable Disease Epi main line 206-418-5500



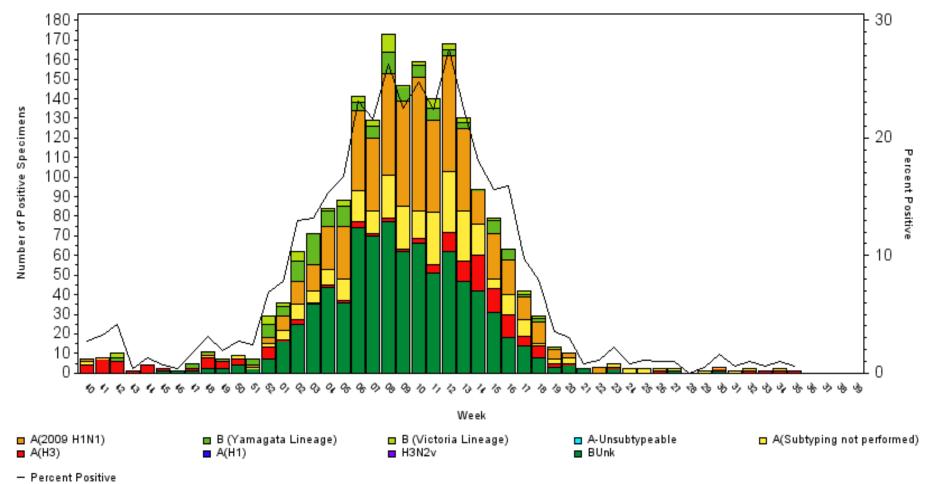
2016-2017



Updated 08/25/2017

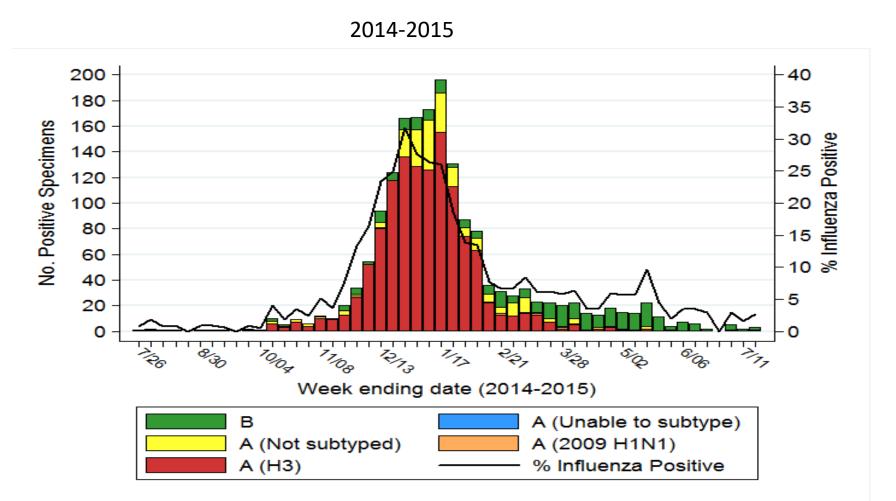
Washington State Department of Health

2015-2016



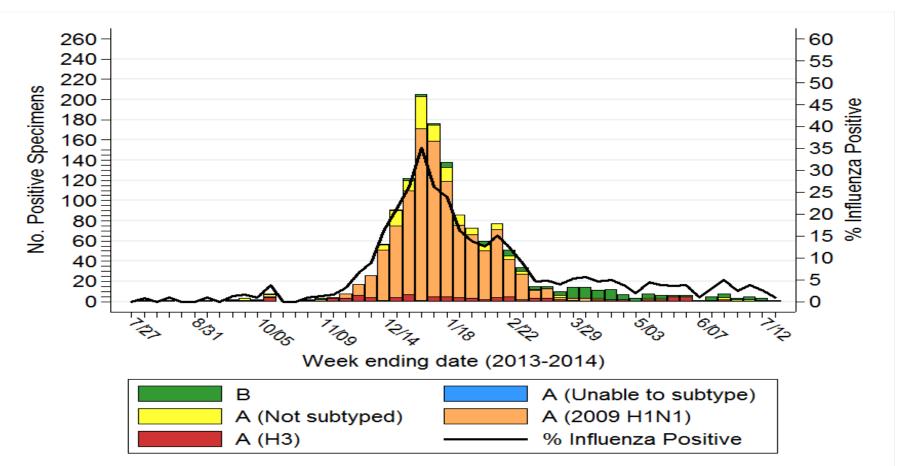
From

Updated 09/09/2016



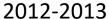
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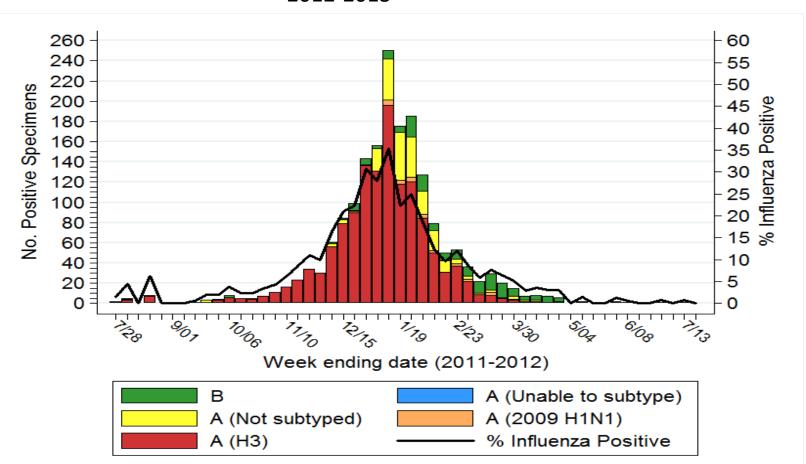
2013-2014



From

Influenza Laboratory Data, WA





From