




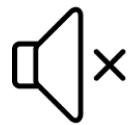
Focusing on Flu During A Global Pandemic

Welcome!

We're glad to have you joining us today.

The webinar will begin shortly. 

Housekeeping



All Participants are muted (please stay on mute)



If you have a question for one of our speakers or have technical difficulty, please type it in the chat box.

A recording of this webinar will be available online after the event. Contact us at VFC.help@state.or.us for more information.

COVID-19, Influenza, & You

Paul R. Cieslak, MD
Oregon Public Health Division
August 13, 2020



Influenza Symptoms

- Fever
- Headache
- Myalgia
- Malaise
- Cough
- Sore throat
- Occasional GI symptoms



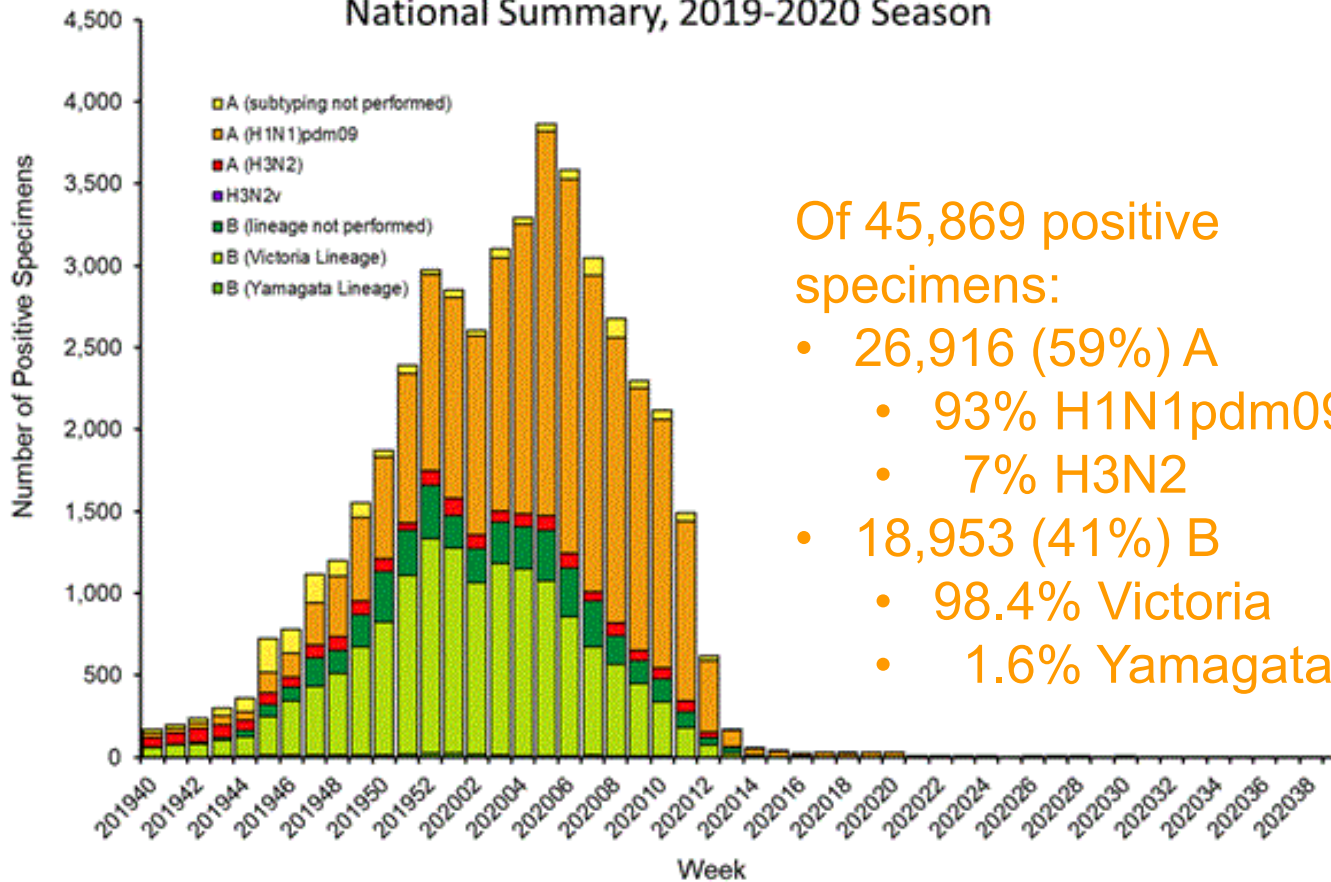
Impact of Influenza in a Typical Year

- 10%–20% ill
- U.S.*
 - ~225,000 hospitalizations
 - ~23,000 deaths
- Oregon
 - ~2,800 hospitalizations
 - ~300 deaths



CDC. MMWR 2010; 59:1057–62.

Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories, National Summary, 2019-2020 Season



Of 45,869 positive specimens:

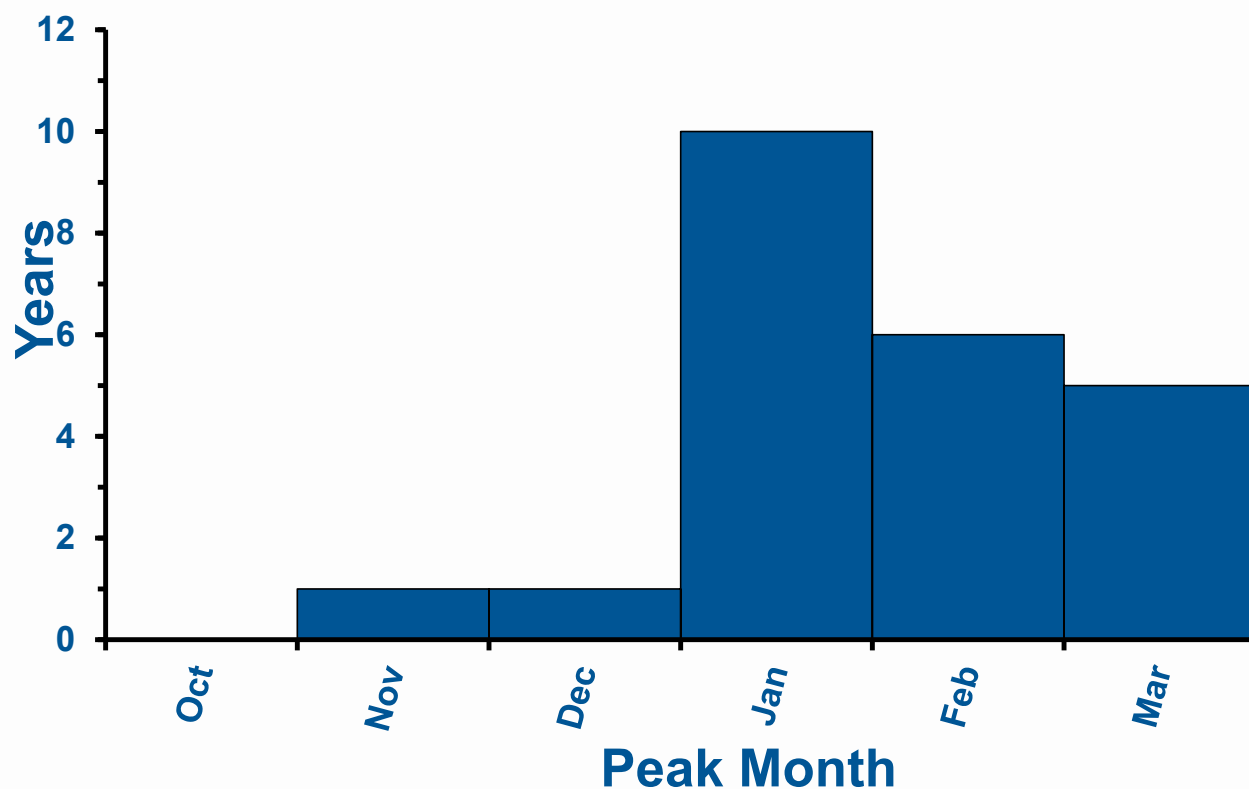
- 26,916 (59%) A
 - 93% H1N1pdm09
 - 7% H3N2
- 18,953 (41%) B
 - 98.4% Victoria
 - 1.6% Yamagata

Oregon Influenza Data

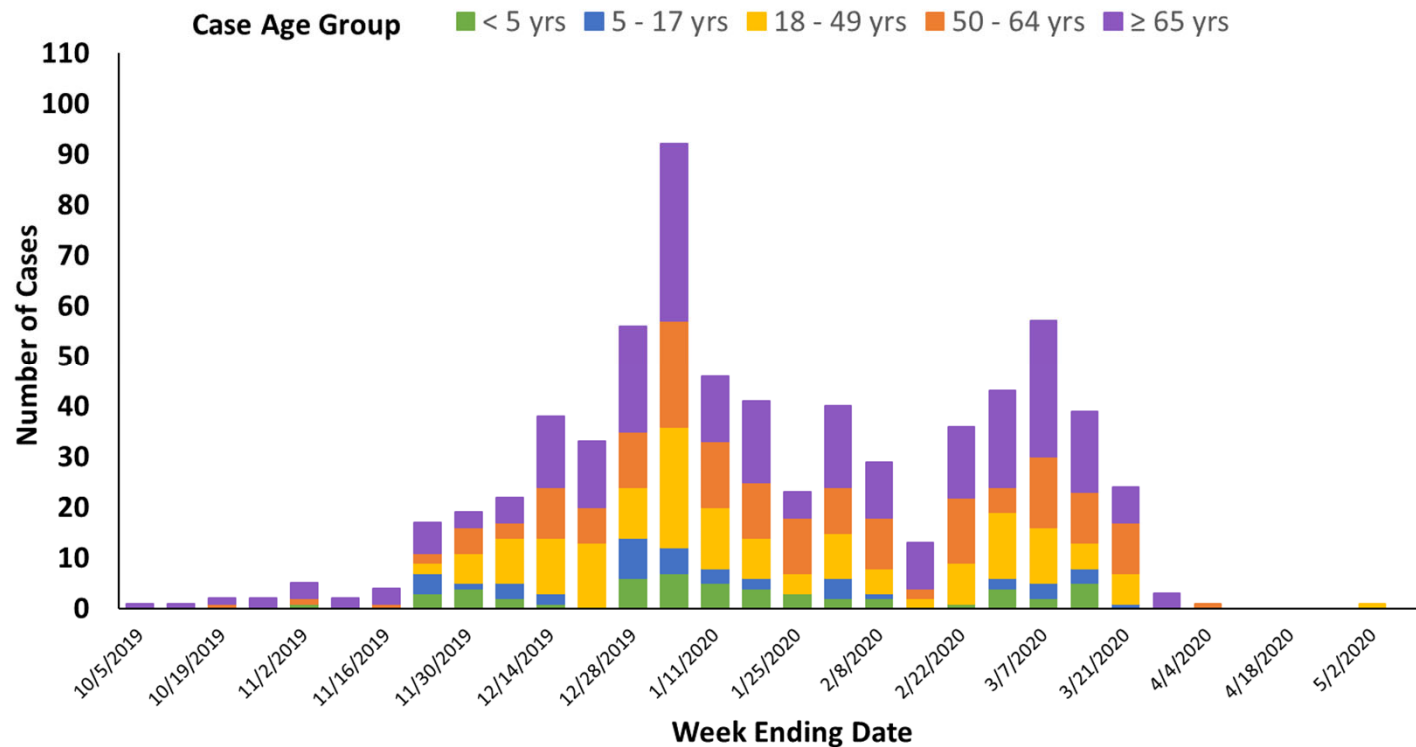
2019–2020 Season

- Flu laboratory positives: 16,142
 - A: 6,046 (37.5%)
 - B: 10,096 (62.5%)
- Metro-area hospitalizations: 690
 - A: 56.2% → A/H1N1: 92.5%
 - B: 43.8% → B/Yamagata: 98.3%
 - Adults: 86.4%, 38.6% ≥65

Peak Month of Influenza Activity Oregon, 1996–2019



Influenza Hospitalizations by Week and Age, Portland Metro Area, 2019–2020



<http://bit.ly/flubites>

Influenza Hospitalization Rates by Age, Oregon EIP, 2011–2020

Season	<5	5–17	18–49	50–64	≥65
2011–2012	4.7	4.4	6.7	10.1	54.2
2012–2013	28.1	8.5	10.1	31.1	155.7
2013–2014	21.9	6.6	23.8	66.9	79.7
2014–2015	23.0	8.0	12.5	36.8	242.3
2015–2016	13.4	6.5	11.3	39.8	89.4
2016–2017	23.6	12.0	21.0	88.8	438.1
2017–2018	54.8	12.3	21.6	119.2	341.6
2018–2019	41.1	17.7	20.7	83.7	289.0
2019–2020	50.9	15.2	18.7	51.3	100.5

Influenza Severity Indices Hospitalized Cases, Oregon EIP, 2014–2020

Season	n	Dominant Strain	ICU	Mech. Ventilation	In-Hosp. Death
2014–2015	810	H3N2	12%	5%	2.8%
2015–2016	466	H1N1	20%	10%	4.3%
2016–2017	1,466	H3N2	16%	6%	3.6%
2017–2018	1,522	H3N2/ H1N1	17%	8%	3.5%
2018–2019	1,305	H3N2	17%	7%	4.1%
2019–2020	690	H1N1/B Yamagata	--	--	3.5%

Influenza v COVID-19

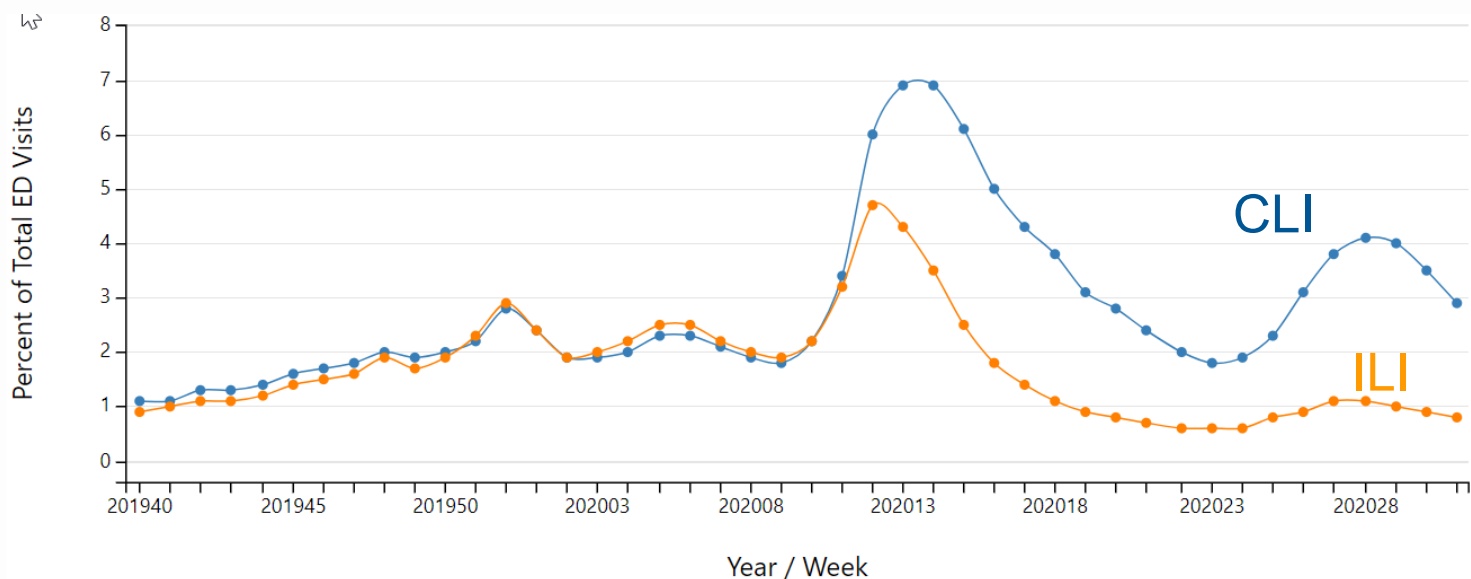
	Influenza	COVID-19
Virus	orthomyxovirus	beta coronavirus
reservoir	birds→humans	bats→humans
Incubation period	1–4 days	2–14 days
Illness	URI, LRI	URI, LRI, sepsis
Transmission	Respiratory droplets Droplet nuclei Contact	Respiratory droplets Droplet nuclei Contact
Contagion	5–7 days?	12 days?
R_0	1.4–4?	2–5?
Infection fatality rate	0.05%–0.1%?	0.3%–0.6%?
Fatality rate, hospitalized cases	2.8%–4.3%	~20%

ILI v CLI

Influenza-like illness	COVID-19-like illness
Temp $\geq 37.8^{\circ}\text{C}$	Fever
Cough or sore throat	Cough, shortness of breath, difficulty breathing, or coronavirus diagnosis code
No other known cause	

CLI and ILI, by Week

United States, 2019–2020



Data from Sept 29, 2019 – August 1, 2020

www.cdc.gov/coronavirus/2019-ncov/covid-data/covidview/index.html

Influenza Vaccine Effectiveness 2008–2020 Seasons

Season	Reference	States	Patients	VE (95% CI)
2008–2009	Unpublished	WI, MI, NY, TN	6,713	41 (30, 50)
2009–2010	Griffin 2011	WI, MI, NY, TN	6,757	56 (23, 75)
2010–2011	Treanor 2011	WI, MI, NY, TN	4,757	60 (53, 66)
2011–2012	Ohmit 2014	WI, MI, PA, TX, WA	4,771	47 (36, 56)
2012–2013	McLean 2014	WI, MI, PA, TX, WA	6,452	49 (43, 55)
2013–2014	Gaglani 2009	WI, MI, PA, TX, WA	5,999	52 (44, 59)
2014–2015	Zimmerman 2016	WI, MI, PA, TX, WA	9,311	19 (10, 27)
2015–2016	Jackson 2017	WI, MI, PA, TX, WA	6,879	48 (41, 55)
2016–2017	Flannery 2019	WI, MI, PA, TX, WA	7,410	40 (32, 46)
2017–2018	Rolfes 2019	WI, MI, PA, TX, WA	8,436	38 (31, 43)
2018–2019	Flannery 2019	WI, MI, PA, TX, WA	10,041	29 (21, 35)
2019–2020	Flannery 2020	WI, MI, PA, TX, WA	8,844	39 (32, 45)

www.cdc.gov/flu/vaccines-work/past-seasons-estimates.html

Two Bad Respiratory Viruses Are a Problem.

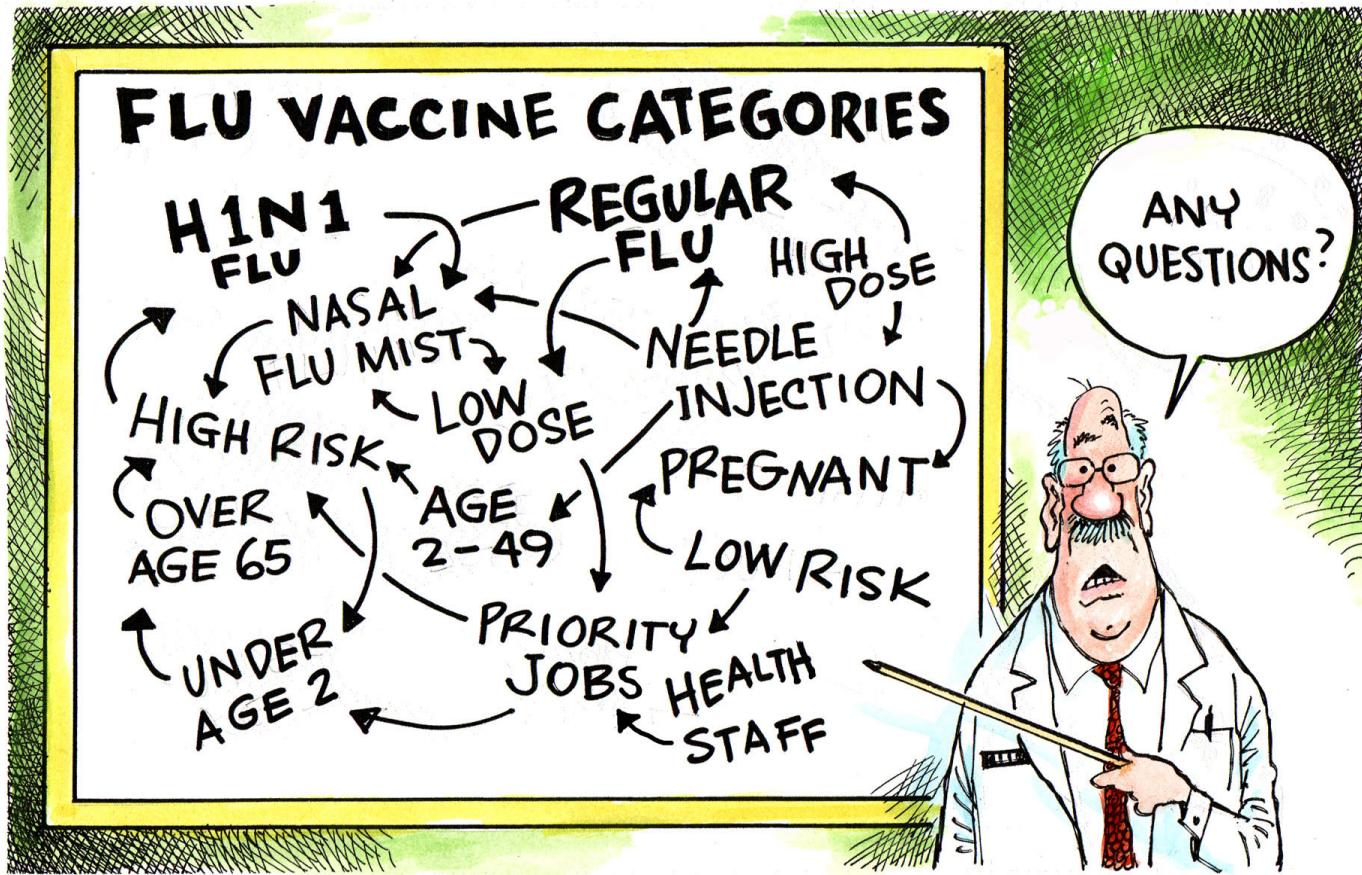
- Similar clinical syndromes
- Similar means of spread
- COVID-19 testing supply already strained
- Influenza vaccine uptake suboptimal
- Influenza vaccine effectiveness suboptimal
- Dual infections with SARS-CoV-2 and other respiratory viruses documented



Our Challenge

- Keep disease transmission low
 - Stay home while sick
 - Stay home if exposed
 - Physical distancing
 - Masking
 - Avoid hand-to-hand contact
- Vaccinate against influenza
- Vaccinate against COVID-19?





DAVE GRANLUND © www.davegranlund.com

DRIVE THRU FLU CLINICS

**BOB DANNENHOFFER, MD
AUGUST 13, 2020**

WHERE IS FLU VACCINE GIVEN?

- 60% at doctor's offices
- 30% at pharmacies
- 3% by public health
- Rest at workplaces or at nursing homes

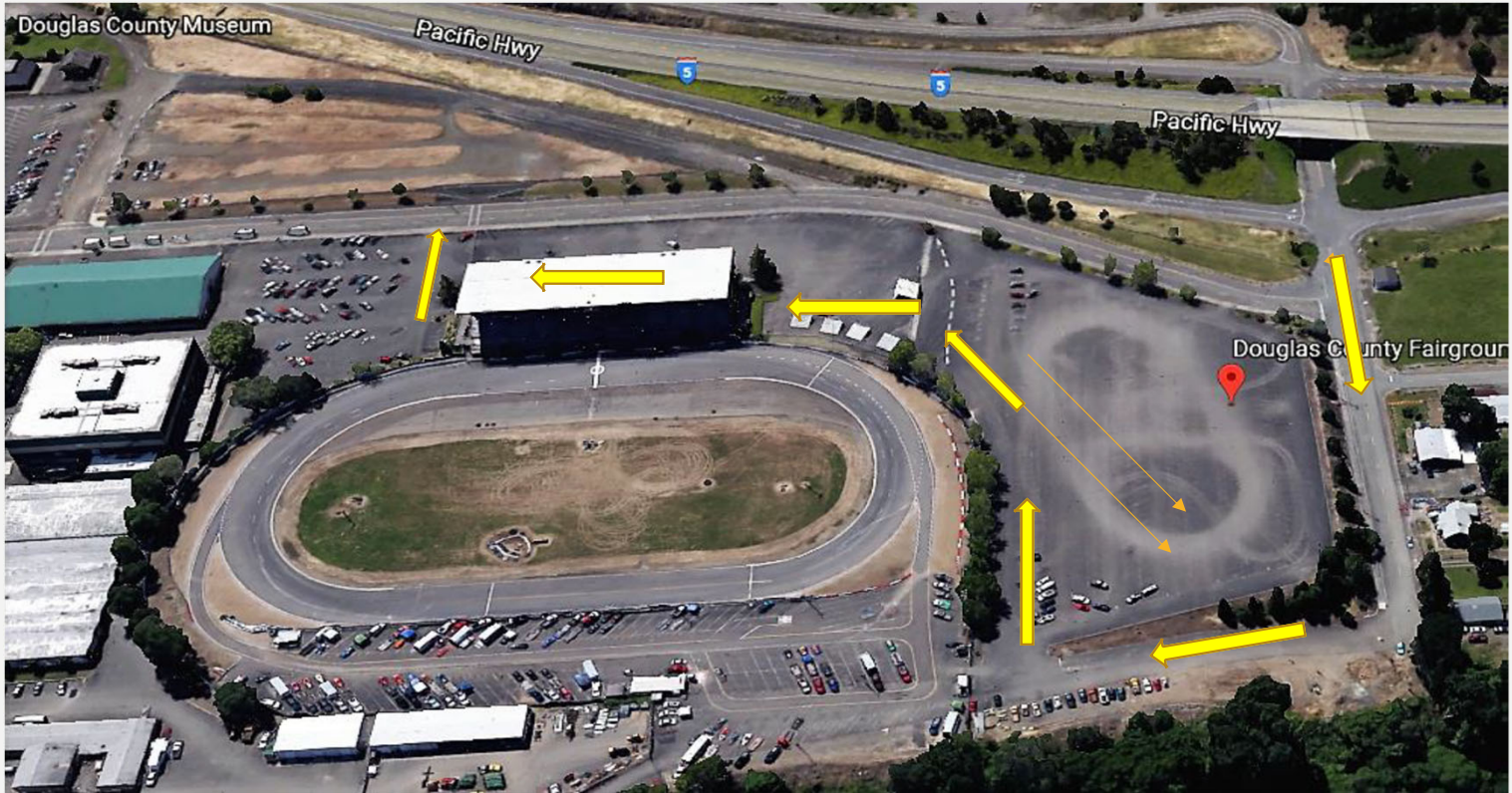
CURRENT FLU DELIVERY SYSTEM

- Not always convenient
- Occasionally associated with other costs
- Not able to “scale”
- Those without insurance may need to pay
- May cause exposure to other sick people



DRIVE THRU FLU CLINICS

- In 2015, Douglas County envisioned the need to have a “point of dispensing” model that could be adapted to testing, medication delivery or vaccine delivery
- With assistance from vaccine program and emergency preparedness, decided upon a drive thru flu clinic
- Have repeated these flu clinics each winter
- Now adapted to drive thru Covid Testing
- Have done 56 drive thru Covid testing clinics since March



DOUGLAS COUNTY FAIRGROUNDS





INVITE COMMUNITY PARTNERS

Fire Department

Emergency Manager

Sheriff's Office

Red Cross

CERT

Hospitals

Healthcare Partners

Media



JUST IN TIME TRAINING

Leave plenty of time – suggest 30 minutes for vaccinators

Prepare important information ahead of time

Use scripts

Deliver training at each shift change

Provide job sheets

DISPENSE ASSIST

VOUCHERS FOR:

- [Anthrax](#)
- [Influenza](#)
- [Plague](#)
- [Tularemia](#)

Additional Languages:

- [Español](#)

Influenza Vaccine Screening

Please complete the screening information below, then press the "Next" button at the bottom of the page for a printable voucher.

Personal Information

First Name: Last Name:

Address:

Address2/Other:

City: State/Territory: --Select One-- Zip/Postal Code:

Telephone: () -

Email:

Date of Birth: mm / dd / yyyy

Sex: Male Female

Medical Information

1. Has this person had a serious reaction to the flu vaccine in the past? Yes No
2. Does this person have an allergy to eggs or egg products? Yes No
3. Has this person ever had Guillain-Barre Syndrome (GBS)? Yes No
4. Is this person allergic to Thimerosal or mercury products? Yes No

By checking the "Agree" box, I acknowledge that I have been offered a copy of the [Vaccine Information Statements](#) (Inactivated/Recombinant and Live, Attenuated) and I consent for the vaccine to be given to me or the person named above for whom I am authorized to sign. If there are any questions, please contact your local Health Department.

I Agree

After completing the screening information, press the "Next" button for a printable voucher.

Next

Clear Form

SPEEDING THINGS UP...

Use Dispense Assist
Pre-print NDC and lot
numbers onto labels

LESSONS LEARNED

- Tremendous community support
- Free is great
- There are a million details, but none are unsurmountable
- Can do 60 per hour per line
- Dwell time of less than 8 minutes
- Practice definitely helps
- If you will ever do it, this is the year
- Will be good practice for a Covid Vaccine drive thru



FINALLY...

Prepare for the
weather!

Immunization Update: Flu in Oregon 2020-21

Erin Corrigan
8/13/2020



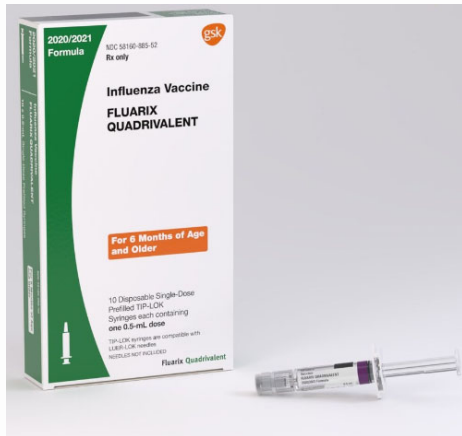
August 13, 2020

Erin Corrigan, MPH

Switching gears...

- Flu Vaccine Supply
- Managing Flu in ALERT IIS
- Adult Flu Vaccine





Flu Vaccine Supply:
PLENTIFUL!

Flu Vaccine Supply



All Clinics:

- State-supplied **VFC flu vaccine**
 - For patients age 6 months through 18 years

Public Clinics

- State-supplied **Adult flu vaccine (Flu Pool)**
 - Vulnerable populations, code as O (317)
- **Locally owned** flu vaccine is marked as “Private” in ALERT
 - For insured patients age 19+

Checking on Flu in ALERT

The screenshot shows the ALERT web application interface. The top navigation bar includes links for home, manage access/account, forms, related links, logout, and help desk. The user is logged in as Erin Corrigan, a Standard User at Erin's Test Clinic.

The left sidebar contains a navigation menu with the following items:

- Training Region 4.3.1
- Patients
 - enter new patient
 - manage patient
- Immunizations
 - manage immunizations
- Reports
 - reminder / recall
 - check reminder status
 - check reminder list
 - manage custom letters
 - check request status
 - vaccine eligibility
 - check vaccine elig status
 - group patients
 - check group status
 - assessment report
 - check assessment benchmark report
 - check benchmark ad hoc list report
 - ad hoc count report
 - ad hoc report status
- Inventory
 - manage inventory
 - manage orders
 - manage transfers
 - shipping documents
 - manage flu
 - request flu

The main content area displays several sections:

- announcements:** A list of recent announcements with dates and links, such as "Vaccine Accountability Report available to Super Users" and "Do-it-yourself Password Reset is HERE".
- release notes:** A section for release notes, including "Release Version 4.3.1" with a link to "more release notes".
- Vaccine Order/Transfer Notification ...** A table showing order and transfer status.

Type	Shipped	Awaiting Return Shipment	Rejected
Order(s)	No Order Notification		
Transfer(s)	No Transfer Notification		
- Active Inventory that is Going to Expire or Expired Lots with a Quantity ...** A table showing inventory details.


Site Name	Trade Name	Lot Number	Funding Source	On Hand	Exp Date
Erin's Test Clinic	Zostavax	H2345a	Privately Purchased	20	01/31/2018
Erin's Test Clinic	Havrix-Adult	51L78	Privately Purchased	30	12/31/2017
- Inventory that is Running Low by Vaccine Group ...** A table showing vaccine group inventory.

Vaccine Group	Funding Source	Quantity On Hand
No vaccine groups have a low inventory.		
- Inventory that is Running Low by Trade Name ...** A section for trade name inventory.

Checking on Flu in ALERT: Manage Flu

organization ERIN'S NEW CLINIC • user Erin Corrigan • role Standard User

Vaccine Request Status

Take doses from current vaccine allocation... 

Change previously requested vaccine amounts...

Return to the previous screen...

Vaccine Request List

Event Test Flu Prebooking for 2018

Select	Trade Name	Packaging	Manufacturer	Type	Initiating User	Request Date	Request Status	Place in Queue	Total Amt Requested	Total Amt Allocated	Total Drawn Down	Amt Available Now
<input checked="" type="checkbox"/>	AFLURIA Quad PF	10X1 SYRINGES	Seqirus	VFC	Erin Corrigan	08/15/2018	Prebooked	1 of 2	100	50	0	50
<input type="checkbox"/>	Fluzone Quad PF 0.25mL	10X1 SYRINGES	Sanofi Pasteur Inc.	VFC	Erin Corrigan	08/15/2018	Prebooked	2 of 4	10	0	0	0

Draw Down (Order) Flu in ALERT When Doses are Available

Vaccine Draw Down

VFC PIN	00000N	Delivery Contact	ERIN CORRIGAN
Initiating Organization	ERIN'S NEW CLINIC	Delivery Address	4012 SW 11TH
Initiating User	Erin Corrigan		MANZANITA, OR 97011
Org Phone	(541) 987-1235	Delivery Days/Hours	Tuesday 8 AM TO 3 PM
Org Fax			Wednesday 8 AM TO 11 AM, 1 PM TO 5 PM
			Thursday 8 AM TO 3 PM

Ship # Doses from current vaccine allocation...

Ship all doses in full quantity allocated...

Do not ship any doses at this time, hold for later...

Do not accept any of the current doses and return them to the state...

Return to the previous screen...

# Doses	Trade Name	Packaging	Manufacturer	Type	Doses Requested	Current Doses Allocated	Min Order Qty	Outstanding Doses
50	AFLURIA Quad PF	10X1 SYRINGES	Seqirus	VFC	100	50	10	50

Exciting Planned Projects

- Outreach using mobile van to vaccinate Benton Co Assisted Living Facilities
- Clackamas Co Community Paramedic delivers vaccines to houseless populations
- DHS contract nurses to bring vaccines to all Adult Foster Care Homes statewide (residents and staff)
- “Public Access Providers” enrolled with OIP

Oregon CARES Influenza Project

- Protect our communities most affected by COVID, preserve our healthcare system, prepare for COVID vaccine distribution and administration.
- Includes funding for LPHAs & Tribes, communication tools, and special projects to test novel vaccination administration projects.
- 70K doses of influenza vaccine at no cost available to all enrolled providers – let us know your ideas!
- Enroll with us if you can help and if you intend to be a COVID vaccine provider.

ALERT IIS training resources

Live webinars & on-demand content
Learn more about ALERT IIS reports

The screenshot displays the ALERT IIS website interface. At the top, the header reads "ALERT Immunization Information System" with navigation tabs for HOME, FORMS, RELATED LINKS, and TRAINING. A left sidebar contains a "Production Region" dropdown, login fields for "Org Code", "Username", and "Password", and a "Login" button. Below the login fields, a warning states: "DO NOT ATTEMPT TO LOG ON UNLESS YOU ARE AN AUTHORIZED USER." A "Forgot Password?" link is also present. The main content area features a "Hot Topics" section with a "NOTICE: ALERT IIS Help Desk Changes" dated 11/18/2015. A "Public Health" dropdown menu is open, listing various resources such as "ALERT Immunization Information System", "Enrollment in ALERT IIS", "Adult Provider Resources", "Basic Training", "Super User Training", "ALERT IIS Reports Training", "Patient Query-View Only Access", "Vaccine Inventory Training", and "Vaccine Ordering Training". A "2-1-1" logo is visible at the bottom of the menu. The background shows a blurred view of the website's main content, including a search bar and a description of the ALERT IIS system.

**HOURS of OPERATION:
Mon-Fri , 9-4**



ALERT IIS Help Desk
800-980-9431
alertiis@state.or.us

- Reset passwords
- Set up new user account
- Report duplicate patient records
- Functionality questions



VFC Help Desk
971-673-4VFC
VFC.help@state.or.us

- Vaccine ordering
- Temperature excursions
- VFC compliance
- Enrollment



Focusing on Flu During A Global Pandemic

Thank you!

Thank you for joining us today, we hope you found the session informative. If you have additional question or requests, please contact our VFC help desk:

VFC Help Desk
971-673-4832
VFC.help@state.or.us