

**SCHOOLS,
COVID-19 &
SHARED
UNDERSTANDINGS**



PPS' DATA-INFORMED COVID-19 JOURNEY:

DR. RUSSELL BROWN
PPS CHIEF OF SYSTEMS
PERFORMANCE



Guiding Principles for COVID Planning



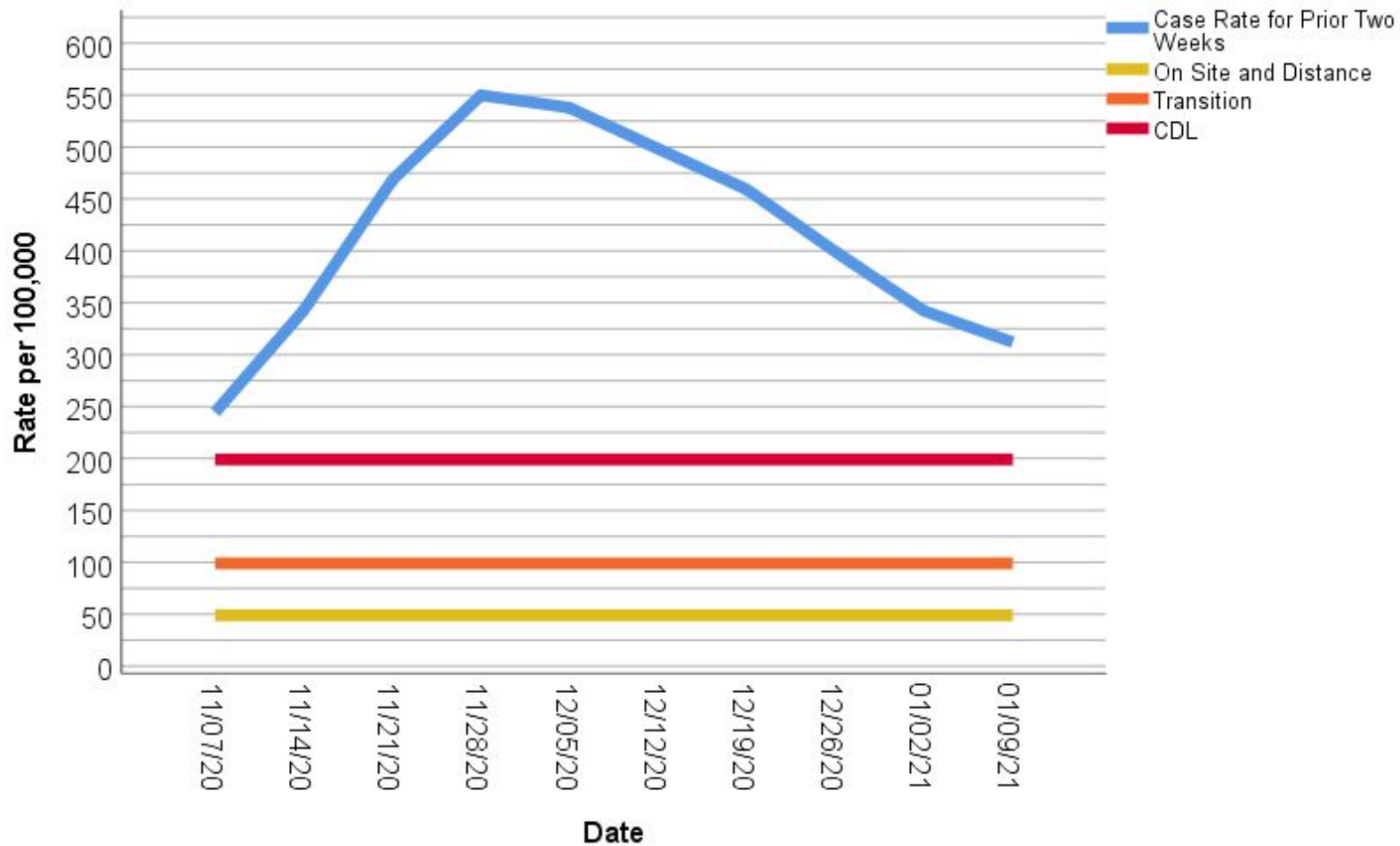
*System Shift: A Culture of
Physical & Emotional Safety*

Ensure Health & Wellness
for Staff, Students &
Buildings

- Center Racial Equity and Social Justice
- Ensure the Health and Wellness of our staff and students
- Cultivate Connection and Relationship
- Strengthen and Innovate the Instructional Core



Multnomah County Case Rate for Prior 2 Weeks





METRICS & MODELS	ON-SITE	ON-SITE AND DISTANCE LEARNING	TRANSITION	DISTANCE LEARNING
County Case Rate per 100,000 People Over 14 days	<50.0	50.0 to <100.0	100.0 to \leq 200.0	>200.0

- As expected, our case remain high in comparison to October -
 - 10/18: 140 over 2 weeks
 - 01/09 312
- Test positivity has gone up to 6%



Complex Path to Return

- Multiple perspectives regarding opening
- The constraints of our physical settings
 - 35 Square Feet per Student
 - Cohorting
 - Air quality
- Timing
 - Post-holiday wave
 - Vaccination timelines
- Negotiations



PPS HEALTH ADVISORY PANEL



DR. PETER GRAVEN, PHD

**Affiliate Assistant Professor
OHSU-PSU School of Public
Health.**



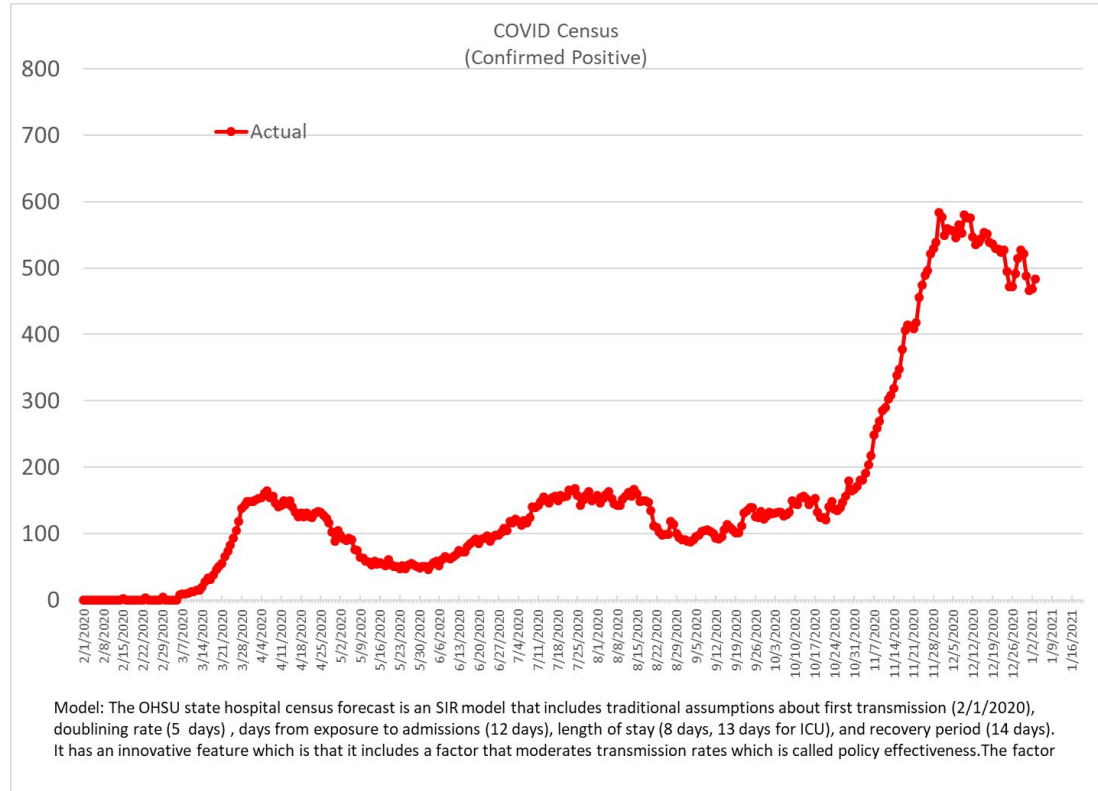
COVID Data Trends and Models

Edition: 1/12/2021

Peter Graven, PhD; OHSU

Hospitalized Patients

After peak of 584 on 11/30, census has only declined to 479 as of 1/4/2021.



Source:

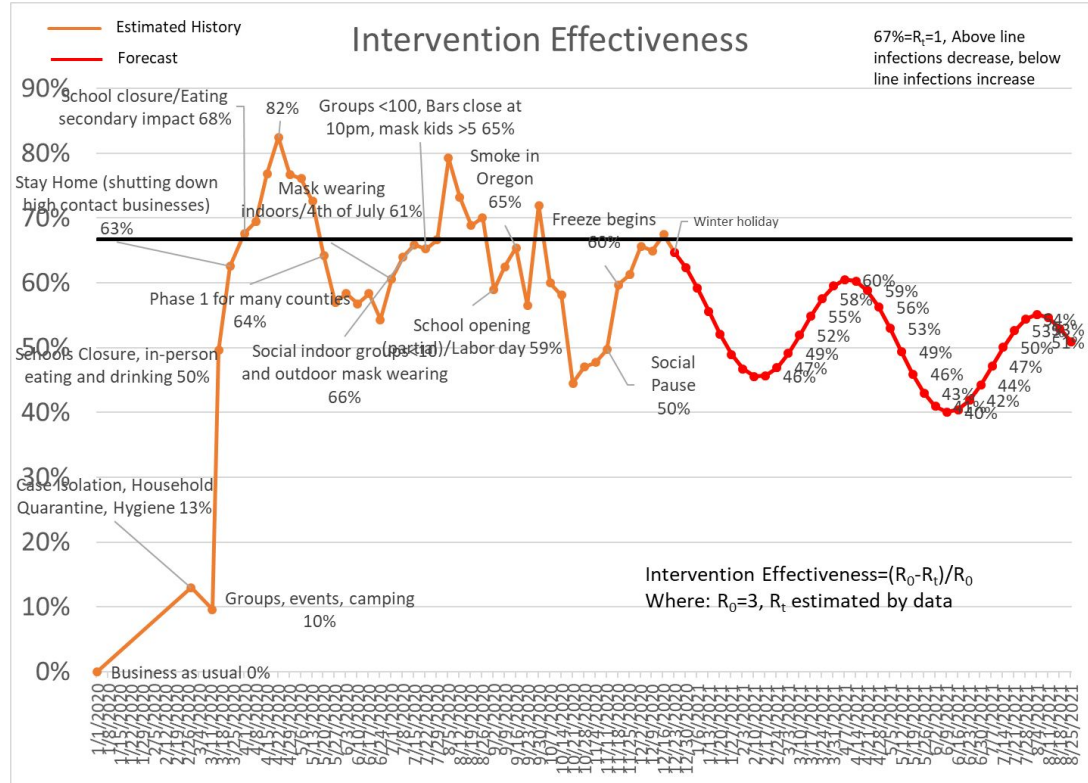
<https://public.tableau.com/profile/oregon.health.authority.covid.19#!/vizhome/OregonCOVID-19HospitalCapacitySummary>

Tables_15065754787060/HospitalizationbySeveritySummaryTable

Long Term Model-Intervention Schedule

The long term forecast shows the fear and fatigue cycles continuing.

It also includes a trend toward reduction in effectiveness over time.

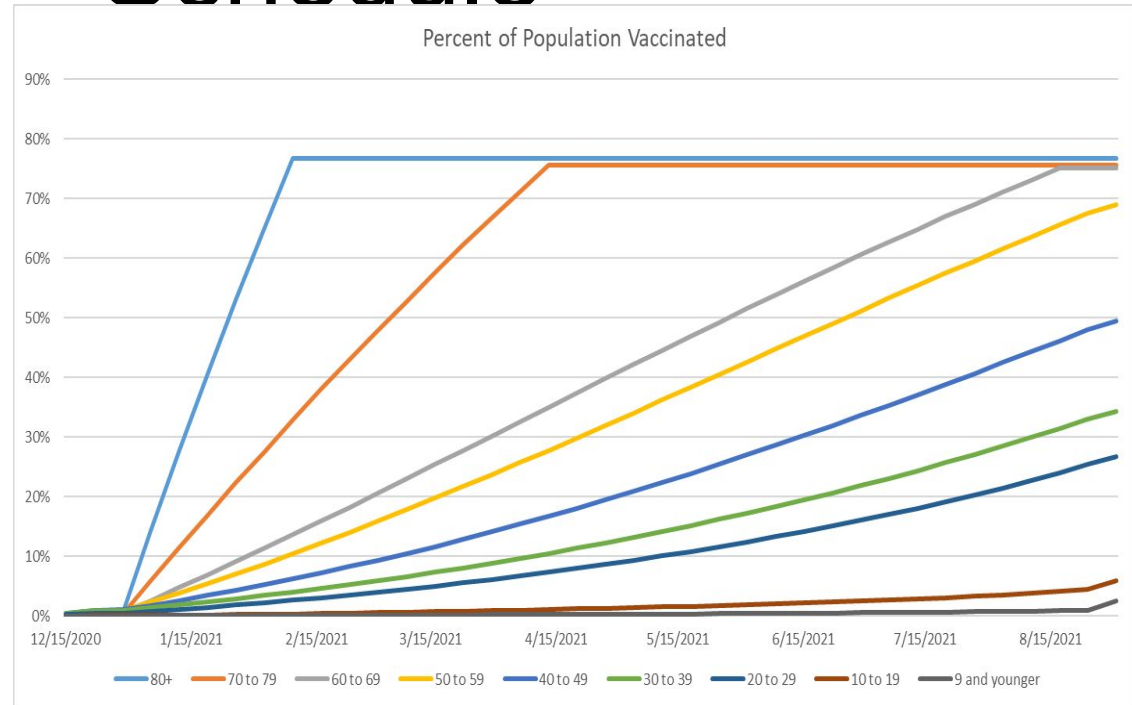


Long Term Model-Vaccine Schedule

Schedule shows the percent of population vaccinated by date assuming 10k per week are possible.

Recent statement indicate the expectations should be 12k per day. So this may underestimate actuals.

The priority by age has not yet been observed as more workers are receiving the vaccine.

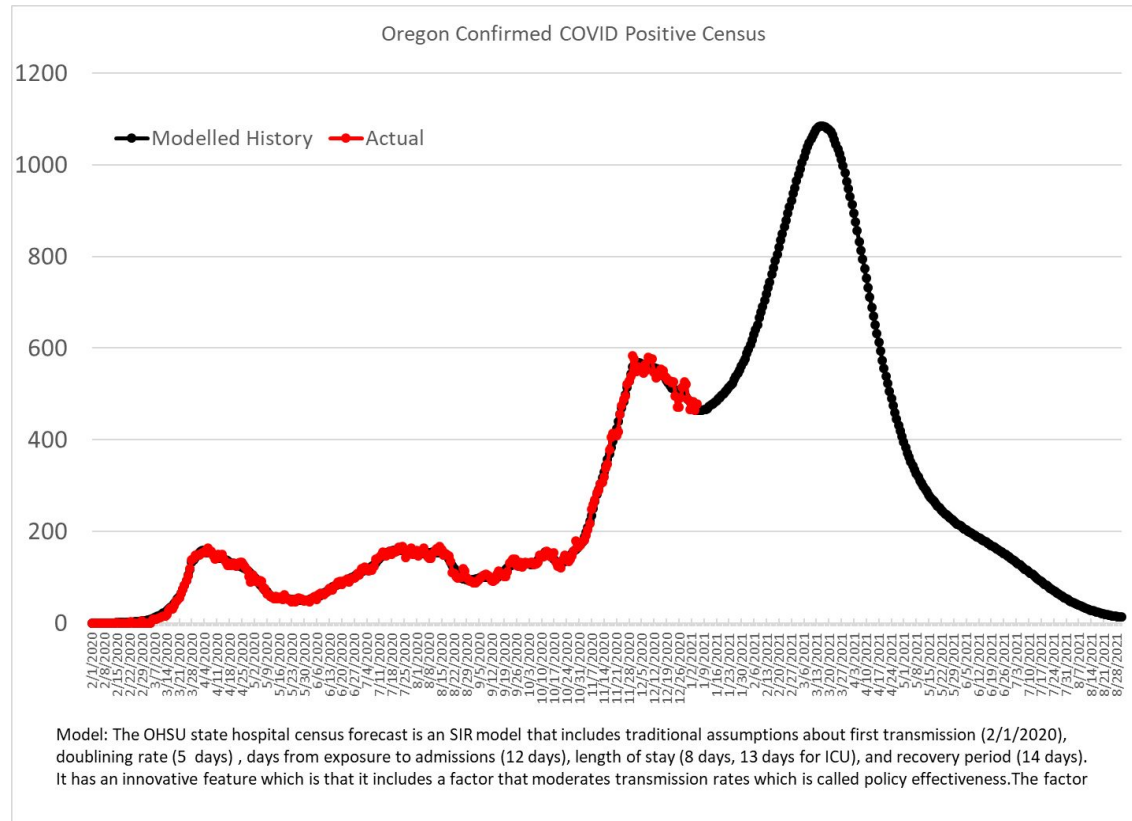


Long Term Model-Census Forecast

Oregon is expected to have distinct second winter wave.

Impacts of vaccine bring to more manageable levels by April/May.

This does not include impact of Variant B.1.1.7 that is expected to increase transmissibility of COVID in Oregon.



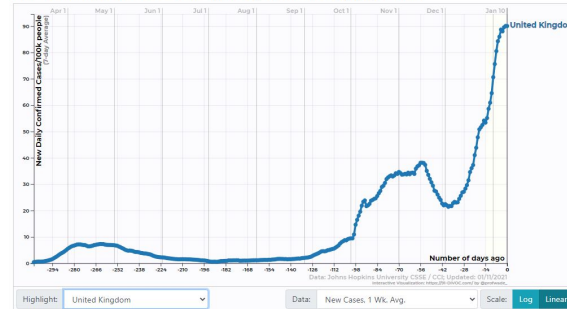
B.1.1.7 Variant Driven Spikes

Countries with a large share of Variant (B.1.1.7) have experienced large winter surges.

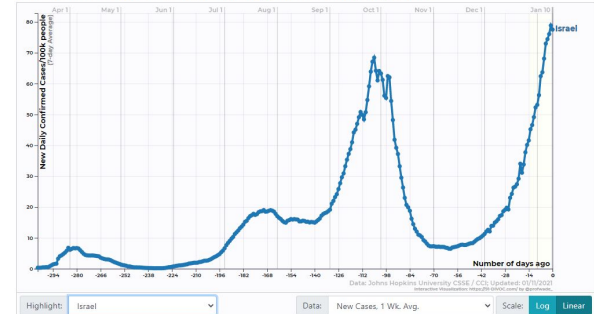
The charts show spikes in UK, Israel, Ireland and Portugal.

Germany has low rate of variant and has not had similar spike.

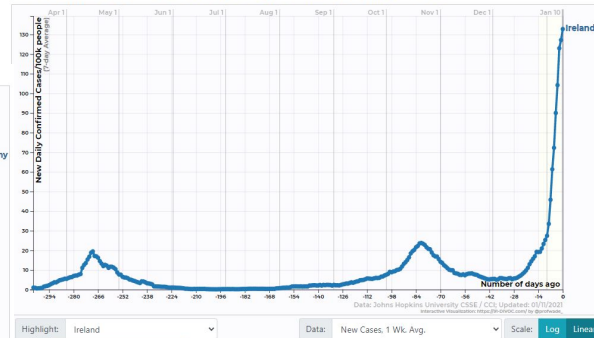
New Confirmed COVID-19 Cases per Day, normalized by population



New Confirmed COVID-19 Cases per Day, normalized by population



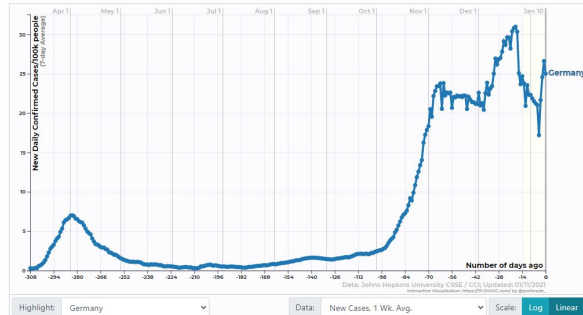
New Confirmed COVID-19 Cases per Day, normalized by population



New Confirmed COVID-19 Cases per Day, normalized by population



New Confirmed COVID-19 Cases per Day, normalized by population



Long Term Model-Specs

Assumptions

- 1) Vaccine schedule by week through 8/31/2021 (approx. 10k per day after start-up)
 - Project number replaced by actuals as they become known
- 2) Vaccine acceptance rate (75%)
- 3) Lagged affect on protection (2 weeks until vaccinated have protection)
- 4) Efficacy of vaccine (54% at first dose, 95% after second dose at 24 days)
- 5) Impact on hospitalization rate of new cases
 - Vaccine schedule prioritizes older individuals
- 6) Fear and Fatigue cycle of intervention effectiveness estimated with sinusoidal function (approx. 8 weeks/each)
- 7) Ascertainment rate- True infected are estimated to be 3.5 times larger than cases.
- 8) Vaccination of previously infected is possible based share of population infected.

Long Term Model-Specs

Limitations

- 1) There are a lot of assumptions for a model like this to work. Rather than it being an expectation of the future it is more of an exercise to see what our best guess is given information we have. The assumptions will change over time.
- 2) Additional dynamics that are not included (yet):
 - 1) Impact of B.1.1.7 variant on transmission rate or vaccine efficacy
 - 2) Whether vaccine only prevents symptoms or also prevents transmission
 - 3) Efficacy differences by age group
- 3) It has not been resolved why the effectiveness appears to be declining over time. It may be an artefact of how the parameter is calculated.

Local Response: Multnomah County Health Department



**JESSICA GUERNSEY, DIRECTOR OF
PUBLIC HEALTH**



Ann Loeffler, MD

**DR. ANN LOEFFLER, DEPUTY
HEALTH OFFICER**



A stylized graphic on the left side of the slide. It features two dark green mountain peaks with white outlines, a dark green wavy band representing a forest or valley, and a dark blue wavy band at the bottom representing water. The graphic is positioned on the left side of the slide, partially overlapping the title area.

PPS Schools Reopening: Updates

Presenters:

Jessica Guernsey, Public Health
Director

Ann M. Loeffler, MD Deputy
Health Officer

January 7, 2020

Today's Briefing

- Vaccination Update
- Multnomah County role in schools reopening process



Vaccine Goals

- Ensure safety and effectiveness
- Reduce transmission, morbidity, mortality
- Minimize disruption to society and the economy, including maintaining healthcare capacity
- Ensure equity



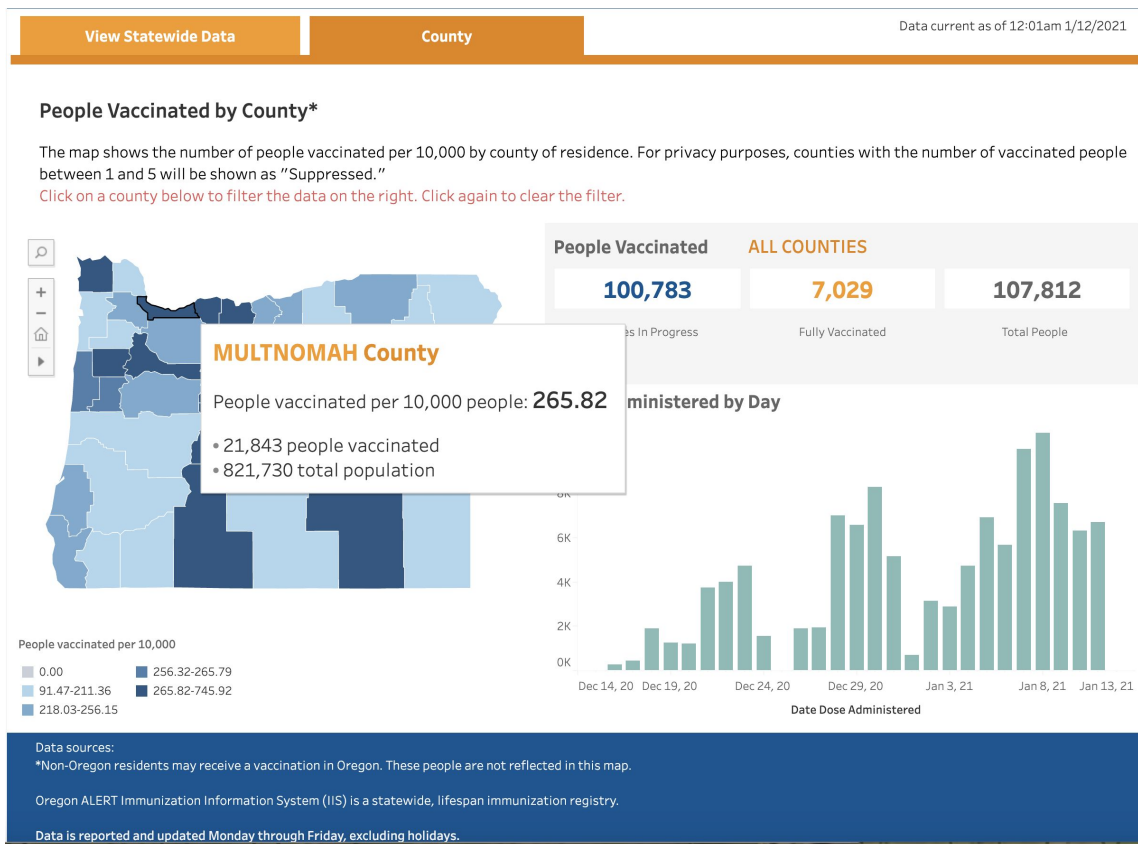
Vaccine Priorities-Phase 1a

There are four groups in Phase 1 a:

- **Group 1:** Hospitals; urgent care; skilled nursing and memory care facility Health Care Providers (HCPs) and residents; tribal health programs; Emergency Medical Services (EMS) providers and other first responders.
- **Group 2:** Other Long Term Care Facilities (LTCFs) and congregate care sites including HCP and residents; hospice programs; mobile crisis care and related services; secure transport; individuals working in a correctional setting.
- **Group 3:** Outpatient settings serving specific high-risk groups; in home care; day treatment services; non-emergency medical transport (NEMT).
- **Group 4:** HCP in other outpatient, public health and early learning settings; death care workers.



Multnomah County Vaccinations

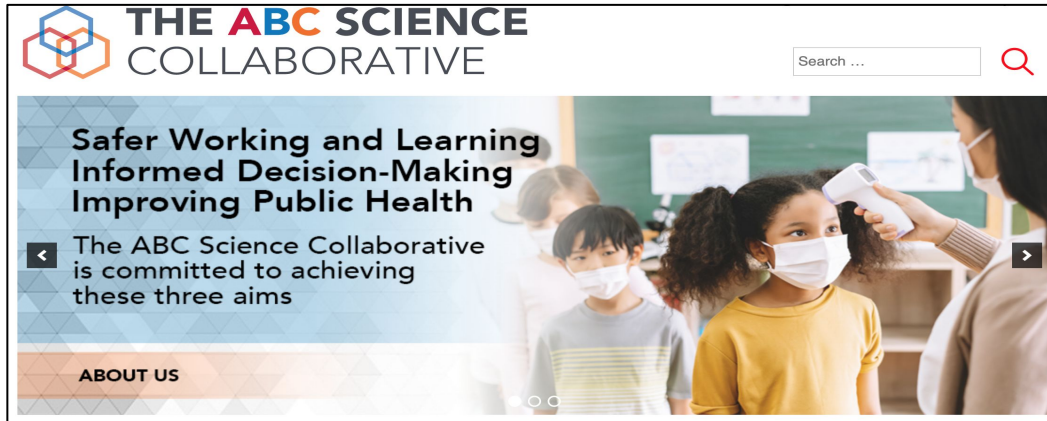


Governor's Advisory Metrics


Category	Case rate/100,000 2 wk average	Test positivity rate	Advisory RSSL Instructional Model
Lower risk	<50	< 5%	<ul style="list-style-type: none">• On-site or hybrid• Cohorting & mask wearing
Moderate risk	50 to <100	5.0 to 8.0%	<ul style="list-style-type: none">• On-site or hybrid• suggest starting with elementary• HS and MS phased in with LIPI after success at primary grades• Cohorting & mask wearing
High risk	100 to < 200	8.0 to \leq 10%	<ul style="list-style-type: none">• Plan for transition to CDL with LIPI• Cohorting & mask wearing
Extreme risk	\geq 200	> 10%	<ul style="list-style-type: none">• CDL with LIPI• Cohorting & mask wearing





Resources




THE ABC SCIENCE COLLABORATIVE

Search ... 

**Safer Working and Learning
Informed Decision-Making
Improving Public Health**

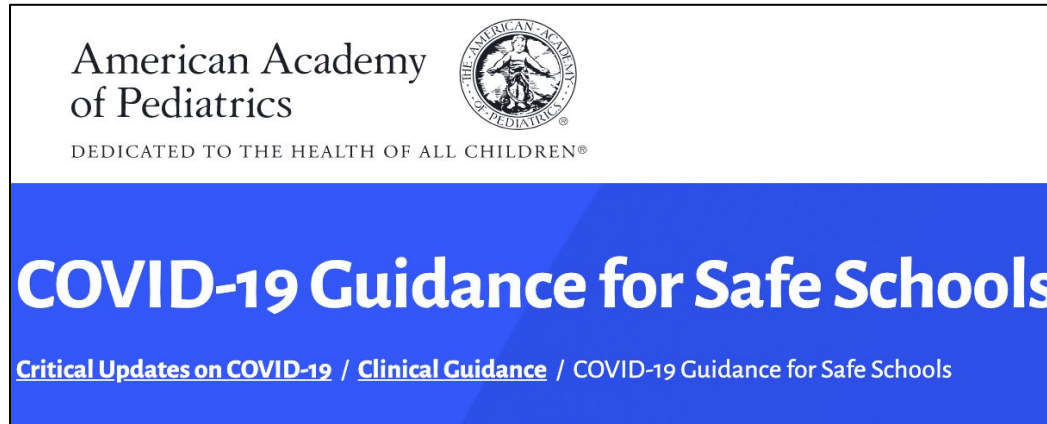
 The ABC Science Collaborative is committed to achieving these three aims 

ABOUT US




The screenshot shows a website header for 'THE ABC SCIENCE COLLABORATIVE'. It features a search bar with a magnifying glass icon. Below the search bar is a large banner image of a classroom where a teacher is using a non-contact thermometer to check a student's forehead. The banner contains the text 'Safer Working and Learning, Informed Decision-Making, Improving Public Health' and a paragraph stating 'The ABC Science Collaborative is committed to achieving these three aims'. There are navigation arrows on either side of the text. At the bottom left of the banner is a 'ABOUT US' link. At the bottom center of the banner are three small circles, with the middle one being filled.

Released 1/5/21



American Academy of Pediatrics



DEDICATED TO THE HEALTH OF ALL CHILDREN®

COVID-19 Guidance for Safe Schools

[Critical Updates on COVID-19](#) / [Clinical Guidance](#) / [COVID-19 Guidance for Safe Schools](#)

The screenshot shows the header and main title of a webpage from the American Academy of Pediatrics. The header includes the organization's name and logo, and its mission statement. The main title is 'COVID-19 Guidance for Safe Schools'. Below the title is a navigation menu with three links: 'Critical Updates on COVID-19', 'Clinical Guidance', and 'COVID-19 Guidance for Safe Schools'.

Published their early experience last week



Questions?



MULTIPLE PERSPECTIVES: COALITION OF COMMUNITIES OF COLOR



**MARCUS MUNDY, EXECUTIVE
DIRECTOR**



Advancing racial justice through
cross-cultural collective action

Board Q & A

