

Deschutes County Health Services

COVID-19 Public Health Update

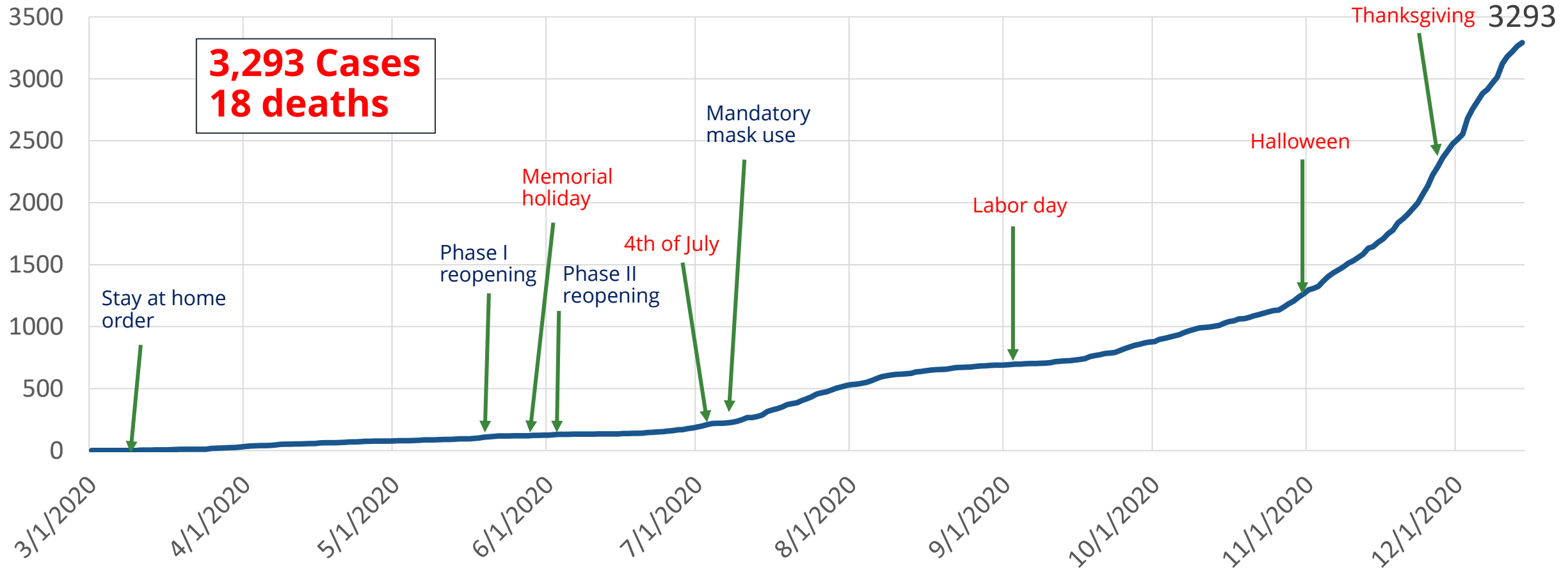
Nahad Sadr-Azodi
Director of Public Health

Dr George Conway
Director of Health Service



BoCC meeting | December 16, 2020

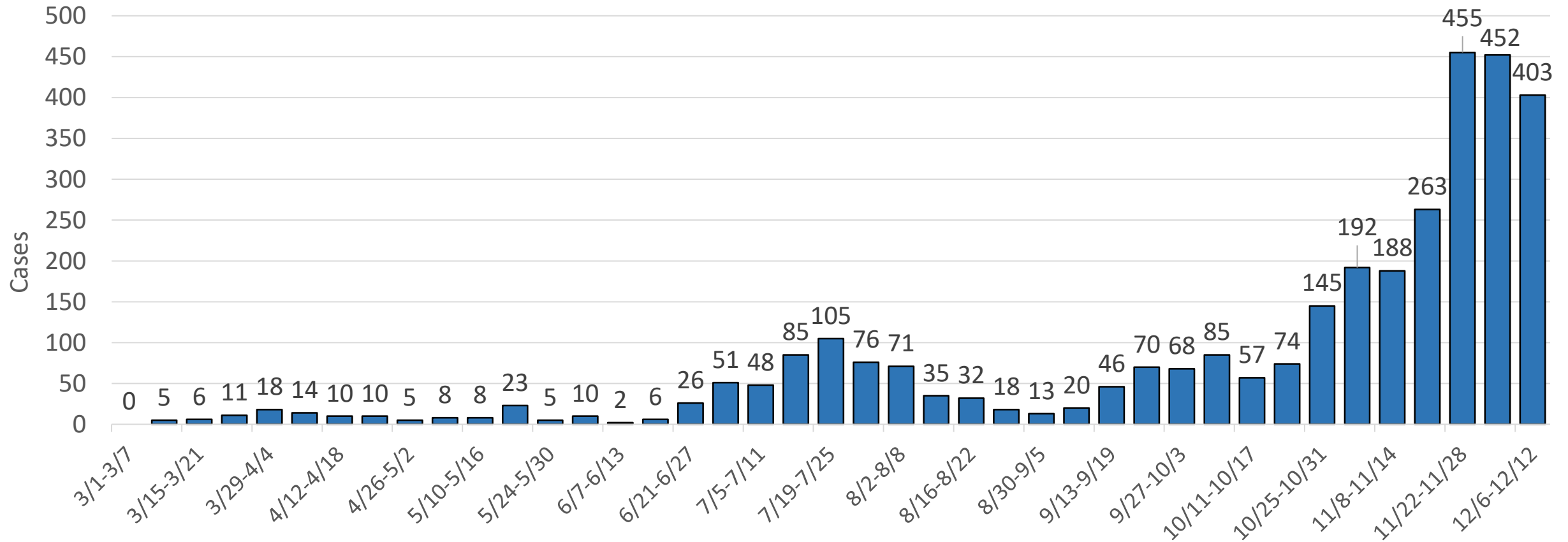
Deschutes County Cases (Cumulative)



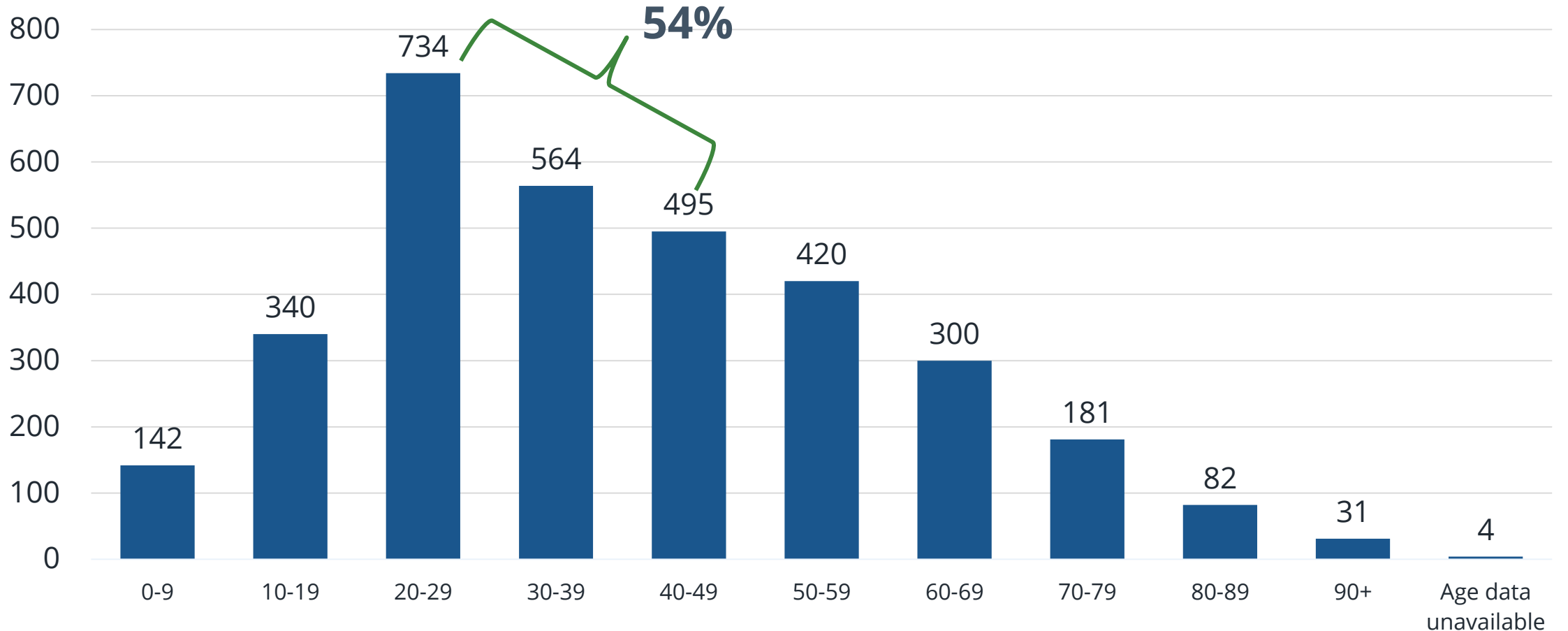
Data are shown based on the date a case first became identified as a case.

Data as of 12/15/20

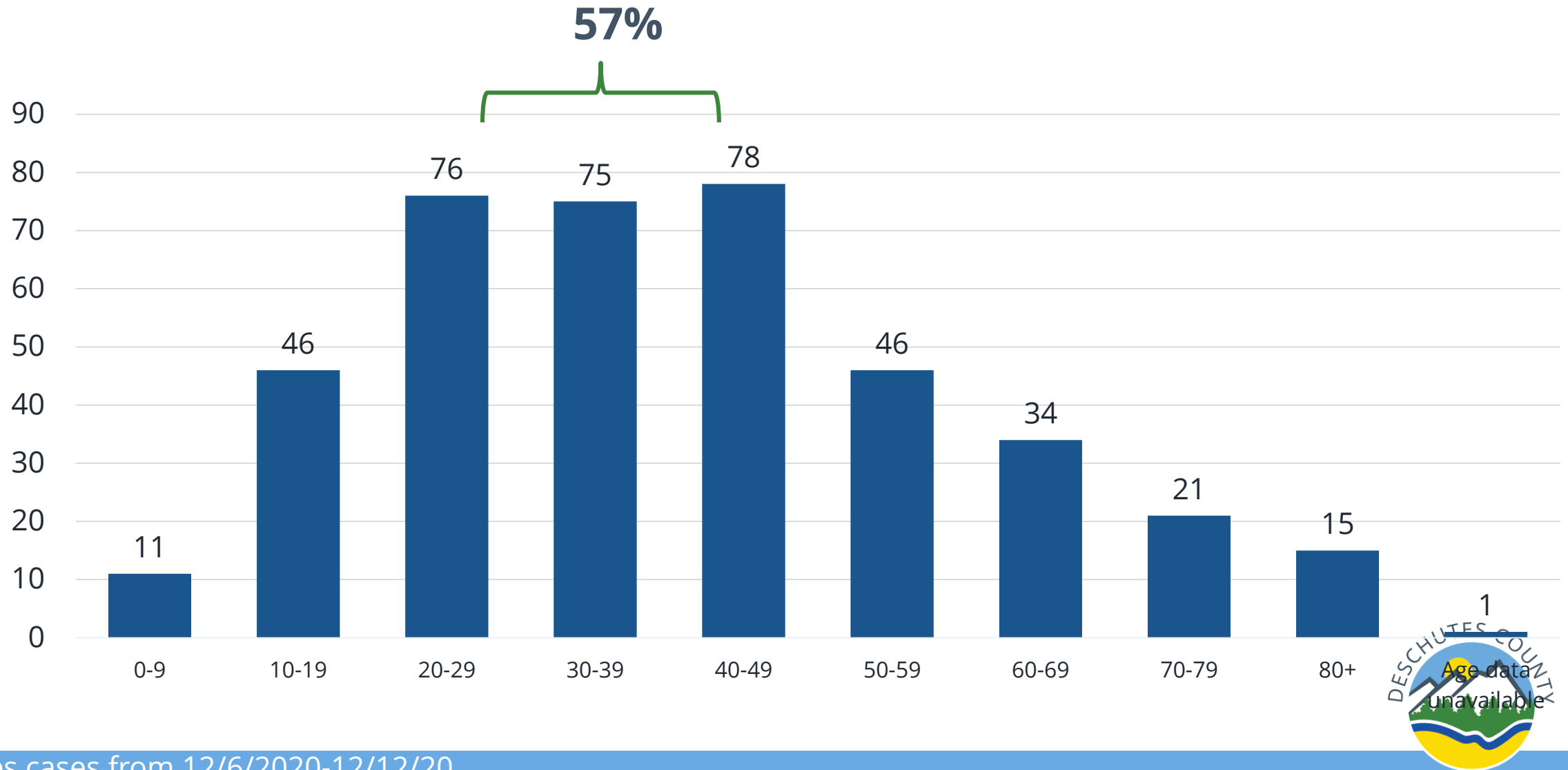
Deschutes County Cases by Week



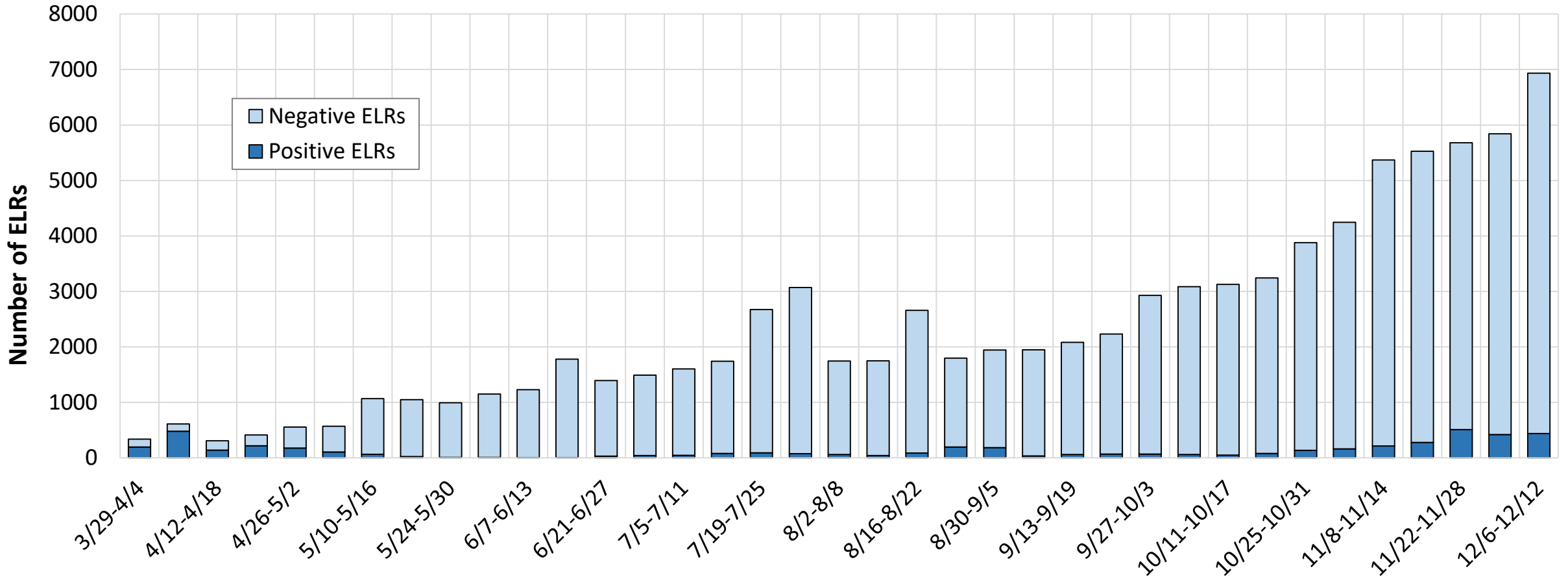
Deschutes County Cases by Age Group



Deschutes County Cases by Age Group - Week of 12/6-12/12 (403 cases)



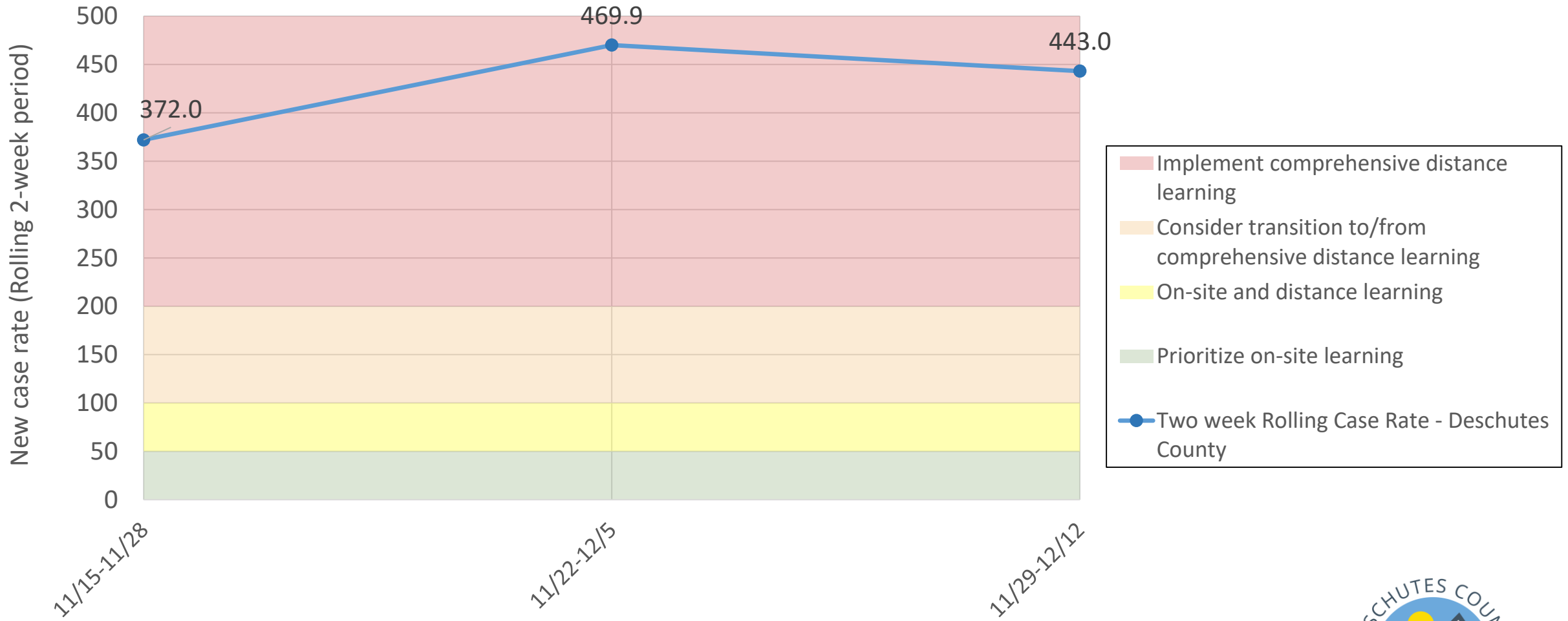
Deschutes County COVID Electronic Laboratory Reports (ELRs) by Week



Beginning 12/3/20, Oregon Health Authority transitioned to reporting total COVID Electronic Laboratory Reports (ELRs) rather than reporting total persons tested for COVID. Electronic Laboratory Reports better reflect the total volume of COVID tests for a county and may include duplicate positive and/or duplicate negative test results for individuals.



School Metrics: Two-week Case Rates per 100,000 population

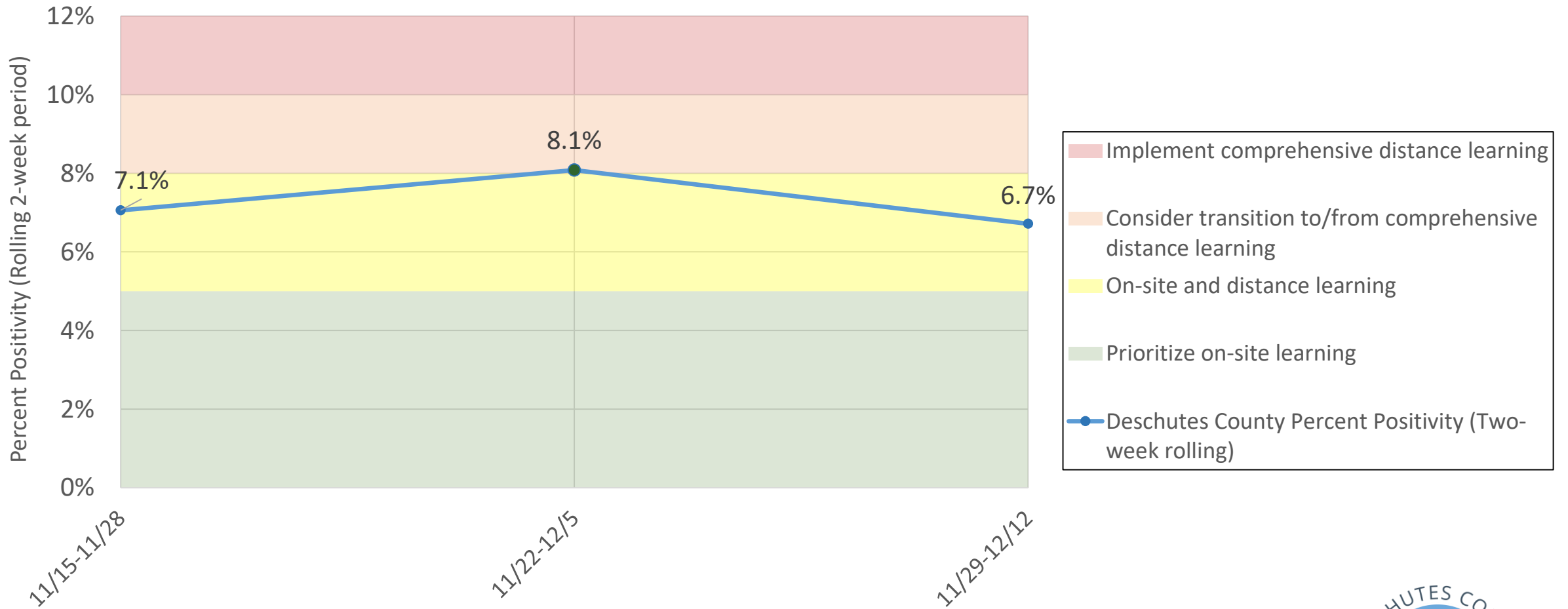


Data are provisional and subject to change.

Data as of 12/14/20



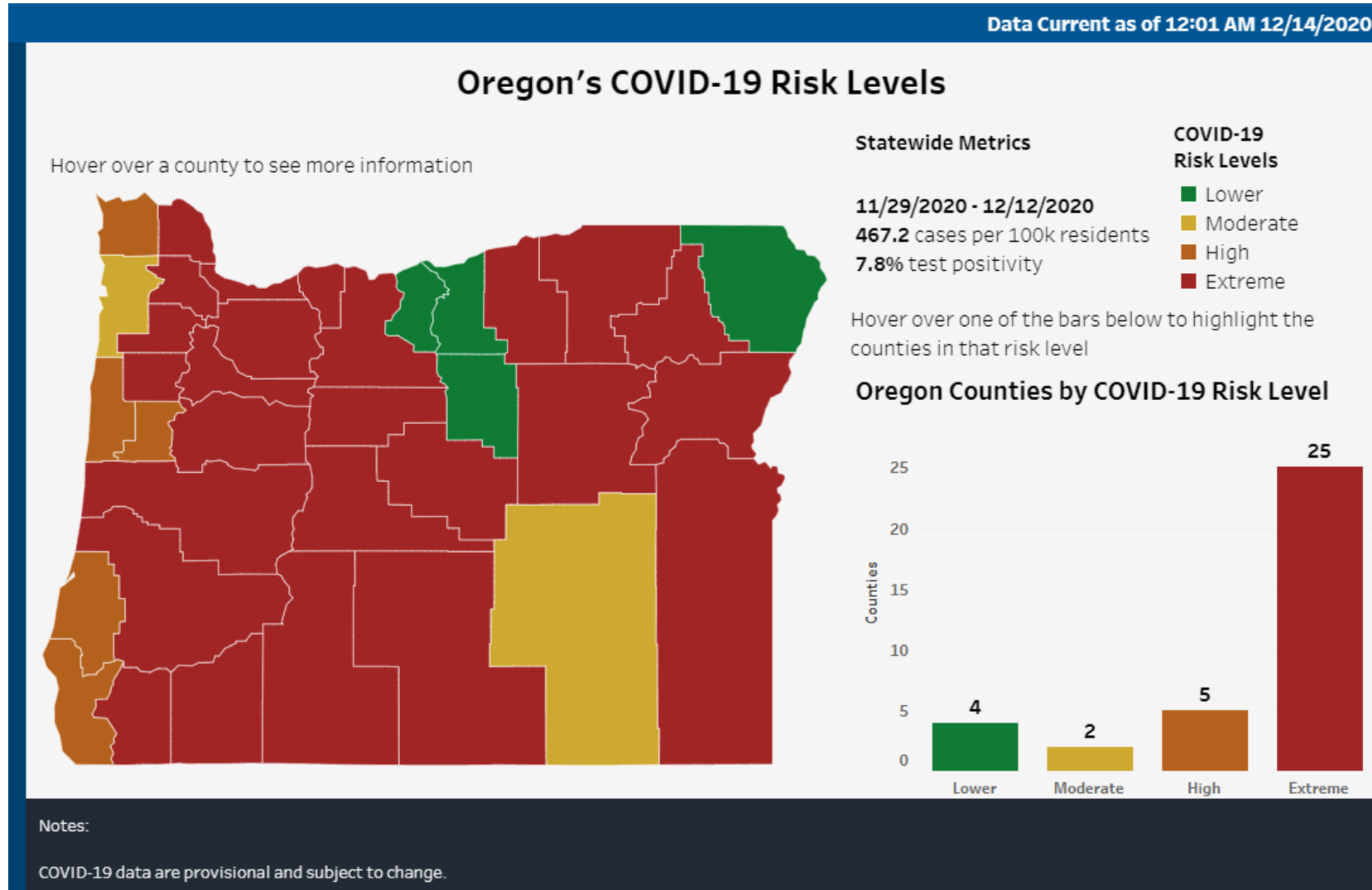
School Metrics: Two-week Percent Positivity



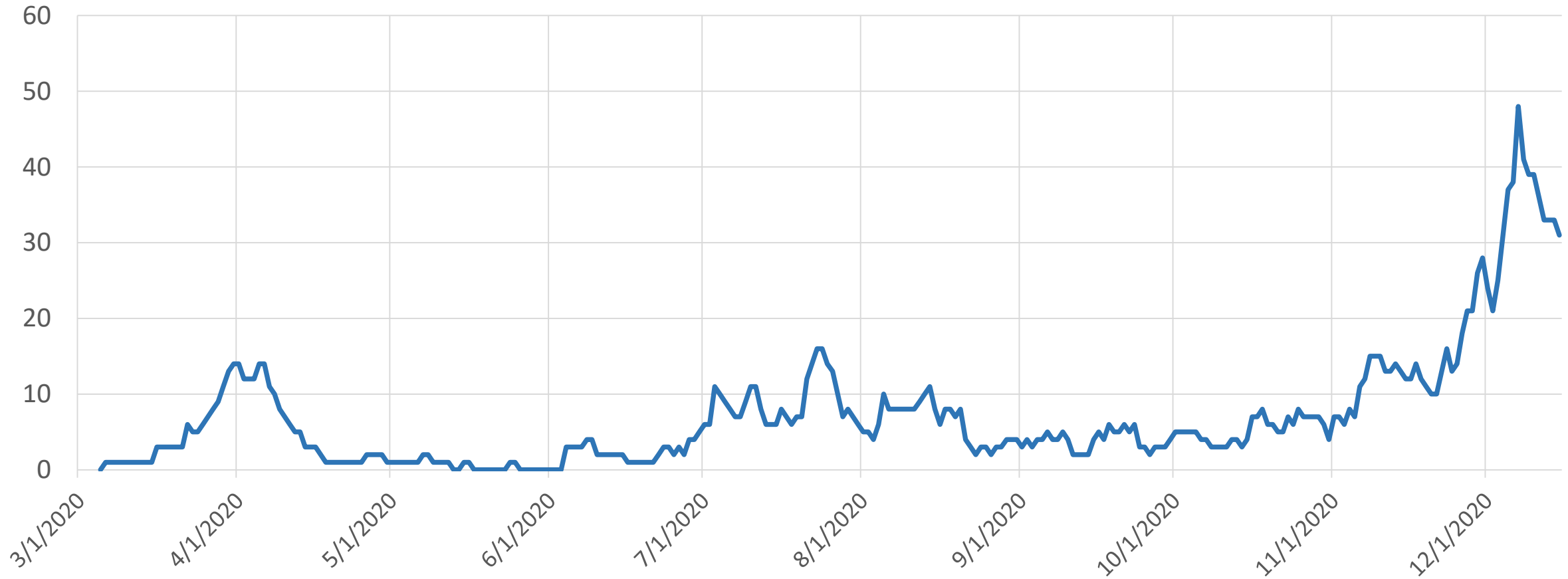
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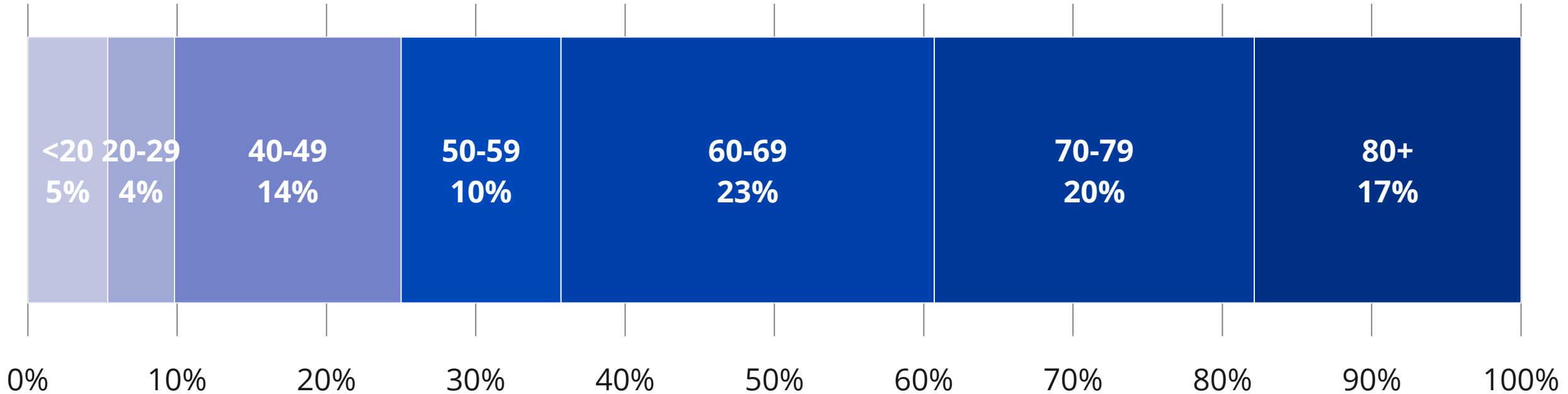
Risk-based Framework for Counties



Daily Count of COVID-19 Patients Hospitalized (St. Charles Health System Data)



Age distribution of Deschutes County cases who have been hospitalized



Denominator: 120 Deschutes County cases ever-hospitalized

Data as of 12/15/20



COVID-19 Vaccines

COVID-19 vaccine

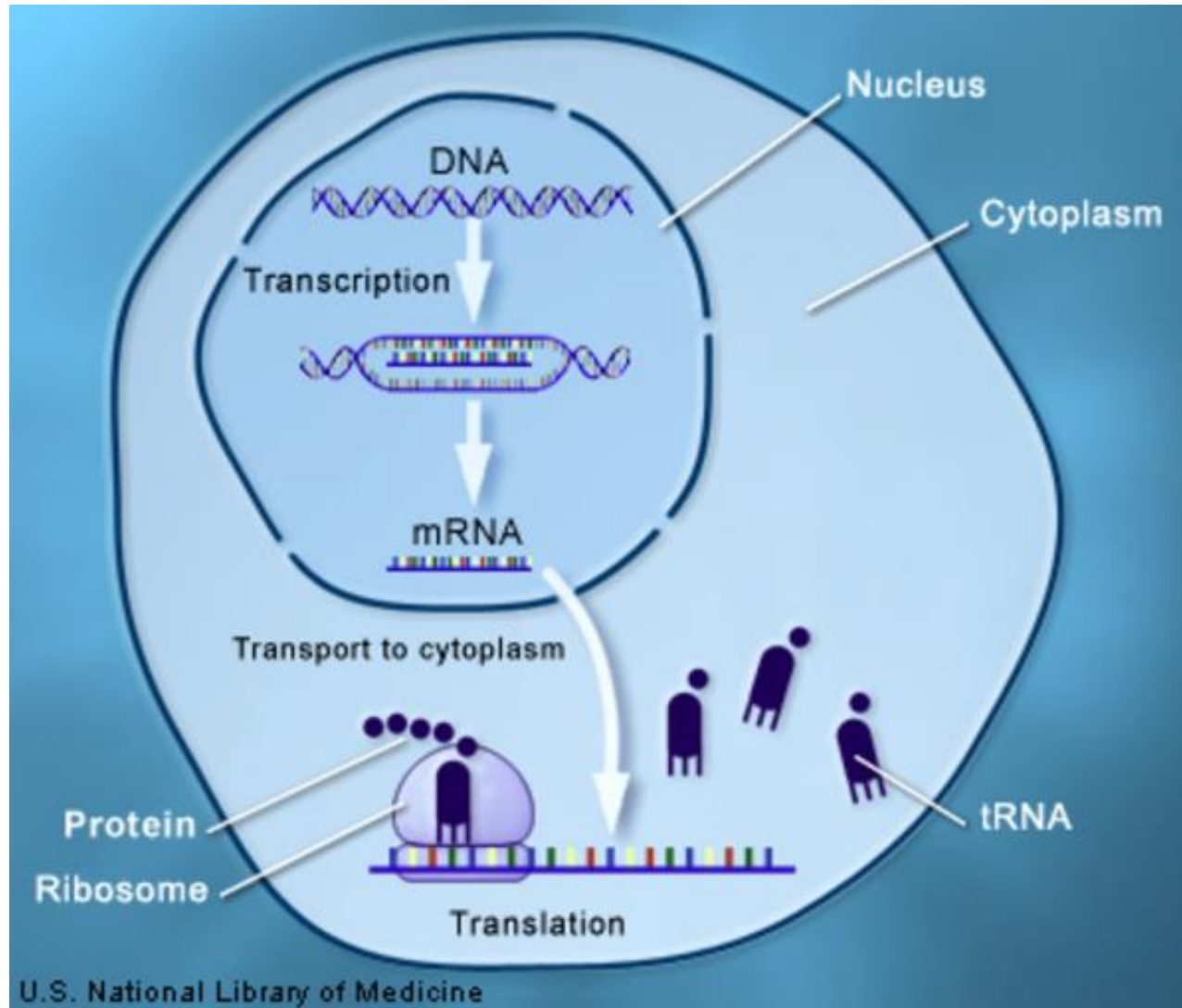
- Pfizer/BioNTech (BNT162b2) – 95% efficacy rate received FDA Emergency Use Authorizations (EUA)
- It's an mRNA vaccine with a 2-dose schedule
- Tested in diverse adult populations, including older adults and communities of color

Questions:

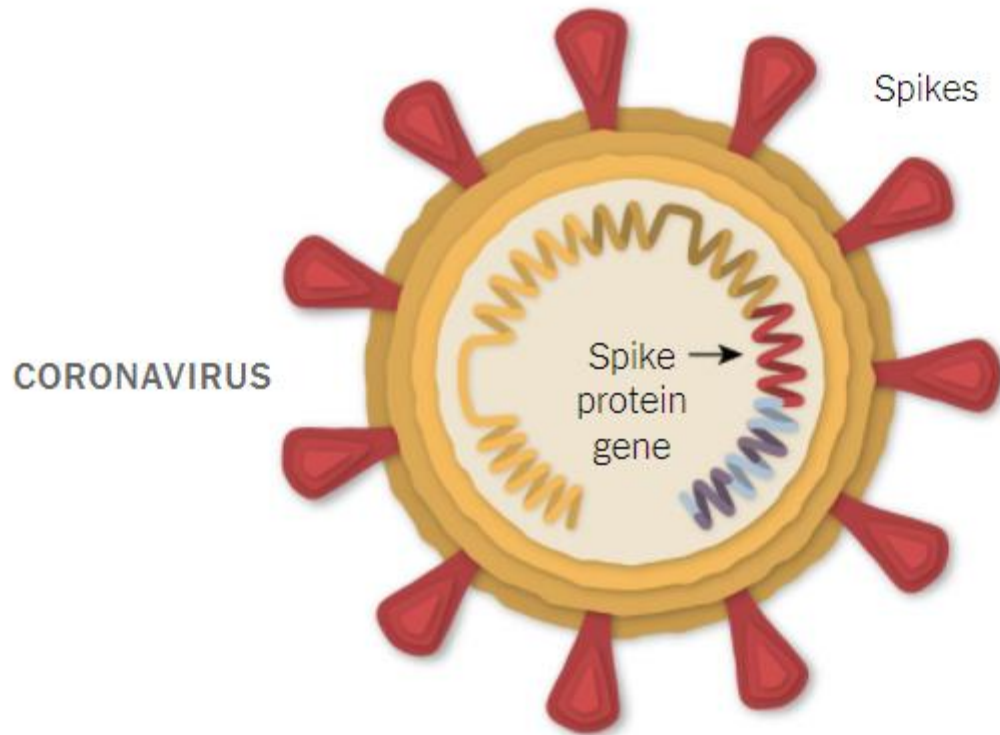
- Duration of protection is not yet known
- Disease versus transmission



Protein production

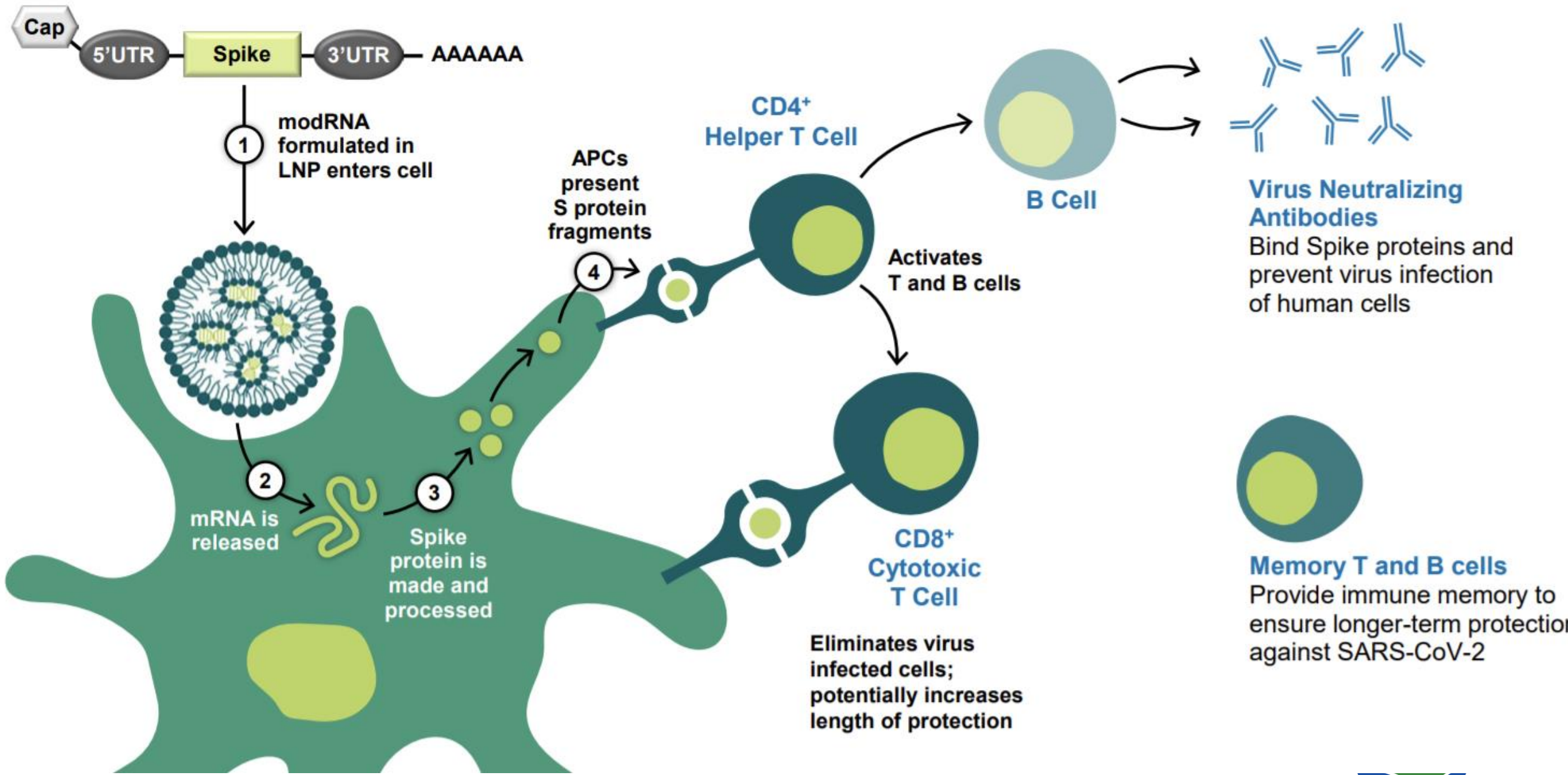


mRNA vaccines



Lipid nanoparticles surrounding mRNA





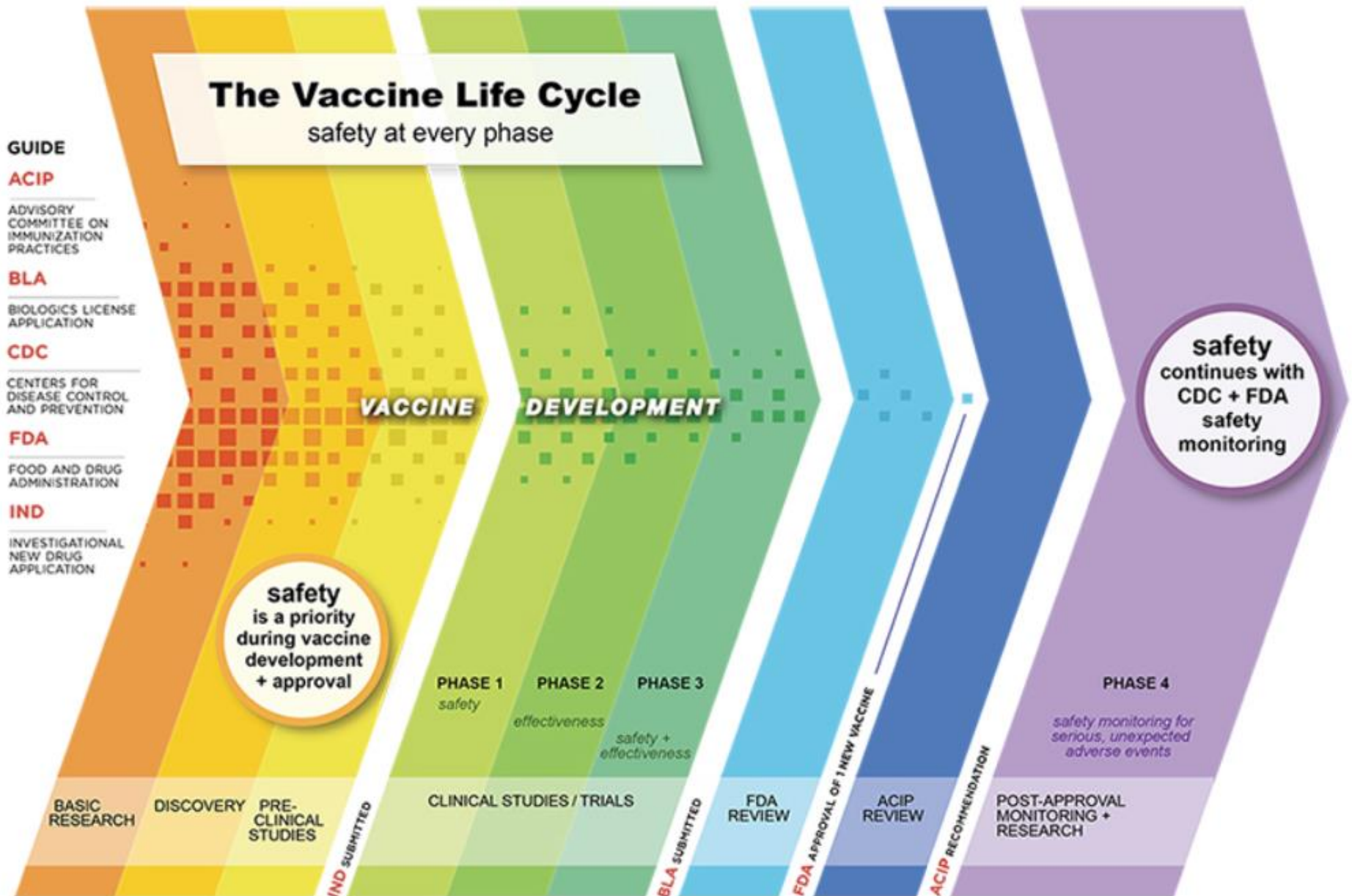
COVID-19 vaccine trials

Pfizer/BioNTech

- **43,931** enrolled
- **150** clinical sites
 - 39 U.S. states
- Racial/ethnic distribution
 - **13%** - Hispanic
 - **10%** - African American
 - **6%** - Asian
 - **1%** - Native American
- **45%** ages 56-85



The Vaccine Life Cycle: Safety at Every Phase



Post-approval monitoring

1. The U.S. vaccine safety system is strong and robust
2. New safety systems are being added for COVID-19 vaccines
3. All of us can play an important role in helping CDC monitor the safety of COVID-19 vaccines



Active safety monitoring for COVID-19 vaccines

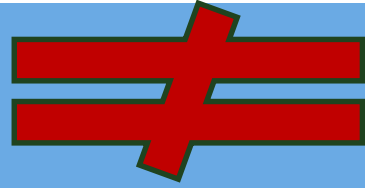


~200k doses in Oregon

	Phase 1c Adults with high-risk medical conditions Adults 65+	
	Phase 1b Essential workers (examples: Education Sector, Food & Agriculture, Utilities, Police, Firefighters, Corrections Officers, Transportation)	
Phase 1a HCP LTCF residents		



Vaccines



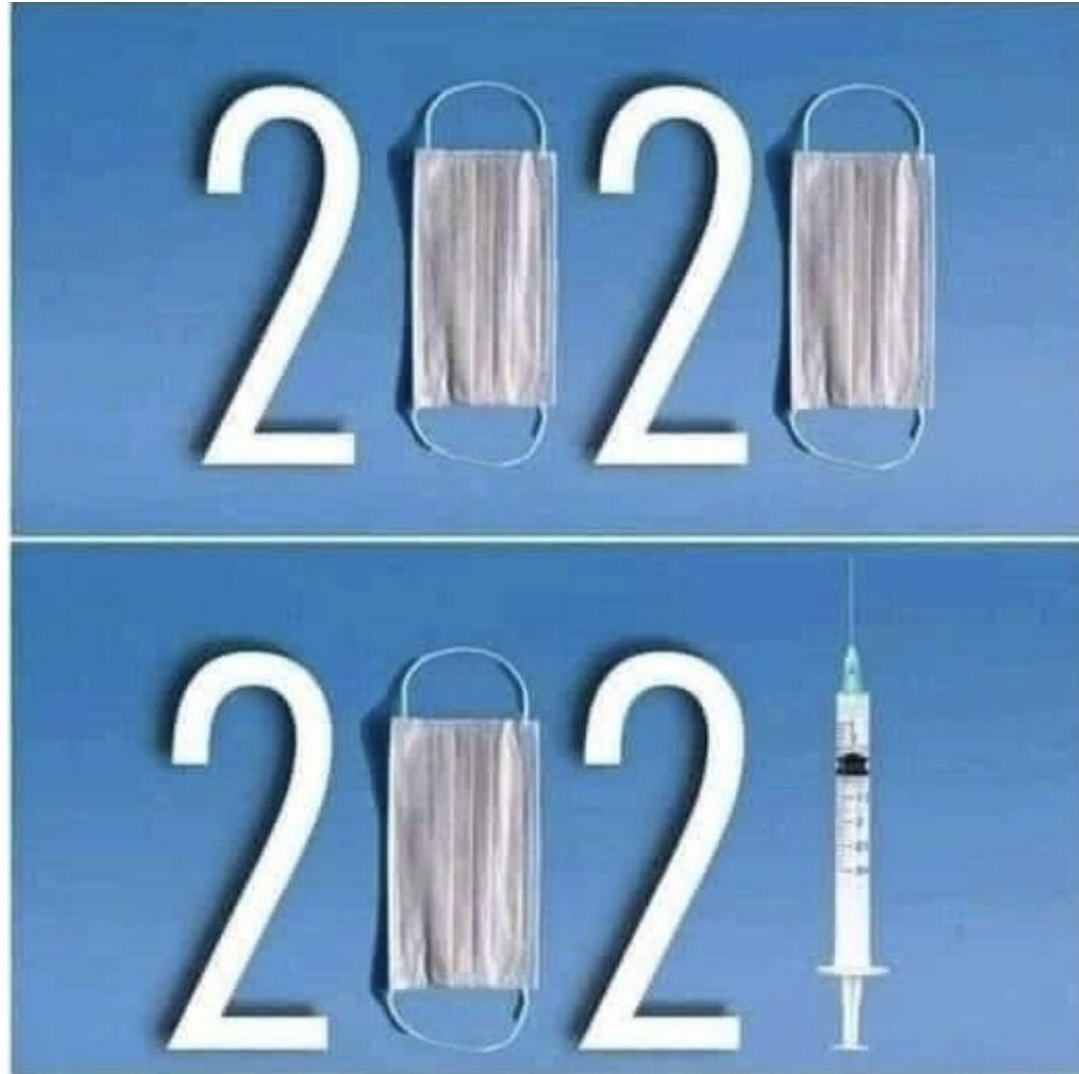
Vaccination

- Build trust
- Empower healthcare personnel
- Engage communities and individual



Key messages

Hope on the horizon

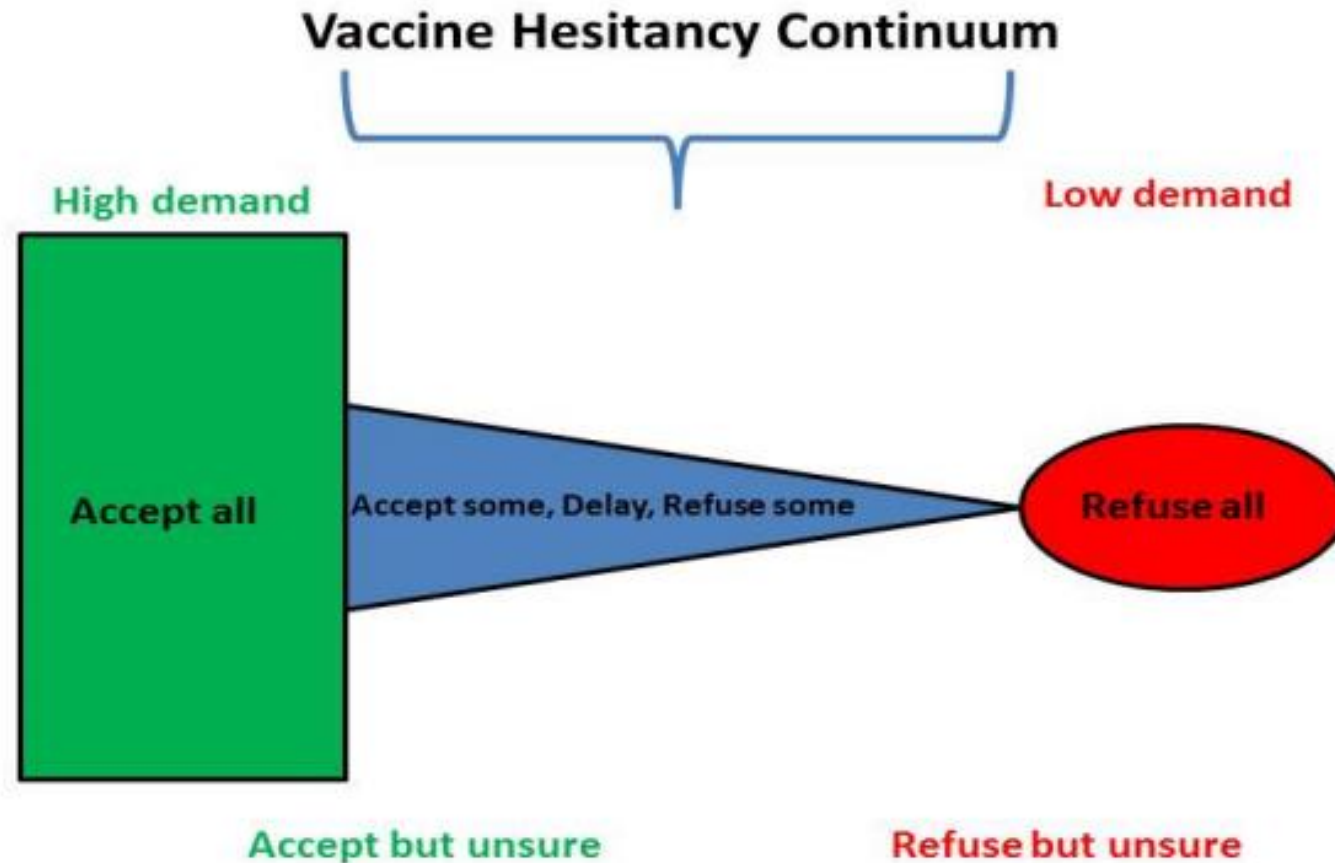


In the meantime...

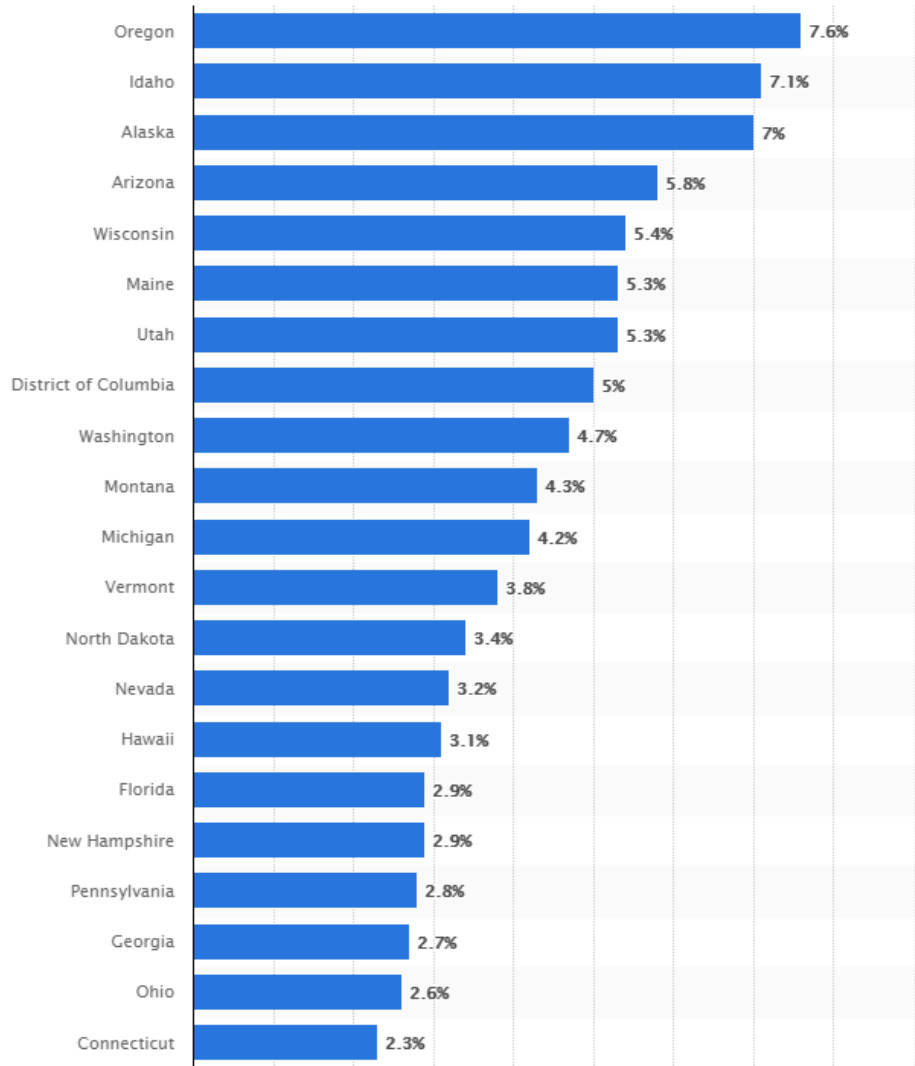
- Get your flu vaccine
- Wear a mask
- 6 feet apart
- Outdoors better than indoors
- Wash hands
- Physical activities and self care
- It could be worse...



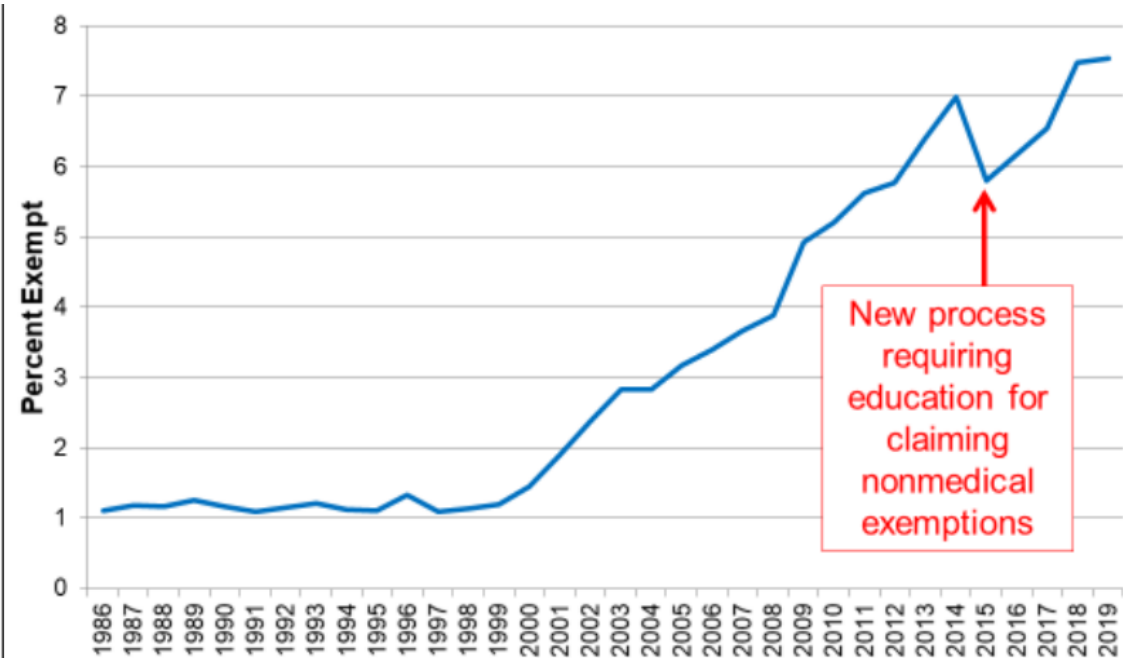
The continuum of vaccine hesitancy



Percentage of US kindergarteners who received vaccination exemptions in the 2017-2018 school year, by state



Oregon kindergarten non-medical exemption rates, 1986-2019



New process requiring education for claiming nonmedical exemptions

Source: <https://www.statista.com/statistics/971418/percentage-of-kindergarteners-with-vaccine-exemptions-us-by-state/>

Source: <https://www.oregon.gov/oha/PH/PreventionWellness/VaccinesImmunization/GettingImmunized/Documents/SchLawSum.pdf>