Deschutes County Health Services

COVID-19 Public Health Update

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Director of Public Health

Dr Richard Fawcett
Health Officer

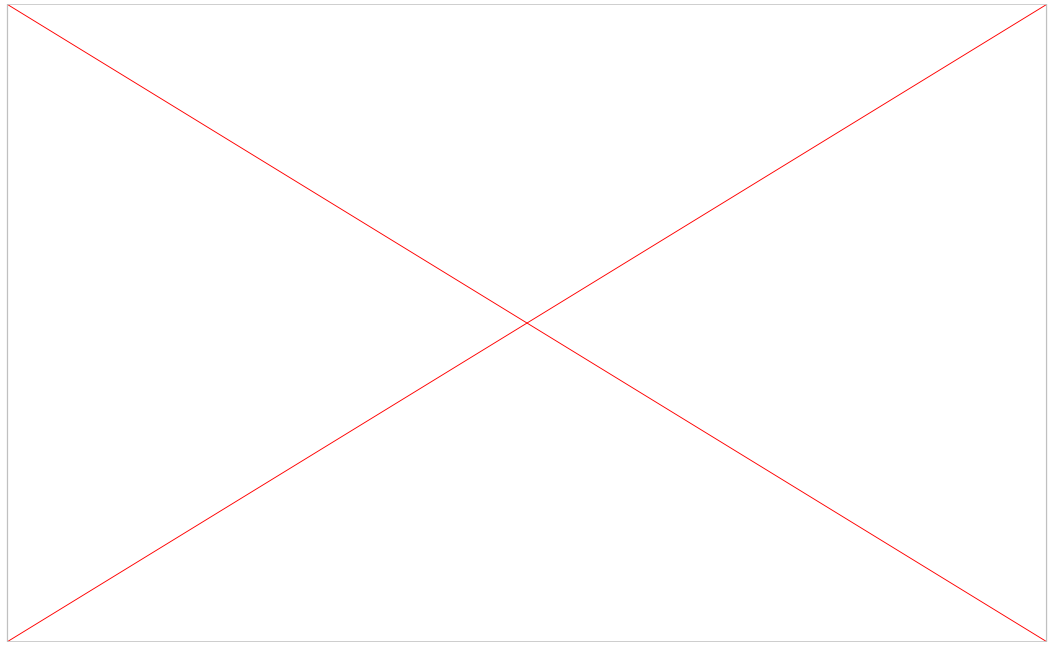
Dr George Conway
Administrator

BoCC meeting| October 14, 2020

This week's quiz

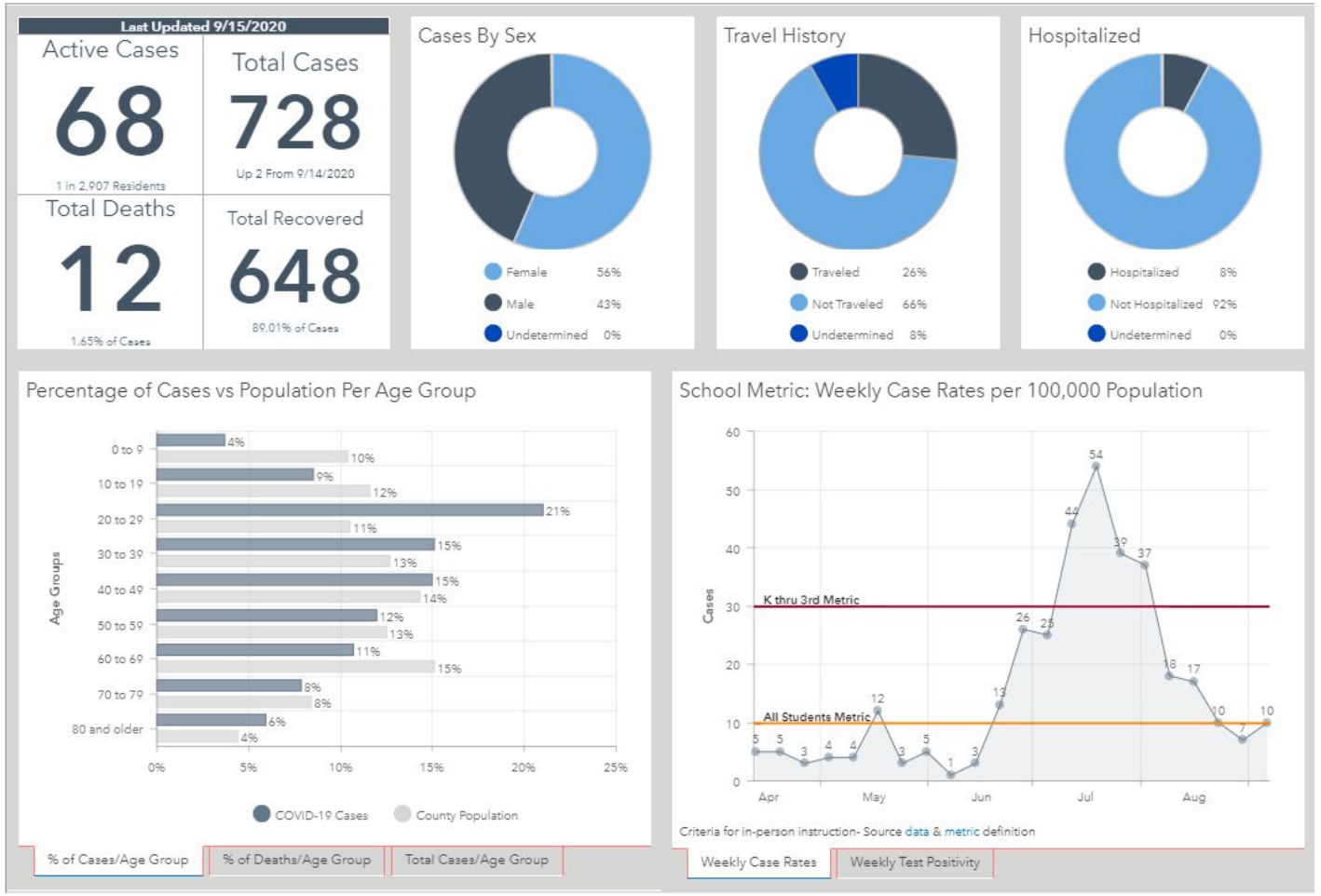
We are all in this together when it comes to responsibility and disease burden.

A- True
B- Partially true



Excellent data visualization: www.Deschutes.org/covid19

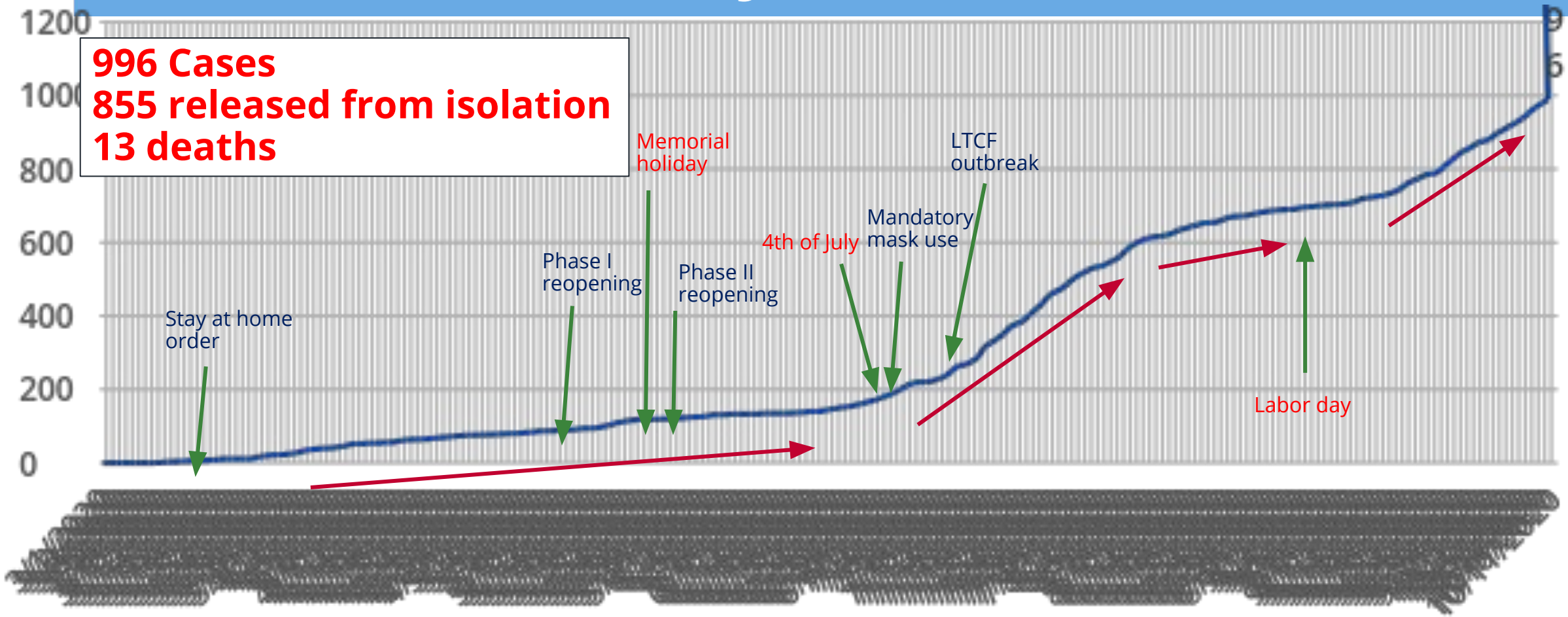
COVID-19 (Novel Coronavirus)



Click to sign up for DCHS COVID-19 Updates

Epidemiology update

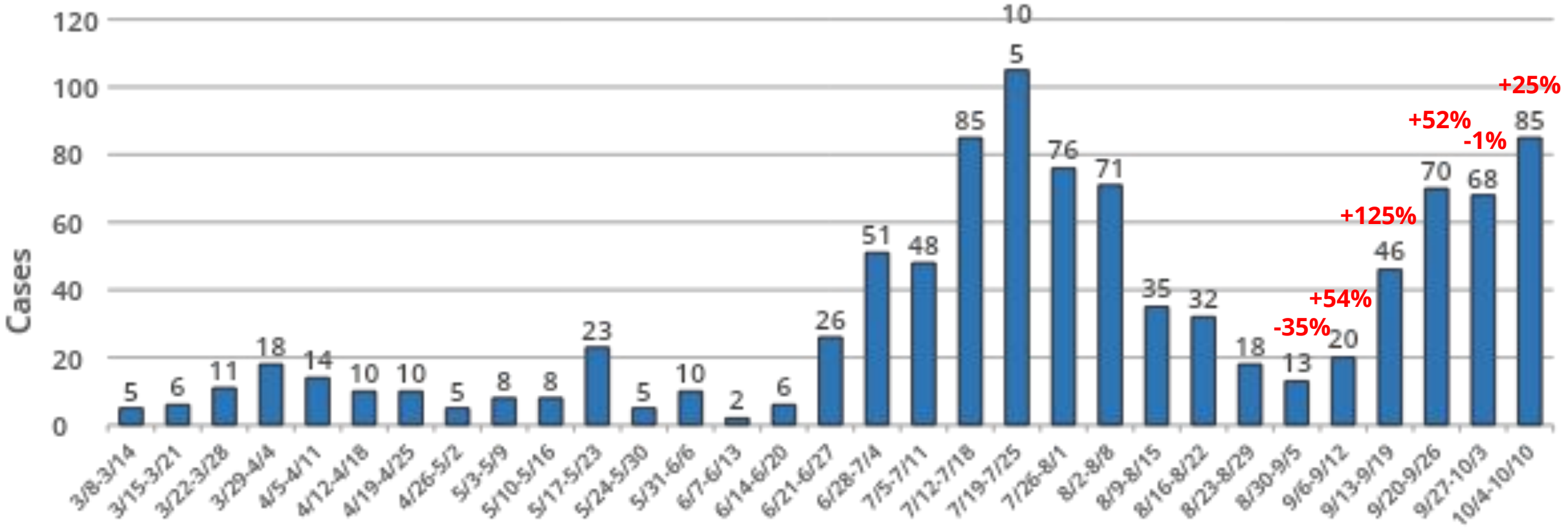
Deschutes County Cases (Cumulative)



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

Data as of 10/12/20

Deschutes County Cases by Week



This graph shows the number of cases by week, based on the date a case was first identified as a case. This date is different from the date Oregon Health Authority

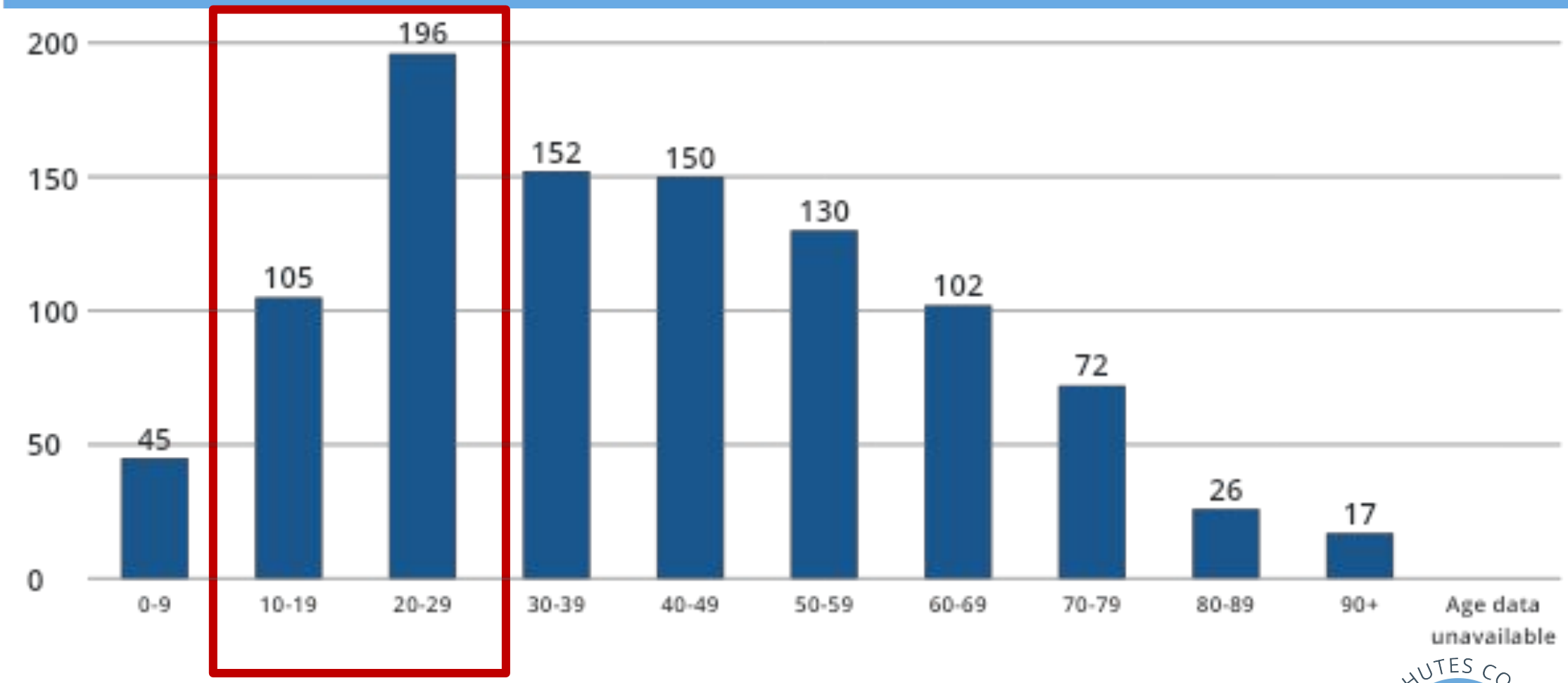
DESCHUTES COUNTY

Data as of 10/12/20

Deschutes County Covid-19 cases by ethnicity

Ethnicity	Case Count	% of total cases	Cases per 10,000*	Ever Hospitalized	% Hospitalized
Hispanic	179	22%	115.4 per 10K	19	10.6%
Non-Hispanic	577	71%	32.7 per 10K	40	6.9%
Unknown	54	7%	--	3	5.6%
Total	810	100%	42.2 per 10K	62	7.6%

Deschutes County Cases by Age Group



Data as of 10/12/20

Socializing during a pandemic – PART I

A group of teenagers had parties on a regular basis. There were additional and different guests at each party.

The initial case was not forthcoming with close contact information and likely didn't share his positive status with the other party-goers. Additional cases associated with the parties began to surface.

Two weeks into the outbreak and with the cooperation of the additional cases, we were able to link 11 positive Covid cases and more than 30 close contacts resulting from the initial positive case and the social gatherings.

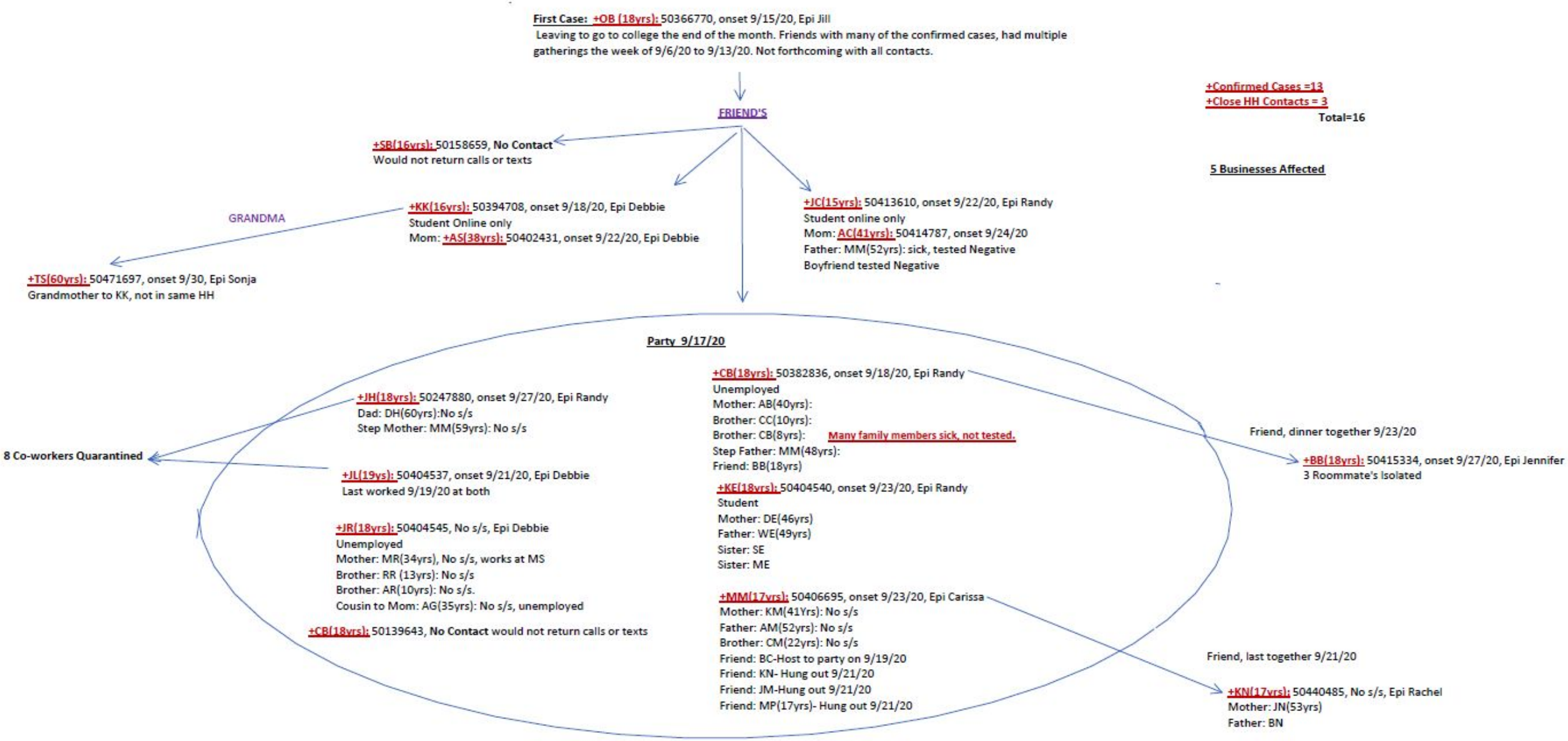
To be continued…

Socializing during a pandemic – PART II

During the following week, two additional party-goers and three household/close contacts (parents and friends) tested positive bringing the total number with confirmed covid to **16**. Majority are between the ages of 16 and 19.

Moreover, the number of close contacts quarantining has increased to more than 50 and five businesses have been affected.

Source: Deschutes County Health Services Covid Case Investigation Team


First Case: +OB (18yrs): 50366770, onset 9/15/20, Epi Jill
Leaving to go to college the end of the month. Friends with many of the confirmed cases, had multiple gatherings the week of 9/6/20 to 9/13/20. Not forthcoming with all contacts.
FRIEND'S
+Confirmed Cases =13
+Close HH Contacts = 3
Total=16
5 Businesses Affected
+SB(16yrs): 50158659, No Contact
Would not return calls or texts
GRANDMA
+KK(16yrs): 50394708, onset 9/18/20, Epi Debbie
Student Online only
Mom: +AS(38yrs): 50402431, onset 9/22/20, Epi Debbie
+JC(15yrs): 50413610, onset 9/22/20, Epi Randy
Student online only
Mom: AC(41yrs): 50414787, onset 9/24/20
Father: MM(52yrs): sick, tested Negative
Boyfriend tested Negative
+TS(60yrs): 50471697, onset 9/30, Epi Sonja
Grandmother to KK, not in same HH
Party 9/17/20
+CB(18yrs): 50382836, onset 9/18/20, Epi Randy
Unemployed
Mother: AB(40yrs):
Brother: CC(10yrs):
Brother: CB(8yrs):
Many family members sick, not tested.
Step Father: MM(48yrs):
Friend: BB(18yrs)
Friend, dinner together 9/23/20
+BB(18yrs): 50415334, onset 9/27/20, Epi Jennifer
3 Roommate's Isolated
+JH(18yrs): 50247880, onset 9/27/20, Epi Randy
Dad: DH(60yrs):No s/s
Step Mother: MM(59yrs): No s/s
8 Co-workers Quarantined
+JL(19ys): 50404537, onset 9/21/20, Epi Debbie
Last worked 9/19/20 at both
+KE(18yrs): 50404540, onset 9/23/20, Epi Randy
Student
Mother: DE(46yrs)
Father: WE(49yrs)
Sister: SE
Sister: ME
+JR(18yrs): 50404545, No s/s, Epi Debbie
Unemployed
Mother: MR(34yrs), No s/s, works at MS
Brother: RR (13yrs): No s/s
Brother: AR(10yrs): No s/s.
Cousin to Mom: AG(35yrs): No s/s, unemployed
+MM(17yrs): 50406695, onset 9/23/20, Epi Carissa
Mother: KM(41Yrs): No s/s
Father: AM(52yrs): No s/s
Brother: CM(22yrs): No s/s
Friend: BC-Host to party on 9/19/20
Friend: KN- Hung out 9/21/20
Friend: JM-Hung out 9/21/20
Friend: MP(17yrs)- Hung out 9/21/20
Friend, last together 9/21/20
+KN(17yrs): 50440485, No s/s, Epi Rachel
Mother: JN(53yrs)
Father: BN
+CB(18yrs): 50139643, No Contact would not return calls or texts

Morbidity and Mortality Weekly Report (*MMWR*)

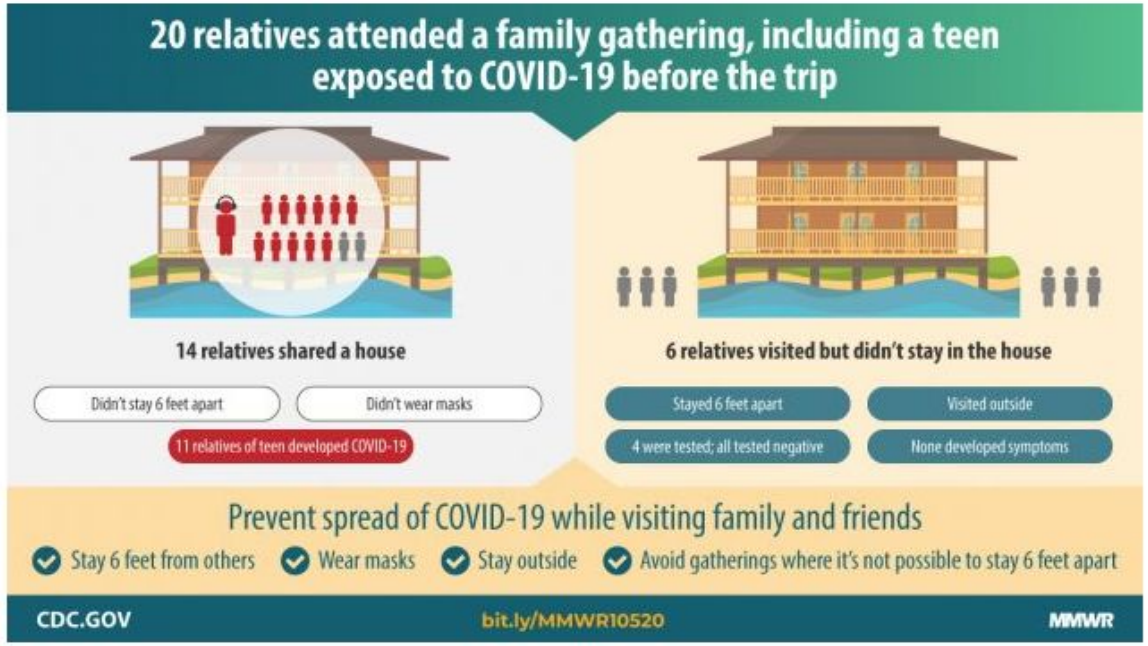
CDC

Adolescent with COVID-19 as the Source of an Outbreak at a 3-Week Family Gathering — Four States, June–July 2020

Early Release / October 5, 2020 / 69

Noah G. Schwartz, MD[1,2]; Anne C. Moorman, MPH[1]; Anna Makaretz, ScM[3]; Karen T. Chang, PhD[1,2]; Victoria T. Chu, MD[1,2]; Christine M. Szablewski, DVM[1,4]; Anna R. Yousaf, MD[1,2]; Marie M. Brown, MPH[4]; Ailis Clyne, MD[3]; Amanda DellaGrotta, MPH[3]; Jan Drobeniuc, MD, PhD[1]; Jacqueline Korpics, MD[5]; Adam Muir, MSc[6]; Cherie Drenzek, DVM[4]; Utpala Bandy, MD[3]; Hannah L. Kirking, MD[1]; Jacqueline E. Tate, PhD[1]; Aron J. Hall, DVM[1]; Tatiana M. Lanzieri, MD[1]; Rebekah J. Stewart, MSN, MPH[1] (View author affiliations)

View suggested citation



Article Metrics

Altmetric:

1440

News (51)
Blogs (2)
Twitter (1667)
Facebook (3)
Reddit (4)

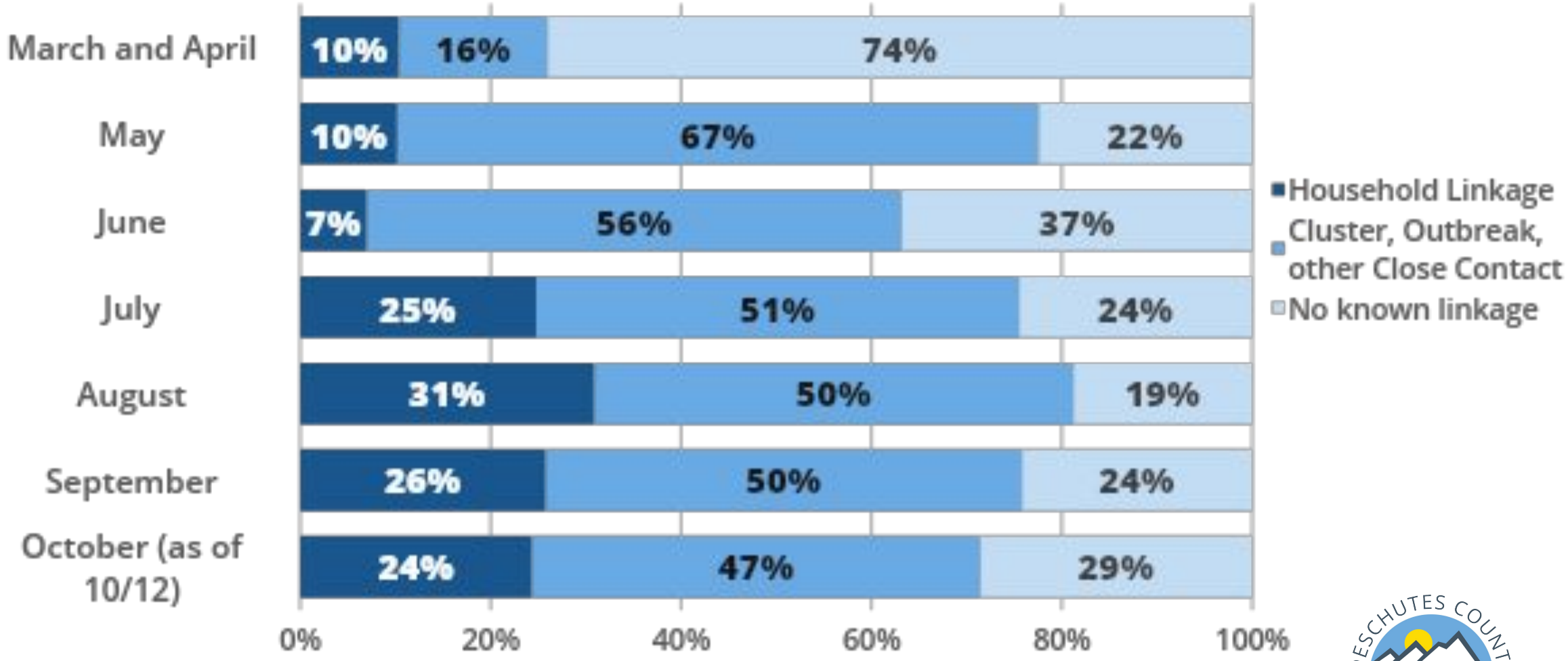
Citations:

Views:

Views equals page views plus PDF downloads

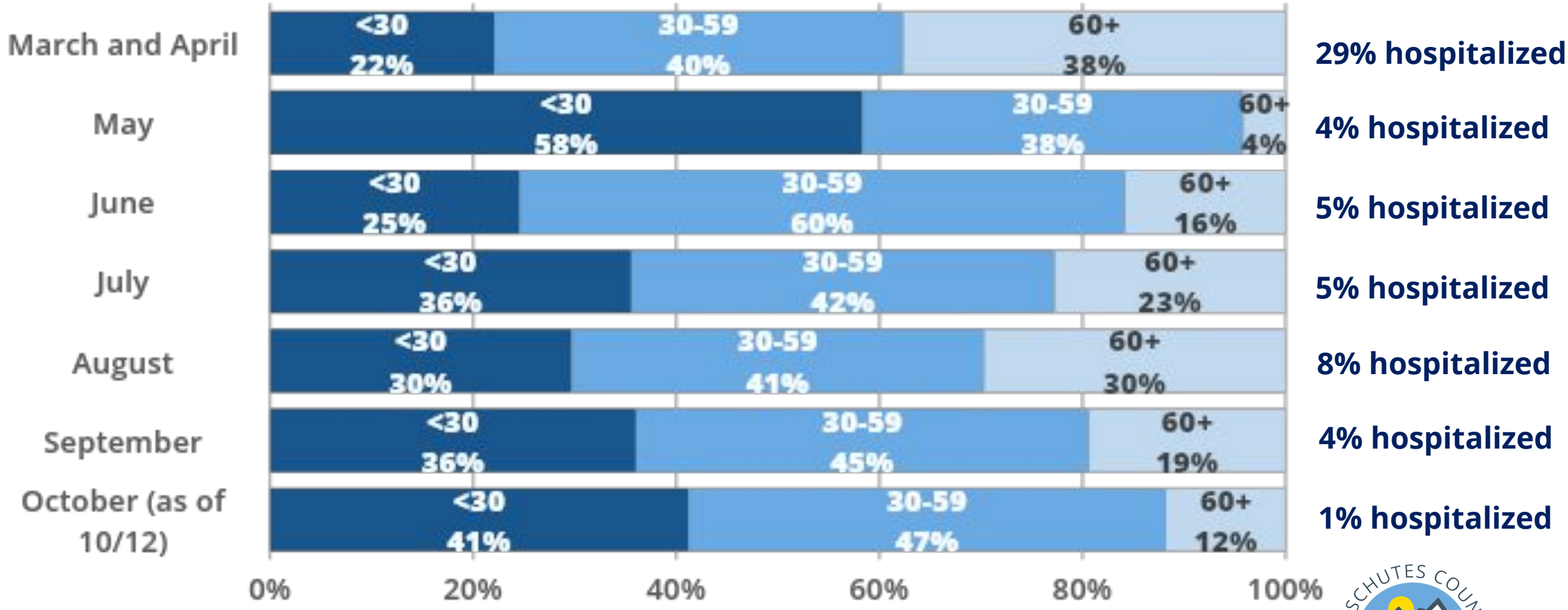
Metric Details

Case linkages or categories



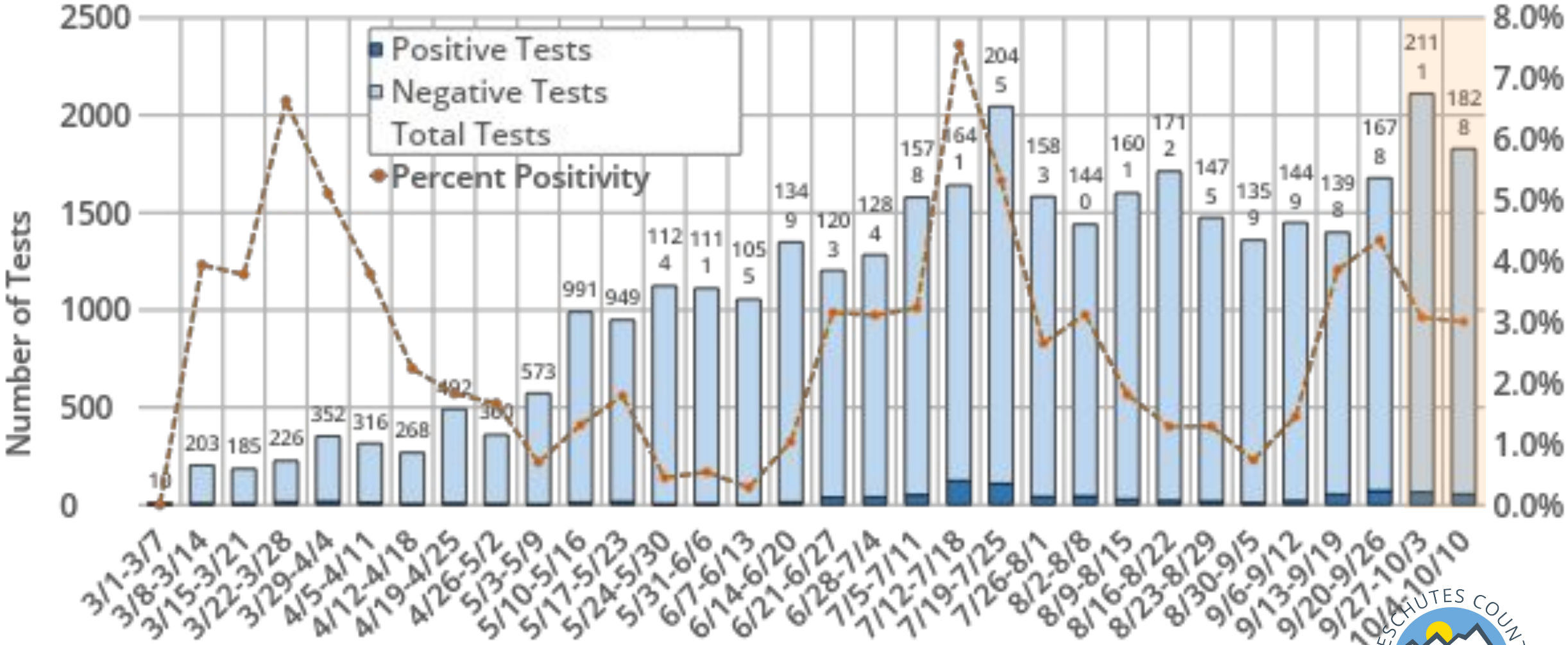
Data as of 10/12/20

Deschutes County Cases by Age and Month



Data as of 10/12/20

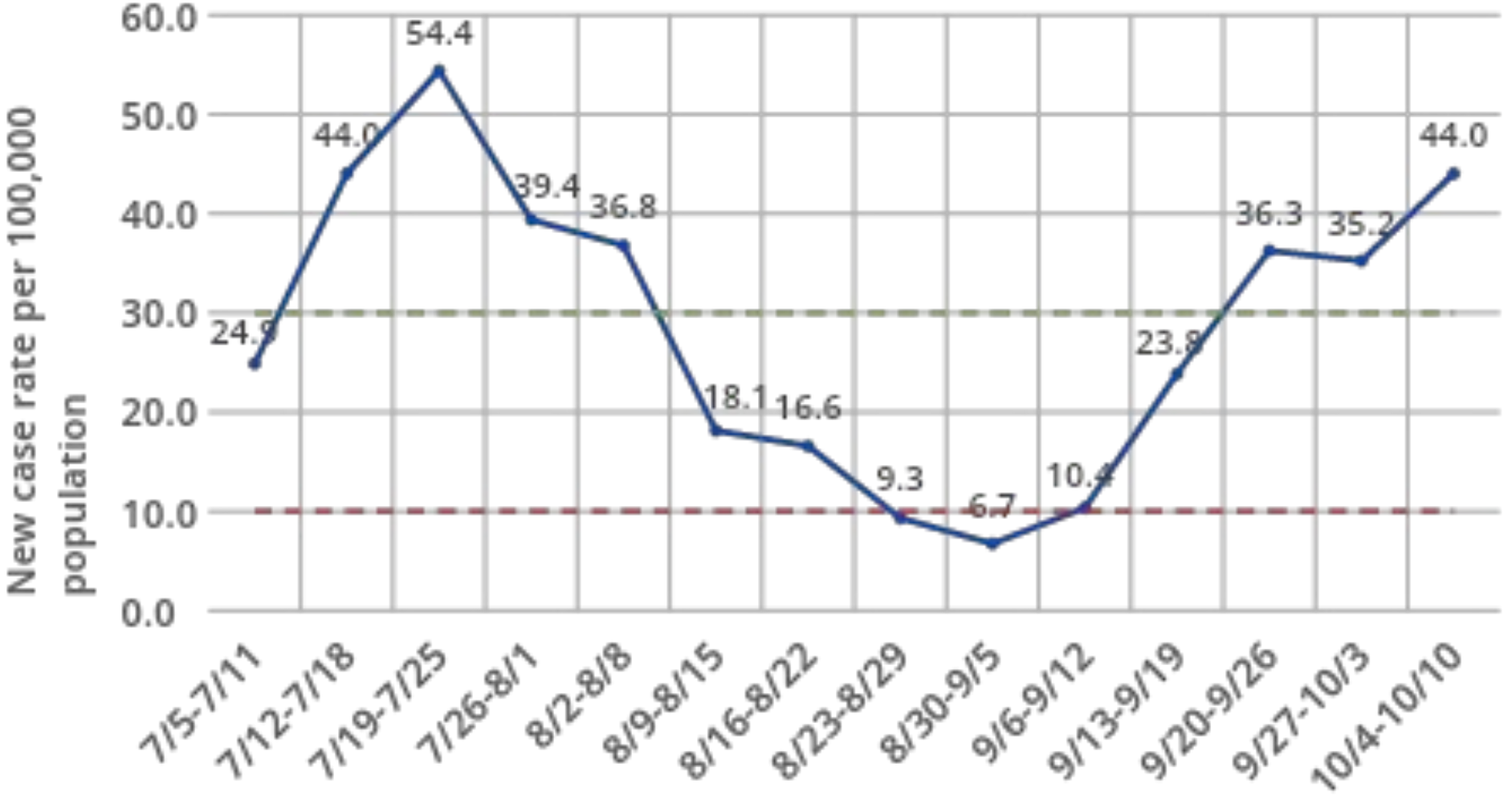
Deschutes County Testing by Week



Tests are shown by week of test collection. Data for the most recent few weeks is not yet complete due to testing turnaround time.

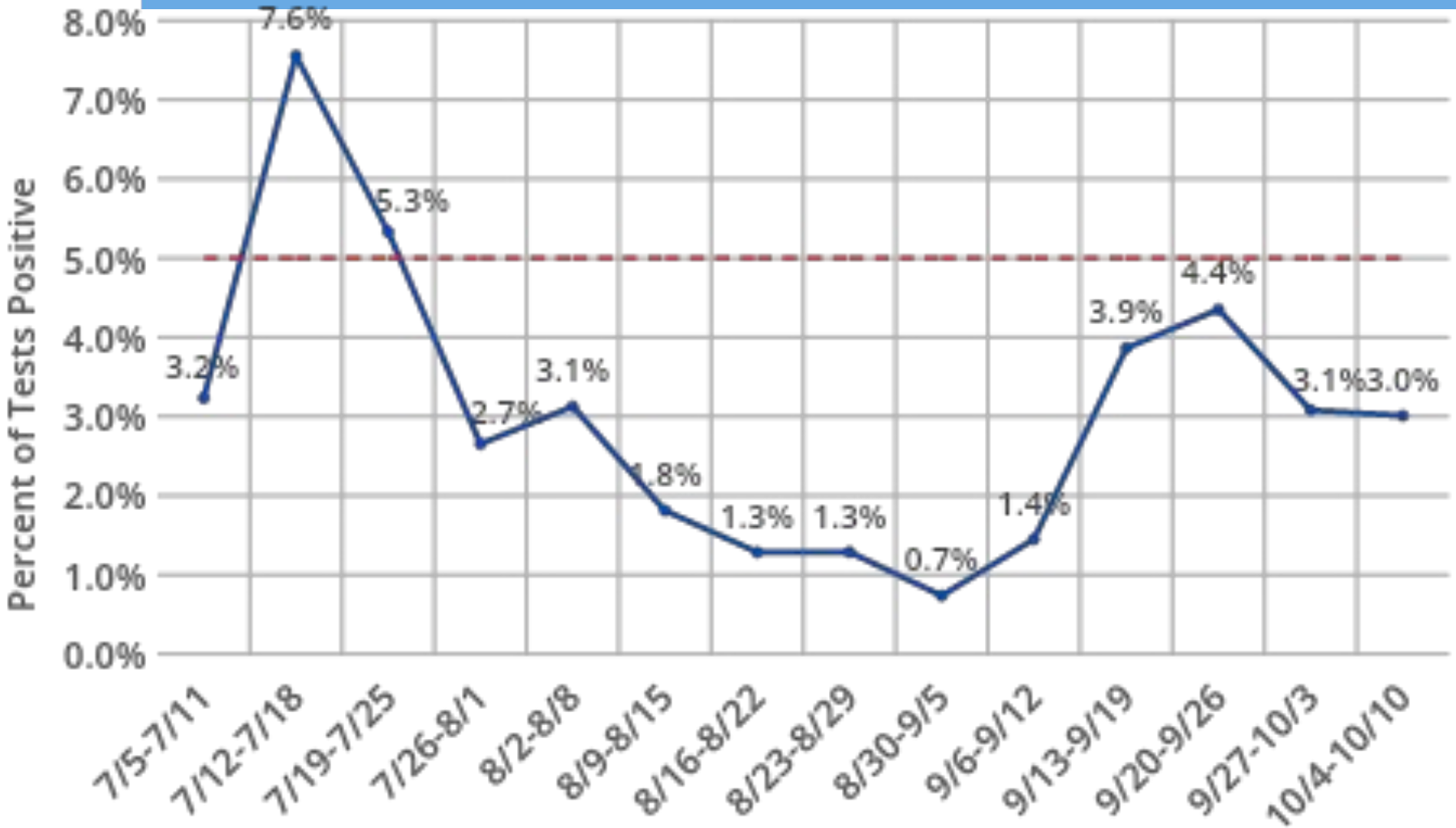
Data as of 10/12/20

School Metrics: Weekly Case Rates per 100,000 population



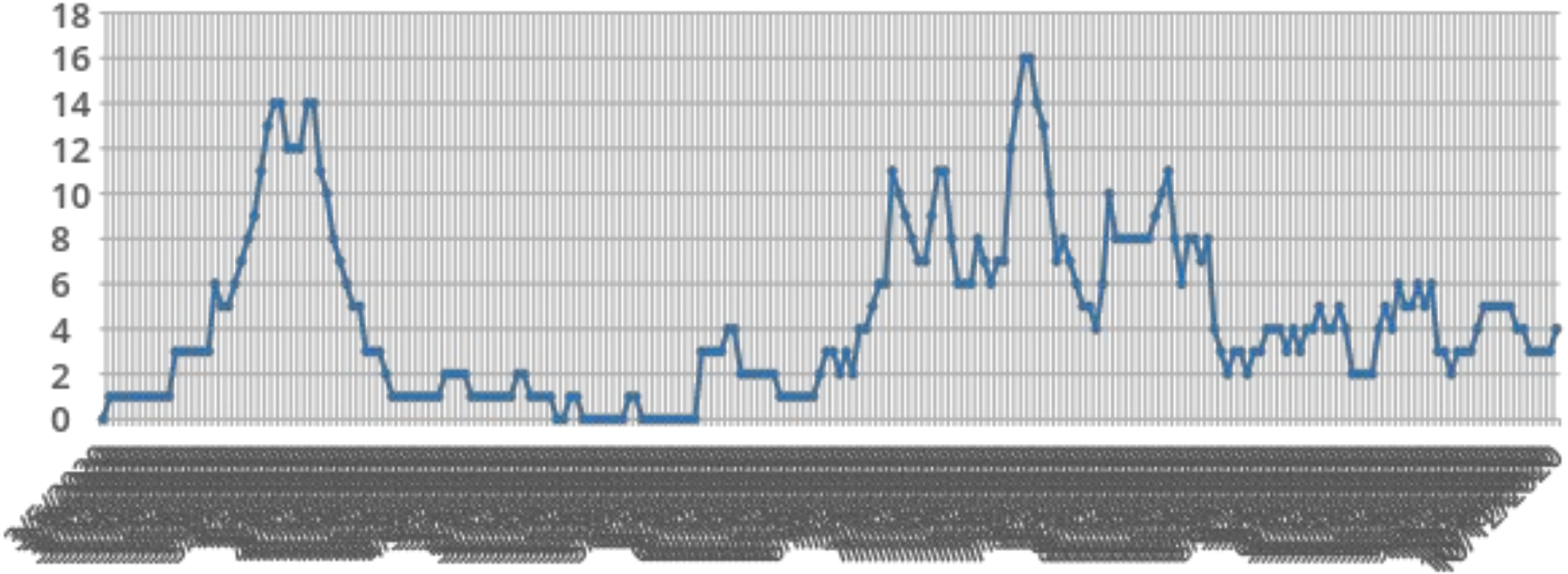
Data are provisional and subject to change. Benchmarks shown are for schools to return to in-person instruction through ODE On-Site or Hybrid Models. Exceptions apply.

School Metrics: Test Positivity (%) for Deschutes County



Data are provisional and subject to change. Benchmarks shown are for schools to return to in-person instruction through ODE On-Site or Hybrid Models. Exceptions apply.

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



Data as of 10/12/20

Clinical update

- SARS-CoV-2: official virologic name, Severe Acute Respiratory Syndrome Coronavirus-2
- Mutations
- Mortality
- Transmission
- Deaths and severe complications
- Care and treatment

School immunization

Want to keep your family healthy?

Routine vaccines: Safe. Effective. Easy.

#CatchUpGetAhead

Learn more at Vaccines.gov

vaccines.gov
your best shot at good health

Influenza during the COVID-19 pandemic

- Last week, there was one positive influenza B test
- Vaccines are available!
- All persons over 6 months
- Why get vaccinated?

- By getting vaccinated, you help protect the vulnerable, such as the elderly and those with chronic underlying medical conditions. These are people who are at increased risk of severe outcomes such as respiratory difficulties or death.
- Both influenza and COVID-19 can cause severe disease, but note that the influenza vaccine only protects against influenza.
- Dual infection with COVID-19 and influenza is likely to cause more severe outcomes.
- Both COVID-19 and influenza can disrupt healthcare services and the functioning of nursing homes. It is especially important this year that healthcare staff get vaccinated against influenza and that healthcare services keep running.

Key Messages

- Deschutes values
- 20/80 rule
- No shame
- Flu vaccines
- Safe celebrations

https://www.oregon.gov/oha/ERD/Pages/Halloween-Social-Cards.aspx

Steps to Take When Trick or Treating

Make Trick-Or-Treating Safer

- Avoid direct contact with trick-or-treaters.
- Give out treats outdoors, if possible.
- Set up a station with individually bagged treats for kids to take.
- Wash hands before handling treats.
- Wear a mask.

CDC

cdc.gov/coronavirus

Steps to Take for Other Halloween Activities

Enjoy Halloween activities and take steps to protect yourself from getting or spreading COVID-19

Remember to always

- Wear a cloth mask
- Indoors and outdoors, stay at least 6 feet away from others who do not live with you.
- Wash your hands or use hand sanitizer frequently

Decorate and carve pumpkins

- Decorate your home for Halloween.
- Carve pumpkins with members of your household or outside with neighbors or friends.
- Walk from house to house, admiring Halloween decorations at a distance.

Visit an orchard, forest, or corn maze. Attend a scavenger hunt.

- Go on an outdoor Halloween-themed scavenger hunt.
- Visit a pumpkin patch or orchard. Remember to wash your hands or use hand sanitizer frequently, especially after touching frequently touched surfaces, pumpkins, or apples.
- Go to a one-way, walk-through haunted forest or corn maze.

Other Ideas

- Hide Halloween treats in and around your house. Hold a Halloween treat hunt with household members.
- Hold an outdoor costume parade or contest so everyone can show off their costumes.
- Host an outdoor Halloween movie night with friends or neighbors or an indoor movie night with your household members.

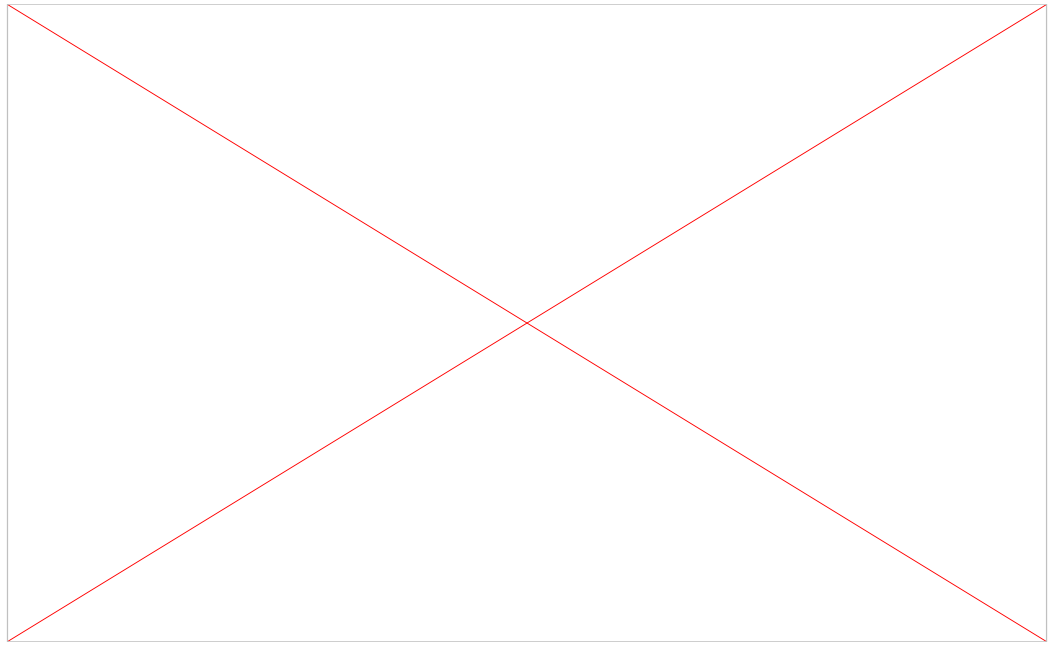
CDC

cdc.gov/coronavirus

This week's quiz

We are all in this together when it comes to responsibility and disease burden.

A- True
B- Partially true

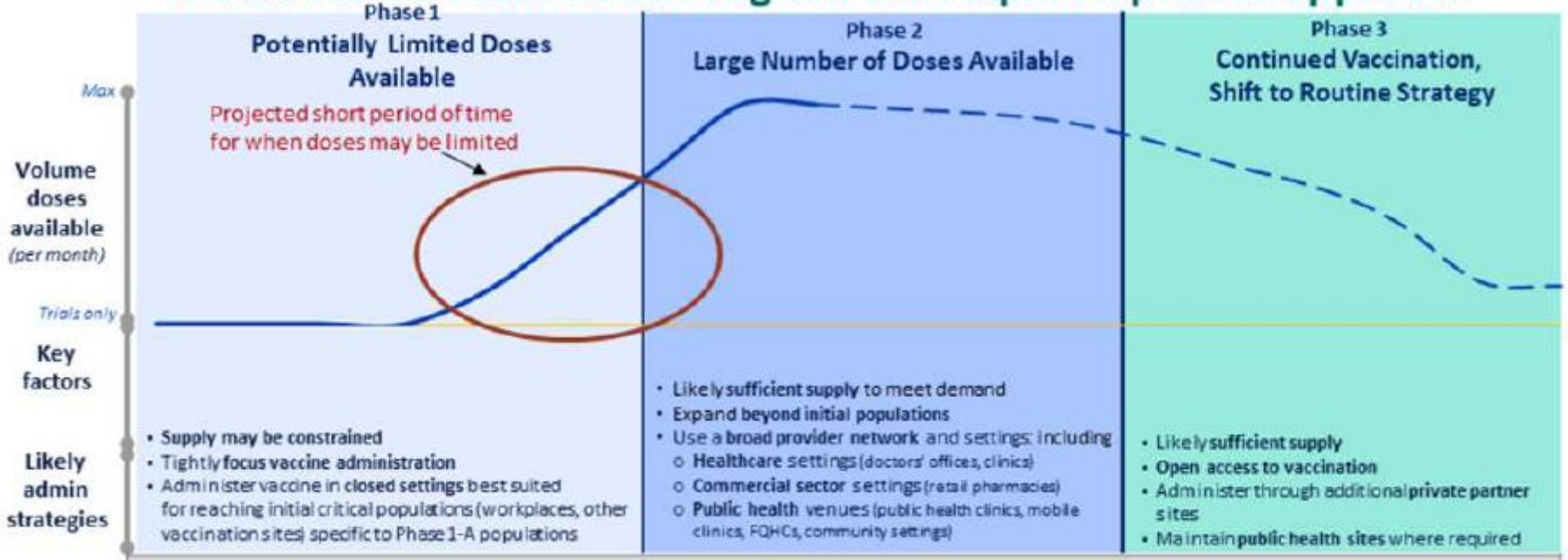


Deschutes United, Caring, Smart.

Extra Slides (if needed)

Current federal assumptions

The COVID-19 Vaccination Program will require a phased approach



Populations of Focus*

Phase 1	Phase 2	Phase 3
Phase 1-A: • Paid and unpaid persons serving in healthcare settings who have the potential for direct or indirect exposure to patients or infectious materials and are unable to work from home.	• Remainder of Phase 1 populations • Critical populations** • General population	• Remainder of Phase 1 populations • Critical populations** • General population
Phase 1-B: • Other essential workers • People at higher risk of severe COVID-19 illness, including people 65 years of age and older		

Influenza

during the COVID-19 pandemic

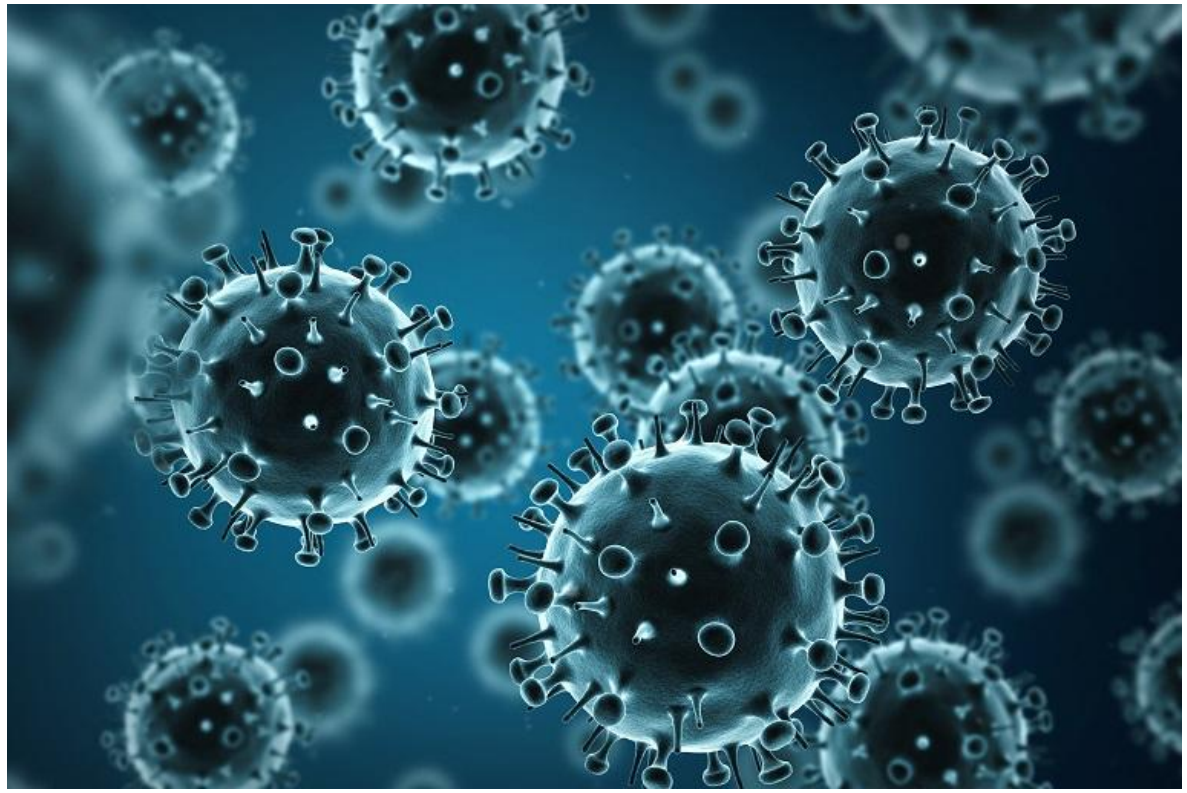
Why is it important to get vaccinated against influenza during the COVID-19 pandemic?

- By getting vaccinated, you help protect the vulnerable, such as the elderly and those with chronic underlying medical conditions. These are people who are at increased risk of severe outcomes such as respiratory difficulties or death.

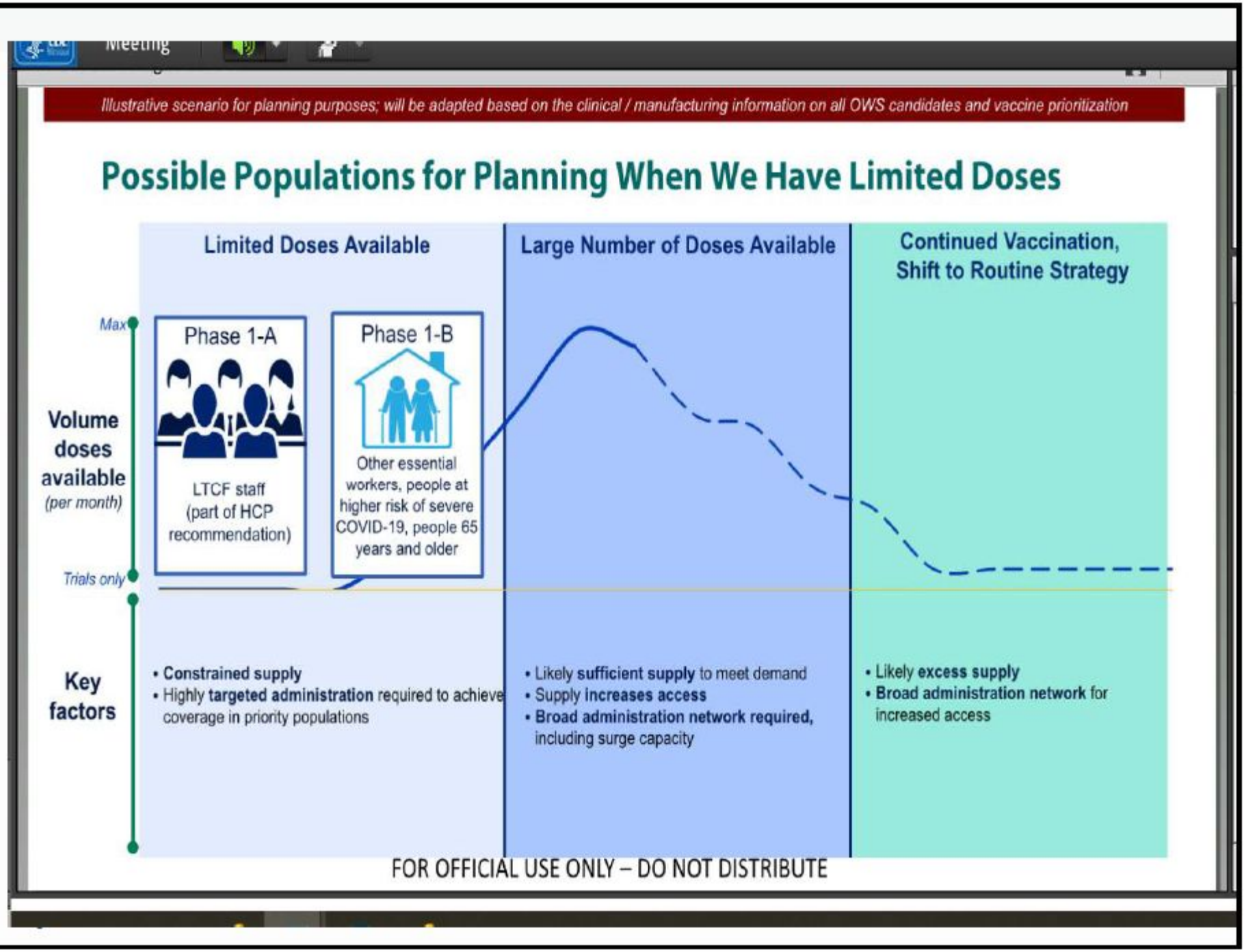
- Both influenza and COVID-19 can cause severe disease, but note that the influenza vaccine only protects against influenza.

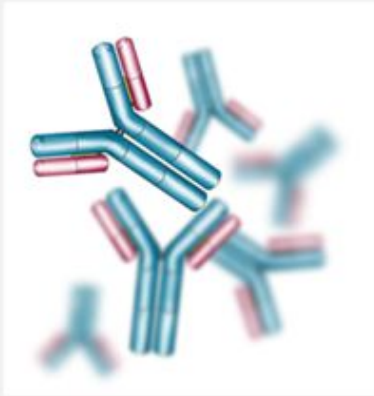
- Dual infection with COVID-19 and influenza is likely to cause more severe outcomes.

- Both COVID-19 and influenza can disrupt healthcare services and the functioning of nursing homes. It is especially important this year that healthcare staff get vaccinated against influenza and that healthcare services keep running.



DESCHUTES COUNTY


Meeting
Illustrative scenario for planning purposes; will be adapted based on the clinical / manufacturing information on all OWS candidates and vaccine prioritization
Possible Populations for Planning When We Have Limited Doses
Limited Doses Available
Large Number of Doses Available
Continued Vaccination, Shift to Routine Strategy
Max
Volume doses available (per month)
Trials only
Phase 1-A
LTCF staff (part of HCP recommendation)
Phase 1-B
Other essential workers, people at higher risk of severe COVID-19, people 65 years and older
Key factors
• Constrained supply
• Highly targeted administration required to achieve coverage in priority populations
• Likely sufficient supply to meet demand
• Supply increases access
• Broad administration network required, including surge capacity
• Likely excess supply
• Broad administration network for increased access
FOR OFFICIAL USE ONLY – DO NOT DISTRIBUTE

			
	PCR Test	**Antibody Test**	**Antigen Test**
Detects	Virus RNA	Antibodies	Virus antigens
Sample	Nose/ Throat swab	Blood	Nose/ throat swab
Indicates	Current Infection	Past Infection	Current Infection
Uses	Diagnosis	Population screening	Under development, not in common use


Abbott
BinaxNOW
COVID-19 Ag CARD
REF 195-000
CONTROL
SAMPLE
BinaxNOW
COVID-19 Ag
CARD

Governor Brown's press conference 10/6/20 re: rapid testing and follow-up materials from OHA

Oregon Testing Strategy Using BinaxNOW

- Initial distribution to emphasize using tests in outpatient settings ***consistent with updated, more robust testing strategy***: testing of all symptomatic persons and close contacts of cases.
- This more robust testing strategy will slow COVID spread in the community and **allow K-12 schools in Oregon to reopen** sooner.
- Number of tests are not enough to perform routine, serial testing and there remains no evidence to support this as a rational public health strategy.
- **May modify** as we understand test performance and pandemic needs evolve.
- Continue to test at-risk, vulnerable populations: **homeless, migrant and seasonal farmworkers, communities of color.**

Total Cases	Deaths	Hospitalizations	Positive Tests	Negative Tests	Total Tests
37,780	605	2,817	35,878	713.5K	749.4K

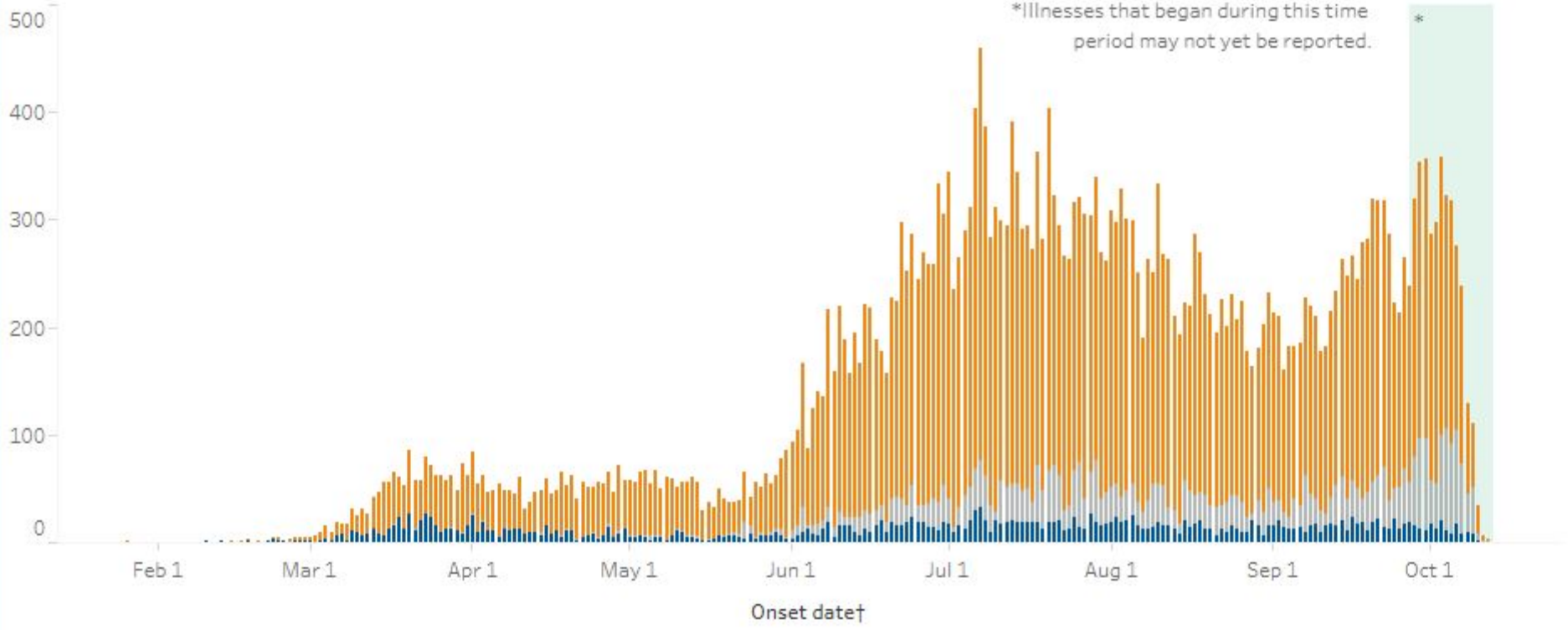
Oregon's Epi Curve | View total persons tested

Data current as of 12:01am 10/13/2020

Oregon's Epi Curve: COVID-19 cases

This chart shows the number of Oregonians who have been identified as COVID-19 cases and whether they were ever hospitalized for their illness.‡

Total Cases	Hospitalized	Not Hospitalized	Hospitalization Status Unknown
37,780	2,817	30,900	4,063



Enter or drag the cursors to change the onset date range.

January 26, 2020 — October 12, 2020

Not Hospitalized | Hospitalized | Hospitalization Status Unknown

When people say we want to "flatten the curve," this is the curve they are talking about.

We want to slow the number of new cases of COVID-19 so our healthcare system isn't overwhelmed and can provide care to everyone who needs it. Staying home except for essential needs and practicing social distancing are important ways we can flatten the curve.

Please note: The light blue shaded area shows the past 17 days, and not all people who got sick during this time period have been reported yet to OHA.

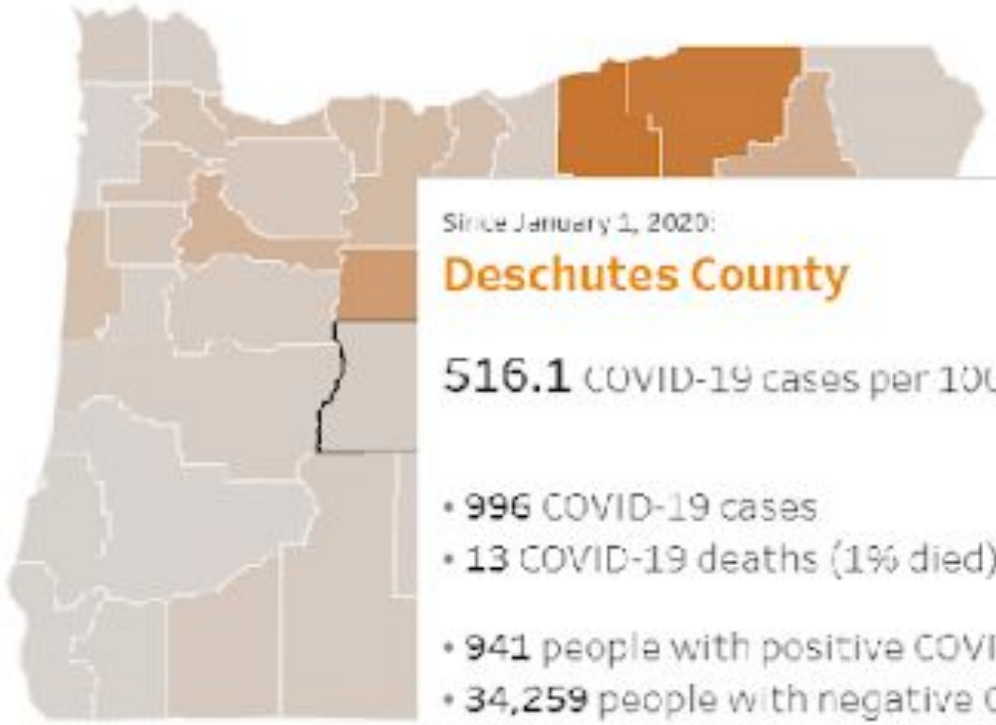
Total Cases	Deaths	Hospitalizations	Positive Tests	Negative Tests	Total Tests
37,780	605	2,817	35,878	713.5K	749.4K

Testing and Outcomes by County | Trends in Test Positivity

Data current as of 12:01am 10/13/2020

Oregon's COVID-19 Testing and Outcomes by County

This map shows the number of COVID-19 cases per 100,000 people by county in Oregon.* The number of cases in a community depends, in part, on the number of people who live there. Looking at the numbers this way helps us compare counties of different sizes more evenly than total case counts alone. Hover over a county in the map below to see the total number of cases, deaths, and people with positive and negative tests in that county. The table summarizes this information as rates and percentages for all counties.



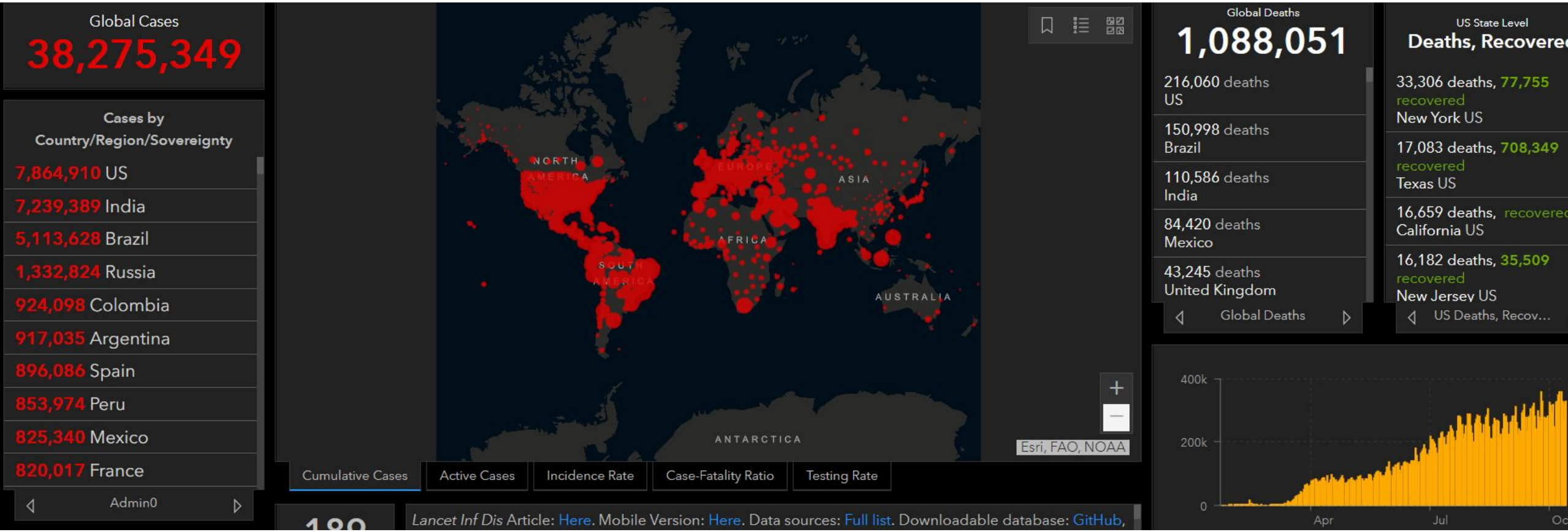
Since January 1, 2020:

Deschutes County

516.1 COVID-19 cases per 100,000 people.

- **996** COVID-19 cases
- **13** COVID-19 deaths (1% died)
- **941** people with positive COVID-19 tests (3% positive)
- **34,259** people with negative COVID-19 tests (97% negative)

	Case Count per 100,000	Deaths (%)	Positive Tests (%)	Negative Tests (%)	Test Count per 100,000
All	1,051.3	2%	5%	95%	17,480.0
Malheur	5,682.1	2%	23%	77%	23,570.5
Morrow	4,194.5	1%	21%	79%	19,175.3
Umatilla	3,936.4	1%	18%	82%	21,213.7
Jefferson	2,474.6	1%	9%	91%	24,263.5
Union	1,667.2	0%	7%	93%	19,224.1
[illegible]	[illegible]	[illegible]	8%	92%	17,007.5
[illegible]	[illegible]	[illegible]	5%	95%	21,305.6
[illegible]	[illegible]	[illegible]	4%	96%	22,318.2
[illegible]	[illegible]	[illegible]	5%	95%	20,242.1
[illegible]	[illegible]	[illegible]	4%	96%	21,219.0
[illegible]	[illegible]	[illegible]	5%	95%	19,945.0
[illegible]	[illegible]	[illegible]	5%	95%	17,428.3
[illegible]	[illegible]	[illegible]	4%	96%	18,462.0
[illegible]	[illegible]	[illegible]	5%	95%	13,265.7
[illegible]	[illegible]	[illegible]	5%	95%	12,492.6
[illegible]	[illegible]	[illegible]	4%	96%	16,398.6
[illegible]	[illegible]	[illegible]	3%	97%	17,424.2
[illegible]	[illegible]	[illegible]	4%	96%	16,414.1


Global Cases
38,275,349
Cases by Country/Region/Sovereignty
7,864,910 US
7,239,389 India
5,113,628 Brazil
1,332,824 Russia
924,098 Colombia
917,035 Argentina
896,086 Spain
853,974 Peru
825,340 Mexico
820,017 France
Admin0
NORTH AMERICA
EUROPE
ASIA
AFRICA
SOUTH AMERICA
AUSTRALIA
ANTARCTICA
Esri, FAO, NOAA
Cumulative Cases
Active Cases
Incidence Rate
Case-Fatality Ratio
Testing Rate
Lancet Inf Dis Article: Here. Mobile Version: Here. Data sources: Full list. Downloadable database: GitHub,
Global Deaths
1,088,051
216,060 deaths US
150,998 deaths Brazil
110,586 deaths India
84,420 deaths Mexico
43,245 deaths United Kingdom
Global Deaths
US State Level
Deaths, Recovere
33,306 deaths, 77,755 recovered New York US
17,083 deaths, 708,349 recovered Texas US
16,659 deaths, recovered California US
16,182 deaths, 35,509 recovered New Jersey US
US Deaths, Recov...
400k
200k
0
Apr
Jul

United States COVID-19 Cases and Deaths by State

Reported to the CDC since January 21, 2020

Deschutes County

TOTAL CASES	CASES IN LAST 7 DAYS	TOTAL DEATHS
7,835,007	359,835	215,194
+47,459 New Cases		+748 New Deaths

CDC | Updated: Oct 14 2020 12:21PM

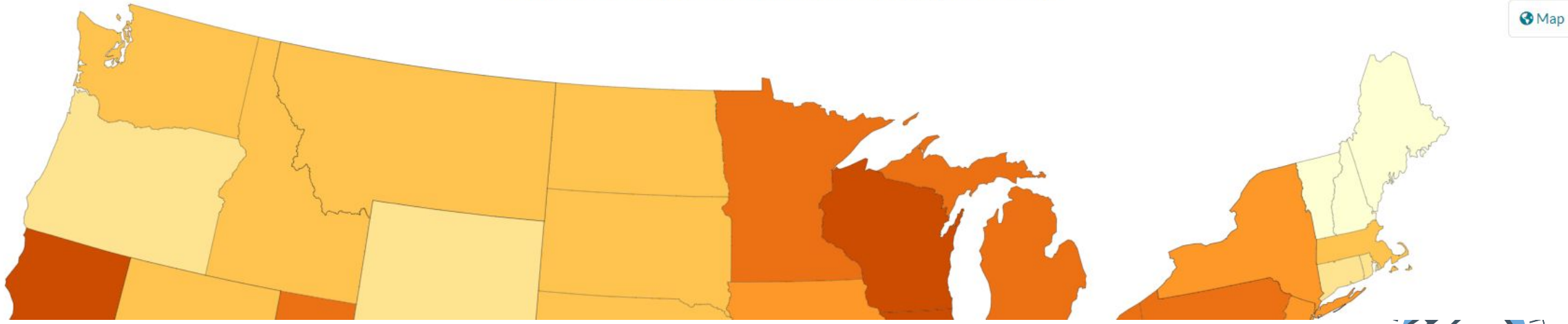
View:
- (●) Cases
- ( ) Deaths

Time period:
- (●) Last 7 Days
- ( ) Since Jan 21, 2020

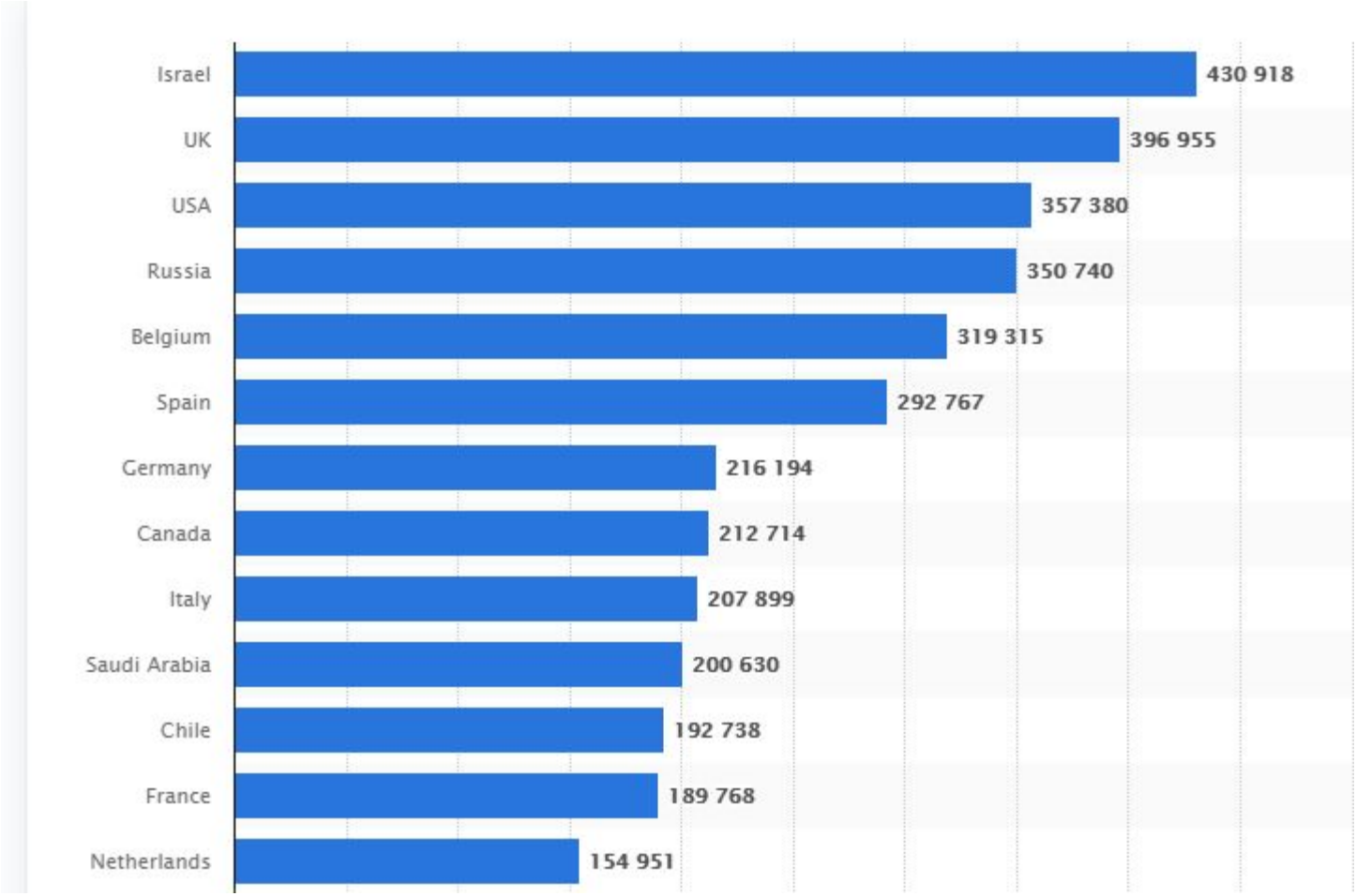
Metric:
- (●) Count
- ( ) Rate per 100,000

US COVID-19 Cases Reported to the CDC in the Last 7 Days, by State/Territory

Map



Rate of COVID-19 tests (per million)



Mortality in the most affected countries