

# Risk Level Metrics: Schools and Counties

Oregon public health officials have developed evidence-based metrics to determine and track county risk levels. These data guide school reopening and county risk level assignment in Oregon.

## ***What is the data source?***

Data presented in this document come from Oregon's case investigation database, the Oregon Pandemic Emergency Response Application (Opera). Opera is the tool by which Local Public Health Authorities (LPHAs) receive and process COVID-19 test results, including Electronic Laboratory Reports (ELRs) and Electronic Case Reports (ECRs), as well as manage information collected from case interviews and medical record reviews.

## ***What is the time period?***

On Mondays, OHA pulls the number of COVID-19 cases, cases per 100,000 residents, and test positivity by county for the previous two full weeks from Opera. Weeks run from Sunday to Saturday following the Center for Disease Control's standard Morbidity and Mortality Weekly Report (MMWR) week. The case counts, case rates, and test positivity numbers are used to determine the county risk levels. For case counts and case rates, cases are assigned to a MMWR week based on the date when public health first identified them as a confirmed or presumptive COVID-19 case. For percent test positivity, lab results are assigned to a MMWR week based on the date the test result was reported to public health.

For more information on how the risk levels are determined, please visit:

<https://coronavirus.oregon.gov/Pages/living-with-covid-19.aspx#currentrisklevelbycountyma>

## ***What is the Difference Between a Movement Week and a Warning Week?***

County risk levels run on a two-week cycle. The first week is a movement week and the second week is a warning week. On movement weeks, data are updated on Monday and counties are notified of any change in risk level; changes go into effect on the Friday of a movement week. OHA continues to monitor these metrics during warning weeks, however, and provides an update on case counts, rates, and percent positivity.

## ***Where Can I Find My County's Current Risk Level?***

For information on what risk level your county is in right now go to:

<https://coronavirus.oregon.gov/Pages/living-with-covid-19.aspx#countystatus>

The map on this site colors counties by their current risk level. New data are pulled every Monday, but the county colors on the map only change on the day counties move risk levels.

## ***How Does OHA Calculate Test Positivity?***

OHA receives test results from a variety of laboratories and health care providers. To calculate test positivity, OHA pulls all test results received from Electronic Lab Reports (ELRs) and via Oregon's COVID Reporting Portal (OCR) that were reported to public health in the previous two full MMWR weeks by county. Next, the positive number of test results in each county are divided by the total number of test results in each county to calculate the county's test positivity rate.

## ***Are Adults in Custody (AICs) Included in County Case Counts?***

Adults in Custody are not included in case counts or rates for the determination of county risk levels and school operating recommendations. The data presented in this document may include AICs, but OHA examines cases in AICs in state and federal facilities weekly because these individuals do not interact with members of the broader community and do not directly contribute to community spread of COVID-19. If cases of COVID-19 in AICs would lead to a county being placed in a higher risk level, they are manually subtracted from the counts and rates and that is noted below the COVID-19 risk level map [here](#).



Document accessibility: For individuals with disabilities or individuals who speak a language other than English, OHA can provide information in alternate formats such as translations, large print, or braille. Contact the Health Information Center at 1-971-673-2411, 711 TTY or [COVID19.LanguageAccess@dhsosha.state.or.us](mailto:COVID19.LanguageAccess@dhsosha.state.or.us)

## Weekly Monitoring Periods From Feb. 21 – Mar. 20

This table is based on data pulled at 12:01 AM on March 22, 2021. For case counts and case rates, cases are assigned to a week based on their true case date, which is the date when public health first identified them as a confirmed or presumptive COVID-19 case. For percent positivity in testing, lab results are assigned to a week based on the date their test result was reported to Public Health. All data are provisional and subject to change.

County	County Size	Time Period	Case Count	Cases per 100,000	Test Positivity
Oregon, statewide		02/21/2021 - 03/06/2021	4,579	108.1	3.2%
		02/28/2021 - 03/13/2021	4,097	96.7	3.2%
		03/07/2021 - 03/20/2021	4,335	102.3	3.3%
Baker	Medium‡	02/21/2021 - 03/06/2021	45	267.6	6.3%
		02/28/2021 - 03/13/2021	34	202.2	5.0%
		03/07/2021 - 03/20/2021	24	142.7	2.3%
Benton	Large†	02/21/2021 - 03/06/2021	130	137.8	2.3%
		02/28/2021 - 03/13/2021	99	104.9	1.5%
		03/07/2021 - 03/20/2021	121	128.2	1.7%
Clackamas	Large†	02/21/2021 - 03/06/2021	346	81.7	3.4%
		02/28/2021 - 03/13/2021	363	85.7	4.0%
		03/07/2021 - 03/20/2021	418	98.7	4.2%
Clatsop	Large†	02/21/2021 - 03/06/2021	14	35.6	3.2%
		02/28/2021 - 03/13/2021	14	35.6	4.3%
		03/07/2021 - 03/20/2021	28	71.2	4.7%
Columbia	Large†	02/21/2021 - 03/06/2021	63	119.4	3.8%
		02/28/2021 - 03/13/2021	33	62.6	2.3%
		03/07/2021 - 03/20/2021	30	56.9	2.7%
Coos	Large†	02/21/2021 - 03/06/2021	239	377.6	10.0%
		02/28/2021 - 03/13/2021	212	335.0	10.0%
		03/07/2021 - 03/20/2021	200	316.0	10.0%
Crook	Medium‡	02/21/2021 - 03/06/2021	16	68.3	3.9%
		02/28/2021 - 03/13/2021	11	46.9	3.6%
		03/07/2021 - 03/20/2021	15	64.0	4.5%
Curry	Medium‡	02/21/2021 - 03/06/2021	48	208.7	9.1%
		02/28/2021 - 03/13/2021	53	230.4	6.2%
		03/07/2021 - 03/20/2021	69	300.0	7.3%

\*Small counties are those with less than 15,000 residents. School reopening decisions in these counties are based on case counts.

‡Medium counties are those with greater than 15,000 but less than 30,000 residents. School reopening decisions in these counties are based on case counts and test positivity.

†Large counties are those with 30,000 or more residents. School reopening decisions in these counties are based on cases per 100,000 and test positivity.

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County	County Size	Time Period	Case Count	Cases per 100,000	Test Positivity
Deschutes	Large†	02/21/2021 - 03/06/2021	183	94.8	2.4%
		02/28/2021 - 03/13/2021	158	81.9	2.2%
		03/07/2021 - 03/20/2021	142	73.6	1.9%
Douglas	Large†	02/21/2021 - 03/06/2021	272	242.3	5.8%
		02/28/2021 - 03/13/2021	234	208.5	4.9%
		03/07/2021 - 03/20/2021	178	158.6	3.9%
Gilliam	Small*	02/21/2021 - 03/06/2021	1	50.2	1.9%
		02/28/2021 - 03/13/2021	1	50.2	1.2%
		03/07/2021 - 03/20/2021	0	0.0	0.0%
Grant	Small*	02/21/2021 - 03/06/2021	8	108.7	4.9%
		02/28/2021 - 03/13/2021	26	353.3	9.2%
		03/07/2021 - 03/20/2021	33	448.4	9.7%
Harney	Small*	02/21/2021 - 03/06/2021	12	163.0	3.8%
		02/28/2021 - 03/13/2021	5	67.9	1.8%
		03/07/2021 - 03/20/2021	3	40.8	2.7%
Hood River	Medium‡	02/21/2021 - 03/06/2021	14	55.0	1.9%
		02/28/2021 - 03/13/2021	6	23.6	2.2%
		03/07/2021 - 03/20/2021	5	19.6	1.4%
Jackson	Large†	02/21/2021 - 03/06/2021	473	213.7	7.8%
		02/28/2021 - 03/13/2021	403	182.1	7.4%
		03/07/2021 - 03/20/2021	373	168.6	6.3%
Jefferson	Medium‡	02/21/2021 - 03/06/2021	58	243.3	5.9%
		02/28/2021 - 03/13/2021	34	142.6	4.4%
		03/07/2021 - 03/20/2021	23	96.5	2.8%
Josephine	Large†	02/21/2021 - 03/06/2021	146	168.3	5.0%
		02/28/2021 - 03/13/2021	183	210.9	5.3%
		03/07/2021 - 03/20/2021	246	283.6	5.8%
Klamath	Large†	02/21/2021 - 03/06/2021	64	93.9	4.8%
		02/28/2021 - 03/13/2021	79	115.9	6.1%
		03/07/2021 - 03/20/2021	89	130.5	6.4%

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Lake	Small*	02/21/2021 - 03/06/2021	12	148.5	3.3%
		02/28/2021 - 03/13/2021	14	173.2	2.7%
		03/07/2021 - 03/20/2021	8	99.0	1.2%
Lane	Large†	02/21/2021 - 03/06/2021	350	92.4	1.8%
		02/28/2021 - 03/13/2021	223	58.9	1.1%
		03/07/2021 - 03/20/2021	177	46.7	0.7%
Lincoln	Large†	02/21/2021 - 03/06/2021	20	41.4	2.2%
		02/28/2021 - 03/13/2021	22	45.6	1.5%
		03/07/2021 - 03/20/2021	38	78.7	3.1%
Linn	Large†	02/21/2021 - 03/06/2021	86	68.0	1.7%
		02/28/2021 - 03/13/2021	85	67.2	2.0%
		03/07/2021 - 03/20/2021	114	90.1	2.9%
Malheur	Large†	02/21/2021 - 03/06/2021	36	112.4	2.7%
		02/28/2021 - 03/13/2021	22	68.7	1.5%
		03/07/2021 - 03/20/2021	19	59.3	1.1%
Marion	Large†	02/21/2021 - 03/06/2021	460	132.3	3.6%
		02/28/2021 - 03/13/2021	408	117.3	3.4%
		03/07/2021 - 03/20/2021	438	125.9	3.9%
Morrow	Small*	02/21/2021 - 03/06/2021	21	165.6	6.1%
		02/28/2021 - 03/13/2021	6	47.3	2.5%
		03/07/2021 - 03/20/2021	4	31.5	1.1%
Multnomah	Large†	02/21/2021 - 03/06/2021	503	61.2	2.2%
		02/28/2021 - 03/13/2021	528	64.3	2.3%
		03/07/2021 - 03/20/2021	675	82.1	2.4%
Polk	Large†	02/21/2021 - 03/06/2021	121	145.9	4.0%
		02/28/2021 - 03/13/2021	75	90.4	2.8%
		03/07/2021 - 03/20/2021	60	72.3	2.0%
Sherman	Small*	02/21/2021 - 03/06/2021	1	56.4	0.0%
		02/28/2021 - 03/13/2021	0	0.0	1.8%
		03/07/2021 - 03/20/2021	0	0.0	3.7%

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Tillamook	Medium‡	02/21/2021 - 03/06/2021	30	113.2	3.8%
		02/28/2021 - 03/13/2021	40	151.0	3.8%
		03/07/2021 - 03/20/2021	33	124.5	3.7%
Umatilla	Large†	02/21/2021 - 03/06/2021	128	157.7	5.1%
		02/28/2021 - 03/13/2021	98	120.7	4.7%
		03/07/2021 - 03/20/2021	108	133.1	4.6%
Union	Medium‡	02/21/2021 - 03/06/2021	42	156.5	5.9%
		02/28/2021 - 03/13/2021	52	193.7	8.0%
		03/07/2021 - 03/20/2021	43	160.2	5.1%
Wallowa	Small*	02/21/2021 - 03/06/2021	2	28.0	2.3%
		02/28/2021 - 03/13/2021	2	28.0	3.2%
		03/07/2021 - 03/20/2021	1	14.0	5.2%
Wasco	Medium‡	02/21/2021 - 03/06/2021	4	14.7	0.3%
		02/28/2021 - 03/13/2021	10	36.7	1.2%
		03/07/2021 - 03/20/2021	14	51.4	3.0%
Washington	Large†	02/21/2021 - 03/06/2021	528	86.1	3.5%
		02/28/2021 - 03/13/2021	495	80.7	3.9%
		03/07/2021 - 03/20/2021	547	89.2	4.3%
Wheeler	Small*	02/21/2021 - 03/06/2021	0	0.0	0.0%
		02/28/2021 - 03/13/2021	1	69.5	1.2%
		03/07/2021 - 03/20/2021	3	208.6	4.6%
Yamhill	Large†	02/21/2021 - 03/06/2021	103	95.3	2.5%
		02/28/2021 - 03/13/2021	68	62.9	2.4%
		03/07/2021 - 03/20/2021	54	50.0	3.2%

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