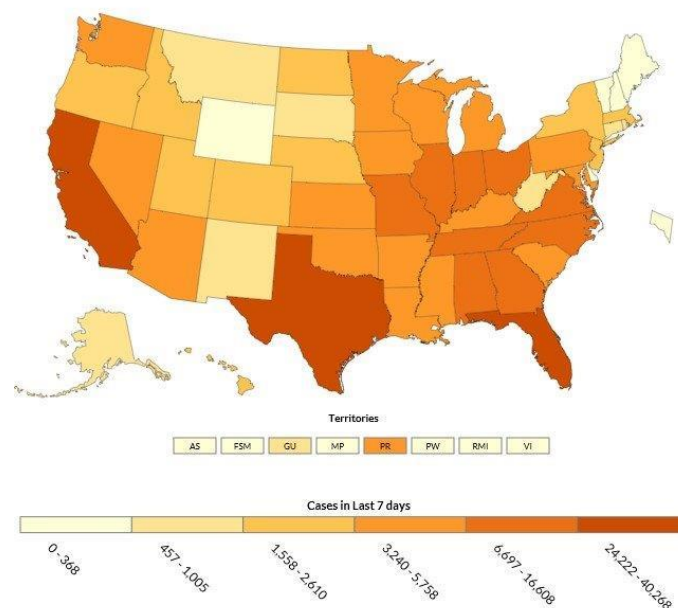


American COVID-19 Public Health Response Measures: Week of August 22-28, 2020

Key Updates**Trends**

- As of August 27, 2020: there have been more than **6.8M** cases and **178K** deaths in the US.
 - Over the past week, there have been an average of 41,731 cases per day. This is a decrease of 12% compared to the previous week, and a decrease of 21% from two weeks earlier. The percent positivity has also declined over the past two weeks and is currently 5.9%.
 - Over the past 14 days, new cases have decreased by over 20% in several states including California, Florida, Texas, Louisiana, Georgia, and Nevada. At the same time, over the past 14 days, new cases have increased over 50% in Connecticut, Iowa, Kansas, Maine, North Dakota, and South Dakota.
 - Across the US, the 7-day average number of COVID-19 deaths dropped to 940 daily cases this past week. It had been above 1000 since the end of July.
 - Cases among children have increased by 21% between August 6 and 20 with over 74K children testing positive during that period.
 - The availability of ICU beds is constrained at over 80% in Alabama, Washington, Rhode Island, Arizona, and Texas

Table 1: US COVID-19 Cases Reported to the CDC in the Last 7-Days by State/Territory (August 27, 2020)Source: [CDC](https://www.cdc.gov/covid19/cases)**Testing**

- CDC testing change and reversal:** It was reported that the CDC reversed its controversial change to its testing guidelines on Thursday August 27, following intense criticism. On August 24, the CDC had changed its COVID-19 testing to state that those without symptoms "do not necessarily need a test" even if they have been in close contact with a COVID-19 case. There was concern this change came at a precarious moment when college and K-12 students are heading back to class and broad testing is central to reopening plans. The president of the American Medical Association had called the updated guidelines a "step backwards in fighting the pandemic." However, the guidance has not been updated on the CDC website. California, Connecticut, Florida, Texas, New Jersey and New York have announced that they all plan to continue to test asymptomatic people who have been exposed to COVID-19.
- Diagnostic Test:** On August 26, FDA issued an *Emergency Use Authorization* for the first antigen test where results can be read directly from the testing card, a similar design to some pregnancy tests. This simple design is fast and efficient for healthcare providers and patients and does not require an analyzer. This test could be used at point-of-care settings, like a doctor's office, emergency room or school. Given the simple nature of this test, and cost (\$5), it could be made broadly available. The FDA authorization was issued to Abbott Diagnostics for BinaxNOW COVID-19 Ag Card. The company plans to ship tens of millions of tests in September, ramping to 50M tests a month at the beginning of October. As of August 24, the FDA had authorized 221 tests under EUAs; these include 179 molecular tests, 39 antibody tests, and 3 antigen tests.

Hurricane

- Hurricane and COVID-19:** The New York Times reports that the states of Louisiana and Texas are facing a convergence of two public health emergencies – COVID-19 and Hurricane Laura. Over 500,000 have had to leave their homes and proceed to shelters set-up throughout the hurricane zone though many have opted to book hotel rooms. Virus testing sites have been closed in many areas and families have piled onto buses to flee the storm. Both states have high cases of COVID-19 leading to concerns that evacuation efforts and reduced testing will further exacerbate the outbreak.

Vaccine and Therapeutic Product

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- **Blood Plasma Approval:** The FDA issued an *Emergency Use Authorization* on Sunday, August 23 for the expanded use of antibody-rich blood plasma to help hospitalized coronavirus patients. It was [reported](#) that no randomized trials of the type that researchers consider the most robust have shown benefit. However, the FDA concluded that a dozen studies had indicated that there is reason to believe that the treatment could be effective. The FDA has previously delayed approval and were under criticism from the White House on slowing the approval.
- **Minority Populations and Vaccine:** Kaiser Health News [reports](#) that Harbor-University of California Los Angeles Medical Centre is starting recruitment this week for a COVID-19 vaccine produced by AstraZeneca. The plan is to recruit most of the 500 participants from the high-risk patients it currently treats: those over 65, those with chronic illnesses and underserved racial and ethnic groups. As part of the recruitment efforts participants will receive \$100 for each of the 15-20 visits over the next 2 years, and will also receive transportation to the clinic.
- **Antiviral Drug - Remdesivir:** On August 20, NIH told [Public Citizen](#) its scientists agree that GS-441524, which like remdesivir, is converted in the human body into remdesivir triphosphate, which helps prevent viruses from replicating. This study concluded that this drug deserves further study as an alternative to remdesivir that could save the government money because the patents for the drug are older than those for remdesivir.

PPE and Medical Supplies

- **N95 Supply:** On August 25, the Department of [Health and Human Services](#) announced the release of 1.5M N95 respirators from the Strategic National Stockpile for distribution to approximately 3,336 nursing home facilities across the US. Beginning August 28, the Defense Logistics Agency will direct shipments of N95 respirators to select nursing homes that recently reported having enough supplies for only zero to three days of operations. These respirators are meant to supplement existing supplies of personal protective equipment and will provide a seven-day supply for each nursing home to support an entire shift before discarding used products.

Public Health Measures

- **Rural Hospital Closures:** A new [article](#) from Kaiser health news reports that COVID-19 is creating conditions that may increase the trend of small rural hospitals closing across the US – 14 rural hospitals have closed thus far in 2020. These hospitals have faced a reduction in revenue related to cancelled surgeries. At the same time, they have had to purchase additional medical supplies to address COVID-19. Evidence shows that when a rural hospital closes the death rate in the surrounding community increases by 6% and this is troubling as the rural population often has chronic health conditions. This situation is concerning as it may further restrict public access to medical services in rural areas in the midst of a pandemic.

Health Consequences

- **Sex Differences:** A new study by a team of Yale researchers published in [Nature](#), examines possible reasons behind the observed sex-differences in the clinical outcome of COVID-19 infections whereby males have more serious outcomes than females. In the study, females mounted more robust T cell activation than males and this difference was sustained in old age. The study found that a poor T cell response decreased with age and was associated with worse disease outcome in male patients, but not in female patients. These findings reveal a possible explanation underlying observed sex biases in COVID-19 disease conditions, and provide an important basis for the development of a sex-based approach to the treatment and care of men and women with COVID-19 infection.

Schools

- **University Outbreaks:** As of August 25, at least 24 states are reporting positive cases of COVID-19 at colleges and universities. This represents more than 3,300 cases of COVID-19 among students and staff. It has been [reported](#) that only 6-days after classes began, the University of Alabama's main campus in Tuscaloosa has already recorded 531 cases of COVID-19. University police and Tuscaloosa police will monitor restaurants, and off-campus residents to ensure guidelines are being followed. All bars in the city have also been closed due to the rise in cases. More than 100 students at [University of Southern California](#) have tested positive in 3 days. Of these, 73 tested positive while symptomatic and another 31 were non-symptomatic and tested positive as part of university's general surveillance testing program. The positivity rate is 2.7% which is considered high. These data further indicates that asymptomatic cases are a concern as universities open this fall.
- **Penalties:** Facing increases in coronavirus cases at colleges and universities across the US, students are receiving [suspensions](#) for violating pandemic safety rules. Ohio State University has issued 228 interim suspensions for violating rules against large gatherings. Syracuse University also suspended 23 students and another 36 were suspended by Purdue University after holding gatherings.

Workplace

- **Workplace Violence Advice:** Following frequent confrontations over mask wearing and other COVID-19 policies, the [CDC](#) issued advice for limiting workplace violence associated with the implementation of COVID-19 prevention policies in retail and services businesses. Basic '*dos and don'ts*' were issued for employees including advice not to force customers who appear upset or violent to follow COVID-19 prevention policies. The CDC also issued employers several pieces of advice to help prevent workplace violence including employee training, advertising and posting COVID-19 policies, and putting in place steps to assess and respond to workplace violence.

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ANNEX A: Measures by State for 22 Border and/or High-Traffic States¹

State ⁱⁱ	Gating Criteria ⁱⁱⁱ	Reopening Details of Phased Plan ⁱⁱⁱⁱ	Current Phase	Statewide SAH Order	Public Health Measures ^v			Cumulative #s		Cases in Past 7 Days ^{vi}	Testing and Tracing				
					Mass Gathering Limit	Domestic Travel Restrictions	Masks in Public ^{ix}	Cases ^x	Deaths ^{xi}		Testing Rate/1,000 ^{xiv}	Rate Trend ^{xv}	Positivity Rate ^{xiii}	Contact Tracers / 100,000 ^{xiii}	Highest ICU Occupancy in Last 7 Days ^{vi}
Alaska	1. Disease activity: declining or stable level 2. Testing capacity 3. Public health capacity to investigate, contact trace, and monitor everyone with COVID-19 plus their contacts 4. Enough space, equipment, and supplies for personnel to safely and effectively care for everyone with COVID-19, plus everyone else who needs health care	1. 25% capacity for businesses; small gatherings of less than 20 allowed; bars and entertainment venues remain closed 2. 50% capacity for businesses; 25% capacity for gyms, bars, libraries and theatres; 50% swimming pool capacity; gatherings of up to 50. 3. 75% capacity of businesses; larger gatherings allowed. 4. Personal protective measures with minimum community mitigation 5. Normal business practices	Three (05/22)	Lifted 04/24	Lifted (05/22)	Requirement for quarantine or negative Covid-19 test (08/11)	Suggested	4895	732	457	4.7	↑	2.0%	32	60%
California	1. Stable hospitalization and ICU trends 2. Ability for hospitals to meet demand 3. Sufficient PPE 4. Sufficient testing 5. Contact tracing across the state	1. Safety and Preparedness: Making essential workforce environment as safe as possible 2. Lower Risk Workplaces: Creating opportunities for lower risk sectors to adapt and re-open gradually; modified school programs and childcare re-open. 3. Higher Risk Workplaces: Creating opportunities for higher risk sectors to adapt and re-open. 4. End of SAH Order: Return to expanded workforce in highest risk workplaces; requires Therapeutics.	Two - early (08/26) • New Restrictions (on monitoring list 3+ days): 34 counties • Not on Monitoring List: 18 counties	No end date	Statewide (03/19) Exception: faith-based and cultural <100 permitted (05/25)	Never applied	Mandatory	679099	12407	40268	2.5	↓	5.8%	27	67%
Florida	1. Downward trajectory of COVID like illness and influenza like illness 2. Downward trajectory of documented cases or downward trajectory of positive tests as a percent of total tests 3. Capability to treat without triggering surge capacity and robust testing for front-line workers	0. Essential services and activities only: avoid gatherings greater than 10; avoid non-essential travel; restaurants limited to take-out only; gyms closed; sporting events and theme parks closed. 1. Restaurants open at 50% capacity; gyms open at 50% capacity; state parks and public beaches allowed partial reopening; personal services open at 50% capacity. 2. Avoid gatherings greater than 50; resume non-essential travel; bars open at 50% capacity; restaurants, gyms, and personal services at 75% capacity; public beaches fully open; event and theme parks at 50% capacity 3. Minimize contact with crowds; bars, restaurants, gyms, personal businesses at full capacity.	Two (except 3 counties 06/05)	Expired 04/30	>10 (public spaces only, 03/17)	Quarantine from certain states ^{xii}	Mandatory for employees in certain businesses	602113	10733	24222	1.2	↓	13.2%	12	71%
Idaho	1. Downward trend over most recent reported 14-day period, or less than 20 visits/day on average over same 14-day period at EDs 2. At least 50 available (unused) ventilators, 50 ICU beds, and available 10-day supply of PPE 3. Downward trend over most recent reported 14- day	Criteria will be assessed every two weeks to determine the feasibility of advancing to the next phase: 0. Gatherings prohibited; non-essential travel prohibited; bars closed; restaurants limited to take-out/delivery; gyms closed; personal services closed. (Pre-May 1) 1. Minimize non-essential travel; restaurants, gyms, and personal services to develop plans reopen. (May 1-15) 2. Gatherings of less than 10 allowed; restaurants,	• Three: 1 county • Four: 43 counties (06/13)	Expired 04/30	Lifted 06/13	Quarantine lifted (05/15)	Suggested	30780	337	2084	1.3	↔	13.7%	14	49%

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State ⁱ	Gating Criteria ⁱⁱⁱ	Reopening Details of Phased Plan ⁱⁱⁱⁱ	Current Phase	Public Health Measures ⁱⁱⁱ				Cumulative #s		Cases in Past 7 Days ^{iv}	Testing and Tracing			Highest ICU Occupancy in Last 7 Days ^{vi}	
				Statewide SAH Order	Mass Gathering Limit	Domestic Travel Restrictions	Masks in Public ^{ix}	Cases ^x	Deaths ^{xi}		Testing Rate/ 1,000 ^{xiv}	Rate Trend ^{xv}	Positivity Rate ^{xiii}		Contact Tracers / 100,000 ^{xiii}
	period, OR less than 2 healthcare workers reported/day on average over same 14-day period	gyms, and close contact to reopen with protocols; bars to develop reopening plans (May 16-29) 3. Gatherings of up to 50 allowed; non-essential travel to resume; bars and movie theatres to reopen if meeting protocols. (May 30-June 12) 4. Gatherings of more than 50 allowed; large venues (e.g., sport areas) can operate under limited protocols. (June 13-26)													
Illinois	1. At or under a 20% positivity rate, with no more than 10% points over a 14-day period 2. Ability perform 10,000 tests/day across the state 3. Available surge capacity of at least 14% of ICU beds, medical and surgical beds, and ventilators	1. Rapid Spread: Strict stay at home and social distancing guidelines are put in place; essential businesses open 2. Flattening: Nonessential retail stores reopen for curbside pickup and delivery; Illinoisans are directed to wear a face covering outside; outdoor activities like golf, boating and fishing allowed with physical distancing. 3. Recovery: Manufacturing, offices, retail, barbershops and salons can reopen to the public with capacity and other limits and safety precautions; gatherings limited to 10 people or fewer allowed. 4. Revitalization: Gatherings of 50 people or fewer allowed; restaurants and bars reopen; travel resumes; childcare and schools reopen. 5. Illinois Restored: Conventions, festivals and large events are permitted; all businesses, schools and places of recreation can open.	Four (all regions 06/26)	Expired 05/29	>50 (06/26)	Never applied	Mandatory	227044	8163	13823	3.9	↑	4.0%	13	57%
Maine	1. Downward trajectory of 1) influenza-like illnesses and COVID-like syndromic cases and 2) documented cases and newly hospitalized patients 2. Capacity of the hospital system to treat all patients without crisis care and the ability of the state to engage in a robust testing program	1. Prohibition on gatherings of more than 10 people; salons services open; retail open (May 11); restaurants open (May 18). 2. Prohibition of more than 50 people; day camps allowed; state park campgrounds open; gyms to reopen open; tanning and nail salons to reopen. (June) 3. Overnight summer camps permitted; spas, tattoo parlors and other personal services to reopen. (July) 4. All businesses are open and operating with appropriate safety modifications (August 3)	Three (07/01)	Expired 05/31	>50 (06/01)	All travelers, with some exceptions ^{xiii}	Mandatory	4416	132	163	2.6	↑	0.6%	6	65%
Massachusetts	1. Positive test rates 2. Decline in COVID deaths 3. Decline in number of patients with COVID in hospitals 4. Improve healthcare system readiness 5. Sustained contact tracing 6. Sustained testing capacity	0. Stay at Home: Essential businesses and services only 1. Start: Limited Industries resume operations with severe restrictions 2. Cautious: Additional industries resume operations with restrictions and capacity limitations 3. Vigilant: Additional industries resume operations with guidance 4. New Normal: Development of vaccines and/or treatments enable resumption of new normal.	Three (07/06)	Expired 05/18	>25 indoors >100 outdoors (07/06)	All travellers with some exceptions ^{xviii}	Mandatory	126503	8987	2088	2.9	↑	1.7%	35	64%
Michigan	1. The number of new cases, daily trends, and percent positive tests 2. Health system capacity and availability of PPE 3. Testing and contact tracing capacity	1. Uncontrolled Growth: Strict social distancing, travel restrictions, face coverings, hygiene best practices, remote work 2. Persistent Spread: Additional types of recreation allowed 3. Flattening: Increased face coverings; lower-risk businesses reopen with strict workplace safety measures (construction, manufacturing, real	• Two: 2 regions • Three: 5 regions • Four: 1 region	Lifted 06/01	Phase Four: >10 (indoors); >100 (outdoors)	Never applied	Mandatory	109480	6690	5389	3.2	↑	2.4%	11	70%

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				Statewide SAH Order	Mass Gathering Limit	Domestic Travel Restrictions	Masks in Public ^{ix}	Cases ^x		Deaths ^{xi}	Testing Rate/ Rate/ 1,000 ^{xiv}	Trend ^{xv}			Positivity Rate ^{xii}
		estate, outdoor work) 4.Improving: Small gatherings permitted; other retail business open, with capacity limits; offices reopen. 5.Containing: Increased size of gatherings; most businesses open with strict mitigation measures; travel permitted. 6.Post-Pandemic: All businesses open; events and gatherings of all sizes permitted.	(08/27)		Phase Five: >50 (indoors); >250 (outdoors)										
Minnesota	While not gating criteria, MN is monitoring: the rate of new cases, testing capacity, the percent of COVID-19 tests that are positive, and the percent of COVID-19 cases for which the source of infection if unknown	0. Stay Home: SAH; curbside pick-up only; restaurants/bars delivery or take-out only; personal services closed; gyms closed; entertainment venues closed; large gatherings banned; places of worship limited to 10 for funerals or weddings. (March 26-May 17) 1.Gatherings of 10 or less; 50% retail capacity; 25% capacity (or 250) for places of worship. (May 18-June 1) 2.Outdoor dining at limited capacity with reservations and masks; personal services at 25% capacity (appointments and masks required). (June 1) 3. Gatherings of 20 or less; increased retail capacity; indoor dining permitted; increased capacity for personal services and places of worship; phased reopening of gyms with restrictions 4. Gatherings TBD; increased capacity at restaurants/bars, personal services, and gyms; phased opening of entertainment venues	Three (06/10)	Expired 05/18	>10 (indoors) >25 (outdoors) (05/18)	Never applied	Mandatory for employees and patrons in certain businesses	72390	1855	5082	1.5	↓	7.9%	19	64%
Montana	1. Public Health (new cases, ability to monitor and contact trace, syndromic surveillance) 2. Healthcare (ability of hospitals to safely treat all patients, adequate ICU capacity) 3. Supplies (capacity to test everyone with symptoms, adequate PPE)	1. Avoid gatherings of more than 10; minimize non-essential travel; restaurants and bars open with strict physical distancing and capacity limits; gyms and pools remain closed; outdoor recreation permitted with distancing. 2. Gatherings may expand to 50 people; gyms and pools reopen; houses of worship and other places of assembly can open under the group size restrictions. 3. No limit on group size; vulnerable populations can resume public interactions, but should practice physical distancing	Two (06/01)	Expired 04/24	>50 (06/01)	Lifted 06/01	Mandatory in counties with 4+ active COVID-19 cases	6785	98	829	4.2	↑	2.6%	19	65%
New Hampshire	N/A	Not taking a phased approach, and instead has issued universal guidelines to all businesses under the Stay at Home 2.0 plan released by the Governor's economic reopening taskforce.	N/A	Expired 06/15	Never applied	Never applied	Mandatory for employees and patrons in certain businesses	7159	430	123	1.5	↑	0.9%	8	52%

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					Mass Gathering Limit	Domestic Travel Restrictions	Masks in Public ^{ix}	Cases ^x	Deaths ^{xi}		Testing Rate/1,000 ^{xiv}	Rate Trend ^{xv}	Positivity Rate ^{xii}			
New Jersey	14-day trend lines that show sustained drop in cases, hospitalizations, and "other metrics" related to hospitalizations, individuals in ICU, ventilator use, testing and contact tracing capacity, adequate bed capacity, ventilators, personal protective equipment, and workforce.	0. Maximum Restrictions: essential activity, retail, and construction; manufacturing allowed; emergency health care. 1. Restrictions relaxed on low-risk activities with safeguarding. Phased activities may include non-essential construction and retail with curbside pick-up; state/county parks, beaches, elective surgeries. 2. Expanded retail; outdoor dining at restaurants; limited personal care services; reduced capacity of indoor dining, museums, and libraries. 3. Expanded dining; critical in-office work; limited entertainment; expanded personal care; bars with limited capacity; expansion of personal care.	Two (06/15) Indoor dining paused (06/29)	Lifted 06/09	>100 (indoors, 06/22) >250 (outdoors, 06/22)	Quarantine from certain states ^{xvi} (effective 06/24)	Mandatory	190306	15914	1879	2.6	↓	1.1%		14	49%
New York	Regional Criteria: 1. 14 day decline in hospitalization rates 2. Must have at least 30 percent of hospital beds and ICU beds available after elective surgeries resume 3. At least 30 contact tracers for every 100,000 people 4. Decline in deaths over a 14-day period 5. Hospitals must have at least 90 days of PPE stockpiled	1. Construction, manufacturing, wholesale trade, select retail (curbside pick-up) and agriculture, forestry and fishing sectors open. 2. Professional services, finance and insurance, retail, administrative support, real estate, rental, and leasing reopen. 3. Restaurants and food services reopen 4. Arts, entertain, recreation, and education reopen.	Four: 10 regions (as of 07/21)	Expired 05/15	Phase Four: >50	Quarantine from certain states ^{xvi} (effective 06/24)	Mandatory	432458	32610	3900	4.0	↔	0.8%		49	59%
North Dakota	1. Downward trajectory of COVID-like illness in a 14-day period. 2. Downward trajectory of new cases over a 14-day period. 3. Downward trajectory of hospitalized cases over a 14-day period.	<ul style="list-style-type: none"> Red/Critical: Essential services only; shelter in place. Orange/High Risk: take-out/delivery only for restaurants; limited retail reopening with extreme caution; gatherings limited to 10 or fewer Yellow/Moderate Risk: dine-in restaurant service up to 50% capacity; gatherings limited to the lesser of 50% capacity or 250 people; personal services and gyms operating under strict hygiene protocols Green/Low Risk: dine-in restaurant service up to 75% capacity; gatherings limited to the lesser of 75% capacity or 500 people. Blue/New Normal: dine-in restaurant service, retail, personal services, gyms, and pools open at full capacity with heightened hygiene standards; mass gatherings allowed. 	Green (05/29)	Never implemented	>250 (05/15)	All travelers from states classified by the CDC as having widespread COVID-19 outbreak	Suggested	10800	139	1558	2.4	↑	11.9%		36	32%
Ohio	No uptick in outbreaks	Many businesses starting reopening at the end of April under state guidance, however no detailed phased plan has been released.	N/A	Lifted 05/20	>10 (Extended 07/30)	Lifted ^{xvii} (05/19)	Mandatory in certain counties and for employees of certain businesses state-wide	117584	4044	6703	1.9	↔	4.2%		14	47%

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					Mass Gathering Limit	Domestic Travel Restrictions	Masks in Public ^{ix}	Cases ^x	Deaths ^{xi}		Testing Rate/1,000 ^{xiv}	Rate Trend ^{xv}	Positivity Rate ^{xiii}	Contact Tracers / 100,000 ^{xiii}	
Oregon	1. Decline in individuals reporting symptoms (influenza like and COVID) within a 14 day period 2. Decline in documented cases within a 14 day period or decrease in positive cases as a percent of total tests within a 14 day period 3. The ability to treat all patients without crisis care and testing in place for at-risk healthcare workers (plus antibody testing)	0. Statewide Baseline: restaurants open for take-out only; stand alone retail open; malls closed; outdoor recreation activities open; cultural/civic/faith gatherings of up to 25; social gatherings of up to 10; personal care services and gyms closed. 1. First Stage, by County: Restaurants/bars open with distancing; personal services open with pre-appointment health-check, distancing, and masks; gyms open at reduced capacity. 2. Higher Risk Activities: expand gathering size, allow some office work. Guidelines TBD, will be based on data collected in Phase 1. 3. Highest-Risk Activities: Mass gatherings allowed (requires vaccine or reliable treatment)	<ul style="list-style-type: none"> Baseline: 0 counties One: 7 counties Two: 29 counties (as of 08/20) 	Ended 06/16	>10 (indoors – rolled back 07/15) >100 (outdoors)	Never applied	Mandatory (including outdoors when 6ft distance not possible)	25571	433	1701	1.1	↓	5.4%	16	66%
Pennsylvania	Having fewer than 50 new confirmed cases per 100,000 population reported in the previous 14 days	1. Red: Life sustaining businesses only; congregate care and prison restrictions; schools and childcare closed; large gatherings prohibited; restaurants limited to take-out/delivery. 2. Yellow: childcare to reopen; gatherings up to 25 permitted; in-person retail allowed; outdoor dining at restaurants and bars permitted. 3. Green: businesses may open up to 75% capacity; gatherings of more than 250 permitted; restaurants and bars open at 50% capacity.	<ul style="list-style-type: none"> Red: 0 counties Yellow: 0 counties Green: 67 counties (07/03) 	Expired 05/08	>250 (green phase counties, 05/29)	Never applied	Mandatory	130536	7624	4387	1.0	↓	4.7%	5	61%
Texas	Hospitalization and positivity rates are being used to inform reopening.	While the state has not released the details of a phased plan, reopening has been divided into two phases so far: 1. In addition to essential services, all retail stores, restaurants, movie theaters, malls, libraries, and museums are permitted to reopen at 25% capacity; places of worship remain open; outdoor sports of up to four participants can resume; personal services and gyms remain closed. Counties with fewer than 5 confirmed cases can increase to 50% capacity if they meet certain testing and service criteria (May 1 – 18) 2. Restaurants open at 50% capacity; child care centre, personal care services, bars (25% capacity), zoos, camps, and youth sports can reopen; public schools may provide in-person summer school with distancing protocols; businesses in office buildings open at the greater of 10 people or 25%. (May 18 – present) • Bars closed and new restrictions on business effective 06/26	Three (initiated 06/03; new restrictions 06/26)	Expired 04/30	>10 at the discretion of local officials (07/02)	Lifted ^{xviii} (05/21)	Mandatory	592137	11805	34881	1.2	↓	14.1%	13	73%
Vermont	Hospitalizations and growth rate	Rather than broad phases, Vermont is opening incrementally, with regular updates to the Be Smart, Stay Safe order.	N/A	Expired 05/15	>75 indoors >150 outdoors (07/09)	All travelers, with some exceptions ^{xviii}	Mandatory for employees in certain businesses & on public transit	1577	58	44	2.0	↓	0.5%	8	65%
Virginia	1. 14-day downward trend of positive tests. 2. 14-day downward trend of hospitalizations.	1. Some businesses to re-open with strict safety restrictions; social distancing measures continue; teleworking continues; face masks to be worn in public.	Three (as of 07/01)	Expired 06/10	>250 (07/01)	Never applied	Mandatory	116579	2527	6697	1.7	↓	6.4%	18	68%

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					Mass Gathering Limit	Domestic Travel Restrictions	Masks in Public ^{ix}	Cases ^x	Deaths ^{xi}		Testing Rate/1,000 ^{xiv}	Rate Trend ^{xv}	Positivity Rate ^{xiii}	Contact Tracers / 100,000 ^{xiii}	
	3. Adequate hospital beds and intensive care capacity. 4. Increasing and sustainable supply of PPE.	2. Gatherings of up to 50; entertainment venues able to reopen; dine-in service at restaurants at 50% capacity; gyms at 30% capacity; recreational sports permitted; museums, zoos, gardens, and sports/arts venues to reopen with restrictions. (June 5) 3. No ban on social gatherings; capacity limits set at 250; heightened cleaning and disinfection. Bars must remain closed (effective July 1).													
Washington	1. Number and trend of cases, hospitalizations and deaths 2. Disease modeling on rates of spread 3. Mobility trends as identified by traffic mobility data.	1. Some outdoor recreation permitted; no gatherings; limited non-essential travel; curbside retail only. 2. Gatherings of up to 5 permitted; domestic services allowed; in-store retail permitted; hair and nail salons; real estate reopens; restaurants and bars at 50% capacity. 3. Gatherings of up to 50 permitted; non-essential travel resumes; restaurants/bars at 75% capacity; movie theatres at 50% capacity; libraries and museums reopen. 4. Gatherings of more than 50 permitted; nightclubs, concert venues, and large sporting events reopen/resume.	<ul style="list-style-type: none"> One: 5 counties Two: 17 counties Three: 17 counties (as of 08/26)	Expired 05/31	Phase Two: >5 Phase Three: >50	Never applied	Mandatory	72161	1880	3472	0.7	↓	3.3%	28	69%
Wisconsin	1. Downward trajectory of influenza-like symptoms and COVID symptoms within 14-day period 2. Downward trajectory of positive tests within 14-day period 3. Treat patients without crisis care, testing for at-risk healthcare workers with decreasing number of infected workers	1. Gatherings of up to 10 permitted; restaurants reopen; bars closed; retail restrictions removed for essential businesses; partial reopening of non-essential businesses 2. Gatherings of up to 50 permitted; bars reopen; non-essential business reopen; post-secondary institutions may reopen 3. No maximum on gatherings; all businesses and educational institutions reopen. Note: plan rendered unenforceable at state level when the SAHO was overturned May 13 ^{ix} .	N/A	Overtaken 05/13	Overtaken 05/13	Never applied	Suggested	77092	1108	4958	1.5	↓	8.4%	10	49%

ⁱ This tracker focuses on official measures (e.g. Executive Orders), not statements or guidance. It does not cover all measures enacted at the municipal or county level.

ⁱⁱ Border states and/or top 15 states of origin of travellers to Canada.

ⁱⁱⁱ <https://www.nga.org/coronavirus/>; may be supplemented with secondary sources such as media reports and state websites.

^{iv} <https://www.cdc.gov/covid-data-tracker/index.html#cases>

^v <https://www.cdc.gov/covid-data-tracker/index.html#cases>

^{vi} <https://www.covidexitstrategy.org/cdc-gating-criteria/>; Data as per CDC healthcare capacity criteria; data from Indicators Based on Health System – highest ICU occupancy in last 7 days.

^{vii} <https://www.nga.org/coronavirus-reopening-plans/>

^{viii} <https://www.nga.org/coronavirus/#glance>

^{ix} <https://www.cdc.gov/covid-data-tracker/index.html>

^x <https://www.cdc.gov/covid-data-tracker/index.html#cases>

^{xi} <https://coronavirus.jhu.edu/testing/testing-positivity> WHO advised governments that before reopening, rates of positivity in testing should remain at 5% or lower for at least 14 days.

^{xii} <https://testandtrace.com/state-data/>

^{xiii} <https://coronavirus.jhu.edu/testing/tracker/overview>; A seven-day moving average of the number of total tests, adjusted for population. Goal of 1 test per 1000 people per day is derived from White House statements by the White House suggesting 30 tests per 1,000 people per month as a target, adjusted to daily goal.

^{xiv} Testing rate trends fall into one of three categories: (1) trending up: from the previous week to this week, the trend is increasing and greater than 5%; (2) trending down: from the previous week to this week, the trend is decreasing and less than -5%; and (3)

no change: from the previous week to this week, the trend is staying relatively flat (between -5% and 5%).

^{xv} Applies to travelers from New York, New Jersey, Connecticut. As of June 5, travellers from Louisiana are no longer required to quarantine upon arrival in Florida.

^{xvi} As of June 8, travellers from New Hampshire and Vermont are no longer required to quarantine for 14-days. Effective July 1, travellers from all other states will need to quarantine unless they have a recent negative COVID-19 test. Effective July 3, travellers from New York, New Jersey and Connecticut will be exempt from the quarantine requirement.

^{xvii} As of July 1st all travellers arriving from out of state, except those from Rhode Island, Connecticut, Vermont, New Hampshire, Maine, New York or New Jersey must self-quarantine for 14 days.

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^{xi} Applies to any person arriving from a state with a positive test rate higher than 10 per 100,000 residents or a state with a 10% or higher positivity rate over a 7-day rolling average.

^{xii} Applies to any person arriving from a state with a positive test rate higher than 10 per 100,000 residents or a state with a 10% or higher positivity rate over a 7-day rolling average.

^{xiii} Previous Restriction: People stopping in the state were asked to self-quarantine for 14 days unless they were traveling for an essential reason

^{xiv} Previous Restriction: People arriving in Texas by car from Louisiana had to self-quarantine for 14 days, or the duration of their trip, whichever is shorter. People arriving from California, Washington, Louisiana, New York, New Jersey and Connecticut or the cities of Atlanta, Chicago, Detroit, and Miami also had to self-quarantine.

^{xv} As of June 8, quarantine requirements have been lifted for out-of-state travellers from counties across New England with similar caseloads to Vermont.

Annex B: National Targets and Guidelines

Gating Criteria: Federal guidance for implementation at the State level¹:

1. Symptoms: Downward trajectory of influenza-like illnesses (ILI) reported within a 14-day period AND downward trajectory of COVID-like syndromic cases reported within a 14-day period.
2. Cases: Downward trajectory of documented cases within a 14-day period OR downward trajectory of total tests within a 14-day period (flat or increasing volume of tests)
3. Hospitals: Treat all patients without crisis care AND robust testing program in place for at-risk healthcare workers, including emerging antibody testing.

Phased Reopening Plan: Federal guidance – for implementation at the State level²:

1. Vulnerable individuals continue to shelter in place; all individuals should maximize physical distance from others when in public; groups up to 10; minimize non-essential travel; telework encouraged with return to work in phases and closed common areas; schools closed; visits to LTC prohibited; large venues and gyms can operate under strict criteria; some elective surgeries can resume; bars closed.
2. Same as Phase 1, but groups up to 50; non-essential travel permitted; schools can reopen; bars can reopen under strict requirements.
3. Same as Phase 2, but vulnerable individuals can resume limited public interactions; employers can resume unrestricted staffing of worksites; visits to LTC and hospitals can resume; large venues, gyms and bars can operate under less restrictive protocols.

Masks in public: Suggested³

Other Public Health Measures: As per federal guidance for states on phased re-opening⁴

Testing Rate per 1,000 population: > 1

Two-Week Positivity Rate: <5%

Contact Tracers per 100,000 population: The CDC indicates that the number of contact tracers needed will vary by community. Each community will need to examine local caseload and other factors to estimate how many contact tracers will be needed. Additional considerations are available on the CDC website^{5,6}.

¹ <https://www.whitehouse.gov/openingamerica/#criteria>

² <https://www.whitehouse.gov/openingamerica/#criteria>

³ <https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/cloth-face-cover.html>

⁴ <https://www.whitehouse.gov/openingamerica/#criteria>

⁵ <https://www.cdc.gov/coronavirus/2019-ncov/php/contact-tracing/contact-tracing-plan/appendix.html#tracers>

⁶ National Association of County & City Health Officials estimate a baseline need of 15 contact tracers / 100,000 population in regular times, and 30/100,000 for this pandemic. Several states, counties and municipalities have used this metric in their planning.