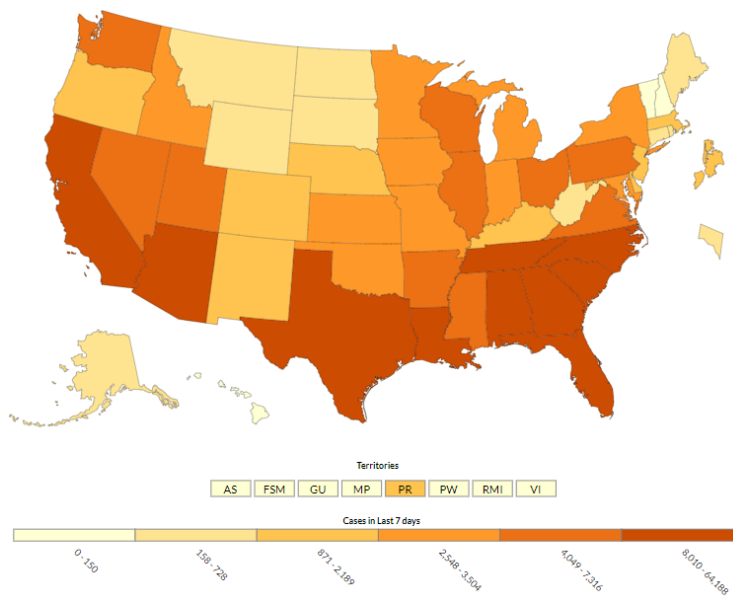


**Key Updates**

**Trends**

- As of July 9, 2020: There have been more than **3M** cases and more than **132K** deaths in the US.
  - The US hit another record on July 9, reporting more than 64,700 infections, a sixth national record in ten days
  - Nine states now have more than 100K cases of COVID-19: Arizona, California, Florida, Georgia, Illinois, Massachusetts, New Jersey, New York and Texas.
  - Five states reported more than 20K cases within the last 7 days: Arizona, California, Florida, Georgia, and Texas. The largest 7-day increase was reported in Florida (70,695 cases). Florida's seven-day moving average of new daily cases stood at 9,989 on July 8.
  - New daily cases were trending down from the previous week in only four states: Minnesota, New Hampshire, Maine, Connecticut.
  - Five reported 7-day moving average positivity rates above 15%: Arizona, Mississippi, Florida, South Carolina, and Texas.
  - In California, close to 8K COVID-19 patients have been hospitalized, a more than 41% increase over the last 14 days.
  - Two states reported ICU occupancy rates above 80% within the last 7 days: Arizona and Rhode Island.

**Table 1: US COVID-19 Cases Reported to the CDC in the Last 7-Days by State/Territory (July 9, 2020)**

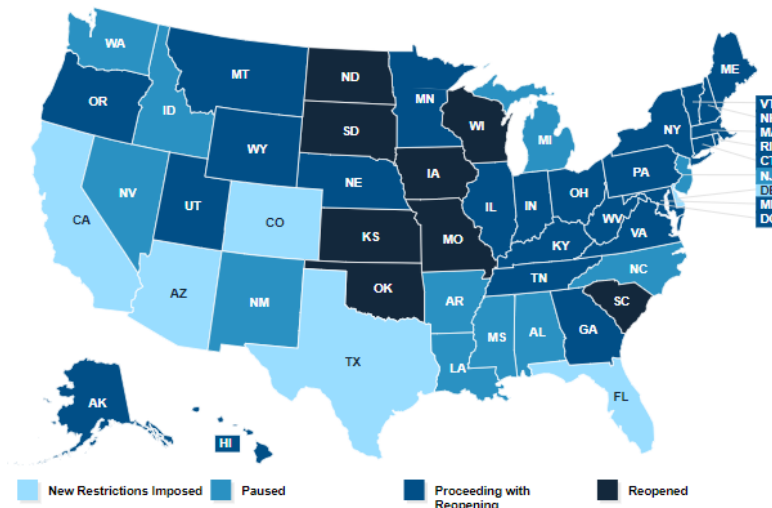


Source: [CDC](#)

**Reopening and Closing**

- In light of negative trends in recent weeks, many states have either paused (11) their reopening plans or introduced new restrictions (6), such as business closures. See Table 2.

**Table 2: Status of Reopening (July 9, 2020)**



Source: [KFF](#)

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## Schools

- **Post-Secondary Institutions:** Colleges and universities around the US continue to discuss how and when to re-open campuses. For example, Harvard University [announced](#) that only up to 40% of its undergraduates will be allowed on campus during the next academic year, including all first-year students for the Fall semester, and all senior students for the Spring semester. Students unable to learn remotely will also be permitted to come back to campus, and all classes will be conducted online.
- **International Students:** US Immigration and Customs Enforcement announced that student visas will not be issued to international students enrolled in schools or programs that are fully online for the fall semester, and that students in such programs will not be permitted to enter the US. International students who are currently in the US and enrolled in such programs must either depart the country or take “other measures,” such as transferring to institution offering in-person instruction in order to remain in lawful status. On Wednesday, Harvard University and the Massachusetts Institute of Technology filed [pleadings](#) in federal court over the directive, seeking a temporary restraining order prohibiting the enforcement of the order. If the order is enforced, it could have a large impact Canadian students is the US. During the 2018-19 academic year, it estimated that 26,000 Canadians were studying at American institutions.
- **K-12 Reopening:** The CDC has clarified that it will not revise its guidelines for reopening, despite criticism from President Trump including a series of tweets threatening to withhold federal funding to schools that refuse to fully reopen in September. Instead, the CDC will provide additional reference documents. Many school districts throughout the US are planning to offer a mix of in-person and remote learning. Mayor Bill de Blasio announced on Wednesday that classroom attendance in schools in New York City would be limited to one to three days a week.

## Testing, Contact Tracing, and Monitoring

- **Delayed Test Results:** Two major US commercial laboratories (Quest Diagnostics and LabCorp) are reporting delays in COVID-19 test results resulting from increased demand. Quest Diagnostics' turnaround time has increased from 2-3 days in early June to 4-6 days; LabCorp's turnaround time has increased from 1-2 days to 2-4 days. These delays can make it difficult to isolate confirmed cases and effectively use contact tracing to limit virus spread.
- **Rapid Result Antigen Test:** On [July 6](#), the FDA granted emergency use authorization (EUA) to COVID-19 antigen test made by Becton, Dickinson, and Company that can yield results in 15 minutes. This test uses a standard nose and throat swab to collect a sample, unlike the Vitality Diagnostics rapid COVID-19 antibody test that received EUA in June and which tests a blood sample. The test can be processed using the company's existing instruments, which are already used in over 25,000 hospitals, urgent care centers and pharmacies across the US. As of July 8, the FDA has authorized 169 tests under EUAs; these include 141 molecular tests, 26 antibody tests, and 2 antigen tests.
- **False Positives:** On July 6, the FDA issued a [letter](#) to clinical laboratory staff and health care providers to alert them of an increased risk of a false positive result with BD SARS-CoV-2 Reagents for the BD Max System test. In one study, the manufacturer found approximately 3% of results were false positive results. The FDA is working with Becton, Dickinson and Company to resolve the issue.
- **Funding and Surge Testing:** On July 10, the US Department of Health and Human Services (HHS), awarded more than \$21M to support health centers' COVID-19 response efforts. The majority of this investment will expand capacity for COVID-19 testing at centers that deliver health care for underserved communities and vulnerable populations, regardless of ability to pay. The HHS is also delivering surge testing in Baton Rouge, LA, Edinburg TX and Jacksonville FL, by sending contractors and arranging laboratory services to provide 5000 diagnostic tests per day in each municipality, for two weeks or longer depending on state requests. People do not have to pay for testing and multiple testing sites are being established.
- **Testing Targets:** According to a New York Times database, the number of daily coronavirus tests conducted in the United States is only 39% of the level considered necessary to mitigate the spread of the virus. An average of 634,000 people per day were tested over the past week, according to data collected by the [Covid Tracking Project](#). This is far below the target of 1.6M daily tests nationally. The target is based on a methodology by researchers at the Harvard Global Health Institute, and is different for each state and varies over time as infection rates change. 12 states are meeting the testing target; 5 states are near the target; and 34 states are far below the target.
- **Contact Tracing:** The CDC released [contact tracing guidance](#) in April but there is no national reporting of contact tracing metrics. Oregon is the only state that has been posting contact tracing details, through its [COVID-19 data dashboard](#). Several other states including New York, Maryland, Georgia and Colorado have announced plans to publicly release contact tracing metrics, such as the percent of close contacts reached within 24 hours or the percent of “unlinked” cases, which suggest unknown community spread. Most states lack systems to collect or share contact tracing data. Some public health experts, including CDC's former head Dr. Tom Frieden, are concerned that without increased transparency, states will not prioritize improved contact tracing, which will be essential to slowing the spread of COVID-19.

## Vaccines, Therapeutic Treatments, and Protective Products

- **Vaccine Trial Volunteer Network:** On [July 8](#), the US Department of Health and Human Services announced the *COVID-19 Prevention Trials Network (COVPTN)*, and a [website](#) was launched to facilitate volunteer registration for participation in clinical trials. The network represents more than 100 clinical trial sites at hospitals and medical clinics in the US and other countries, and was created using infrastructure for testing HIV vaccines and treatments. At least five large vaccine trials are being planned through the network over the coming months, and additional trials for preventative treatments. Seattle-based Fred Hutchinson Cancer Research Center will serve as the COVPTN's operational centre.
- **Novavax Contract:** Operation Warp Speed [awarded](#) a \$1.6B contract to Maryland biotech company Novavax for large-scale Phase 3 clinical trials, expected to begin in the late third quarter of 2020 and with the aim of delivering 100M doses (enough for 50M people) by February 2021.
- **Regeneron Antibody Drug Trials:** Late-stage clinical trials of Regeneron's [REGN-COV2](#), a combination antibody COVID-19 treatment have been initiated and will evaluate the drug's ability to prevent infection and treat patients, with preliminary data expected later this summer. The trials are being jointly run with the National Institute of Allergy and

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Infectious Diseases. Regeneron has been awarded a [\\$450M contract](#) by Operation Warp Speed to support continued manufacturing and distribution so that it would be available in the US at not cost to individuals immediately upon completion of successful clinical trials and FDA EUA. Initial doses may be ready as early as end of summer following clinical trials currently underway.

- **Inhaled Remdesivir Trials:** On [July 8](#), Gilead Sciences, the company that makes the antiviral drug remdesivir, announced that it has initiated clinical testing of its inhaled version of the treatment, earlier than the previous timeline of August.
- **Surface Cleaners:** Based on performance under laboratory testing, on [July 6<sup>th</sup>](#) the US's Environmental Protection Agency (EPA) announced it had approved Lysol Disinfectant Spray and Lysol Disinfectant Max Cover Mist as effective against COVID-19 when used on hard, non-porous surfaces. Both products were found to kill the virus in until 2 minutes. These are the first surface disinfectant products approved by the EPA for use against COVID-19.

## Vulnerable Populations

- **Meat and Poultry Workers:** The CDC has released a new [report](#) on COVID-19 cases in April and May among people working in meat and poultry processing facilities. The data indicates these were about 16,200 cases across 23 states, 87% of which were among racialized individuals.
- **Seniors:** On July 6, the New York State Department of Health issued a [report](#), responding to allegations that a March directive ordering nursing homes to accept COVID-19 patients from hospitals in order to free up hospital beds allowed the virus to quickly spread. Instead, the report suggests that COVID-19 fatalities in nursing homes were related to infected nursing home staff. To date, more than 6,400 residents have died in the nursing homes and long-term care facilities in the state, representing more than one-tenth of the reported deaths in such facilities across the US.
- **Asylum Seekers:** The Trump administration has proposed barring migrants from obtaining asylum in the US if they traveled through or came from a country struggling with COVID-19 or other disease outbreaks. If enacted, the rule would permit asylum officers to classify migrants from countries experiencing an outbreak as a "danger to the security" of the US, denying them protections and leading to deportations.

## Outbreaks &amp; Mortality

- **Prisons:** A [research letter](#) published online for JAMA shows that from March 31-June 6, 2020, there had been over 42,000 cases and 500 deaths among almost 1.3M prisoners in the US. The case rate of 3251/100,000 prisoners was 5.5 times higher than the US population case rate. Crude mortality rate in prison was 39 deaths per 100,000 prisoners, which is higher than the US population rate of 29 deaths per 100,000. However, individuals over 65 years old comprise only 3% of the prison population, versus 16% of the US population, showing that the age-adjusted death rate was 3 times higher than would be expected. Outbreaks affecting thousands of prisoners and staff continue in prisons across multiple states.
- **Seattle Fraternity:** At least 120 students from the University of Washington in Seattle have tested positive for COVID-19 in an outbreak linked to the "Greek Row" fraternity houses. While most fraternities had taken measures to reduce resident capacity by up to 50%, the university found that this was insufficient when not paired with daily preventative measures (physical distancing, masks, hand washing, etc.).
- **Texas Childcare:** Among the surge of new COVID-19 cases in Texas, the state has reported that as of July 3rd, at least 1,335 people (894 staff and 441 children) from 883 childcare facilities have tested positive, up from 210 cases in 177 facilities on June 15<sup>th</sup>.

## Border and International Relations

- **Withdrawal from the World Health Organization:** As announced by President Trump in May, the US formally notified the United Nations that it is withdrawing from the World Health Organization, effective July 6, 2021. As WHO's largest funder, contributing over \$425M per year, there are concerns that this will set back global efforts to address COVID-19 as well as other programs such as efforts to eradicate polio and combat antibiotic-resistant bacteria.
- **Northern Border Caucus Push for Reopening:** On [July 3](#), the Co-Chairs of Congress's Northern Border Caucus initiated a push for the US and Canada to develop guidance that prepares for reopening while the shared border is under its current shutdown. In a [letter](#) to the Acting Secretary for the Homeland Security and Canada's Minister of Public Safety and Emergency Preparedness, the Caucus requested a "comprehensive framework for phased reopening of the border based on objective metrics and accounting for the varied circumstances across border regions," as well as "consideration of any interim measures that may be appropriate to bilaterally ease restrictions on family members and property owners." In response to the letter, a spokesperson for the office of Deputy Prime Minister Chrystia Freeland said that the current measures in place "have worked well" and that "our absolute priority is the health and safety of Canadians... That is why we want to be clear that decisions about Canada's border are made by Canadians, for Canadians."

## Unintended Consequences

- **Lyme Disease:** American medical professions and scientists, including the Lyme Disease Research Group at the University of New Haven, are warning that individuals' eagerness to be outdoors and a singular focus on COVID-19 precautions risks an uptick in Lyme disease this summer. For example, stepping off trails to give space to other hikers could result in increased contact with vegetation where ticks reside.
- **Moving:** According to a [survey](#) conducted in early June by the Pew Research Center, 3% of US adults moved permanently or temporarily due to COVID-19, and 6% had someone move into their household because of it. The results were higher for younger Americans (9% of those 18-29), as well as for racialized respondents (7% of Asian respondents, 6% of Hispanic respondents, and 4% of Black respondents). While respondents moved for a variety of reasons, the largest proportion (28%) did so primarily to reduce their risk of contracting the virus.

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ANNEX A: Measures by State for 22 Border and/or High-Traffic States<sup>1</sup>

State <sup>ii</sup>	Gating Criteria <sup>iii</sup>	Reopening			Public Health Measures <sup>iii</sup>				Cumulative #s			Testing and Tracing			Highest ICU Occupancy in Last 7 Days <sup>vi</sup>
		Details of Phased Plan <sup>iii</sup>	Current Phase	Statewide SAH Order	Mass Gathering Limit	Domestic Travel Restrictions	Masks in Public <sup>iv</sup>	Cases <sup>v</sup>	Deaths <sup>vi</sup>	Cases in Past 7 Days <sup>iv</sup>	Testing Rate/1,000 <sup>iv</sup>	Rate Trend <sup>iv</sup>	Positivity Rate <sup>vii</sup>	Contact Tracers / 100,000 <sup>viii</sup>	
<b>Alaska</b>	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)	Quarantine lifted <sup>viii</sup> (06/05)	Suggested	1,226	17	286	3.7	↑	1.3%	18	68%
<b>California</b>	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 (05/08)	No end date	Statewide (03/19)  Exception: faith-based and cultural <100 permitted (05/25)	Never applied	Mandatory	289,468	6,562	66,551	2.7	↑	7.7%	11	67%
<b>Florida</b>	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 <sup>viii</sup>	Mandatory for employees in certain businesses	220,476	3,953	70,695	2.3	↑	19.1%	7	67%
<b>Idaho</b>	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 period, OR less than 2 healthcare workers reported/day on average over same 14-day period	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, gyms, and close contact to reopen with protocols; bars to develop reopening plans (May 16-29)	Three: 1 county  Four: 43 counties  (06/13)	Expired 04/30	Lifted 06/13	Quarantine lifted (05/15)	Suggested	8,969	98	2,852	1.6	↑	11.9%	14	49%

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State <sup>ii</sup>	Gating Criteria <sup>iii</sup>	Reopening Details of Phased Plan <sup>iiii</sup>	Current Phase	Public Health Measures <sup>v</sup>				Cumulative #s			Testing and Tracing			Highest ICU Occupancy in Last 7 Days <sup>vi</sup>	
				Statewide SAH Order	Mass Gathering Limit	Domestic Travel Restrictions	Masks in Public <sup>x</sup>	Cases <sup>x</sup>	Deaths <sup>xi</sup>	Cases in Past 7 Days <sup>xv</sup>	Testing Rate/ 1,000 <sup>xiv</sup>	Trend <sup>xv</sup>	Positivity Rate <sup>xiii</sup>		Contact Tracers / 100,000 <sup>xiii</sup>
		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)													
<b>Illinois</b>	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	150,554	7,309	6,316	2.3	↔	2.7%	5	52%
<b>Maine</b>	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 travellers, with some exceptions <sup>viii</sup>	Mandatory	3,486	111	192	1.7	↑	1.1%	2	62%
<b>Massachusetts</b>	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 <sup>ix</sup>	Mandatory	110,602	8,243	1,720	1.2	↓	2.5%	41	66%
<b>Michigan</b>	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-	Two: 2 regions  Three: 1 region	Lifted 06/01	Phase Four: >10 (indoors)	Never applied	Mandatory	74,551	6,262	3,823	2.0	↑	2.5%	11	66%

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State <sup>i</sup>	Gating Criteria <sup>iii</sup>	Reopening		Public Health Measures <sup>iii</sup>				Cumulative #s			Testing and Tracing			Highest ICU Occupancy in Last 7 Days <sup>vi</sup>	
		Details of Phased Plan <sup>iii</sup>	Current Phase	Statewide SAH Order	Mass Gathering Limit	Domestic Travel Restrictions	Masks in Public <sup>x</sup>	Cases <sup>x</sup>	Deaths <sup>xi</sup>	Cases in Past 7 Days <sup>xv</sup>	Testing Rate/1,000 <sup>xiv</sup>	Rate Trend <sup>xv</sup>	Positivity Rate <sup>xii</sup>		Contact Tracers / 100,000 <sup>xiii</sup>
		risk businesses reopen with strict workplace safety measures (construction, manufacturing, real 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.	Four: 5 regions  Five: 2 regions  (07/09)		>100 (outdoors)  Phase Five: >500 (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 is 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 in certain businesses	40,136	1,528	3,420	1.9	↓	3.8%	14	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	Suggested	1,466	25	448	1.7	↓	2.7%	15	66%
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	5,952	386	170	1.0	↑	1.6%	9	54%

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State <sup>ii</sup>	Gating Criteria <sup>iii</sup>	Reopening Details of Phased Plan <sup>iiii</sup>	Current Phase	Public Health Measures <sup>v</sup>				Cumulative #s			Testing and Tracing			Highest ICU Occupancy in Last 7 Days <sup>vi</sup>	
				Statewide SAH Order	Mass Gathering Limit	Domestic Travel Restrictions	Masks in Public <sup>x</sup>	Cases <sup>x</sup>	Deaths <sup>xi</sup>	Cases in Past 7 Days <sup>xv</sup>	Testing Rate/ 1,000 <sup>xiv</sup>	Trend <sup>xv</sup>	Positivity Rate <sup>xiii</sup>		Contact Tracers / 100,000 <sup>xiii</sup>
<b>New Jersey</b>	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 <sup>xii</sup> (effective 06/24)	businesses  Mandatory for employees and patrons in certain businesses	174,039	15,423	2,372	2.2	↓	1.6%	28	49%
<b>New York</b>	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.	Three: 1 region (NYC)  Four: 9 regions  (as of 07/09)	Expired 05/15	Phase Three: >25	Quarantine from certain states <sup>xii</sup> (effective 06/24)	Mandatory	400,719	31,968	5,425	3.2	↔	1.1%	49	53%
<b>North Dakota</b>	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.	• 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	3,971	89	395	1.6	↔	4.1%	46	38%
<b>Ohio</b>	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 (03/22)	Lifted <sup>xvii</sup> (05/19)	Mandatory in certain counties and for employees of certain businesses	60,181	2,991	8,392	1.5	↑	5.9%	5	46%

[APG]

Date Updated: Friday July 10, 2020 (am)

American COVID-19 Public Health Response Measures: Week of July 4 - 10, 2020

State <sup>i</sup>	Gating Criteria <sup>ii</sup>	Reopening Details of Phased Plan <sup>iii</sup>	Current Phase	Statewide SAH Order	Public Health Measures <sup>iv</sup>			Cumulative #s			Testing and Tracing			Highest ICU Occupancy in Last 7 Days <sup>v</sup>	
					Mass Gathering Limit	Domestic Travel Restrictions	Masks in Public <sup>vi</sup>	Cases <sup>x</sup>	Deaths <sup>xi</sup>	Cases in Past 7 Days <sup>xiv</sup>	Testing Rate/ 1,000 <sup>xv</sup>	Trend <sup>xv</sup>	Positivity Rate <sup>xii</sup>		Contact Tracers / 100,000 <sup>xiii</sup>
<b>Oregon</b>	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)	One: 4 counties  Two: 32 counties  (as of 07/09)	Ended 06/16	Phase 1: >25  Phase 2: >50 (indoors)  >100 (outdoors)	Never applied	state-wide  Mandatory	10,819	224	2,163	1.1	↔	5.7%	14	64%
<b>Pennsylvania</b>	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.	Red: 0 counties  Yellow: 0 counties  Green: 67 counties  (07/03)	Expired 05/08	>250 (green phase counties, 05/29)	Never applied	Mandatory	92,867	6,848	5,625	1.0	↔	5.5%	3	63%
<b>Texas</b>	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 <sup>viii</sup> (05/21)	Mandatory for residents in counties with 20 or more COVID-19 cases	220,564	2,813	60,578	1.7	↑	15.6%	11	68%

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				Statewide SAH Order	Mass Gathering Limit	Domestic Travel Restrictions	Masks in Public <sup>x</sup>	Cases <sup>x</sup>	Deaths <sup>xi</sup>	Cases in Past 7 Days <sup>xv</sup>	Testing Rate/ 1,000 <sup>xiv</sup>	Trend <sup>xv</sup>	Positivity Rate <sup>xii</sup>		Contact Tracers / 100,000 <sup>xiii</sup>
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 <sup>xvii</sup>	Mandatory for employees in certain businesses	1,256	56	48	1.3	↓	0.8%	8	63%
Virginia	1. 14-day downward trend of positive tests. 2. 14-day downward trend of hospitalizations. 3. Adequate hospital beds and intensive care capacity. 4. Increasing and sustainable supply of PPE.	1. Some businesses to re-open with strict safety restrictions; social distancing measures continue; teleworking continues; face masks to be worn in public. 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).	Three (as of July 1)	Expired 06/10	>250 (07/01)	Never applied	Mandatory	67,988	1,937	5,201	1.3	↔	5.3%	15	68%
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.	One: 5 counties  Two: 17 counties  Three: 17 counties  (as of 07/02)	Expired 05/31	Phase Two: >5  Phase Three: >50	Never applied	Mandatory	37,941	1,394	5,117	1.5	↔	5.9%	9	66 <sup>^</sup>
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 <sup>h</sup> .	N/A	Overtuned 05/13	Overtuned 05/13	Never applied	Suggested	36,410	814	4,748	1.6	↓	6.6%	7	47%

<sup>i</sup> 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.

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

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

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

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

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- <sup>v</sup> <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.
- <sup>vi</sup> <https://www.nga.org/coronavirus-reopening-plans/>
- <sup>vii</sup> <https://www.nga.org/coronavirus-reopening-plans/>
- <sup>viii</sup> <https://www.nga.org/coronavirus/#glance>
- <sup>ix</sup> <https://www.cdc.gov/covid-data-tracker/index.html>
- <sup>x</sup> <https://www.cdc.gov/covid-data-tracker/index.html#cases>
- <sup>xi</sup> <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.
- <sup>xii</sup> <https://testandtrace.com/state-data/>
- <sup>xiii</sup> <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.
- <sup>xiv</sup> 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%).
- <sup>xv</sup> Lifted June 5, replaced with requirement for out-of-state travellers arriving by plane to be tested within 72 hours of boarding a plane to Alaska. Travellers with inadequate paperwork will be tested upon arrival at airport terminals, or may opt instead for a 14-day quarantine.
- <sup>xvi</sup> 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.
- <sup>xvii</sup> 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.
- <sup>xviii</sup> As of July 1<sup>st</sup> 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.
- <sup>xix</sup> 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.
- <sup>xx</sup> 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.
- <sup>xxi</sup> Previous Restriction: People stopping in the state were asked to self-quarantine for 14 days unless they were traveling for an essential reason
- <sup>xxii</sup> 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.
- <sup>xxiii</sup> As of June 8, quarantine requirements have been lifted for out-of-state travellers from counties across New England with similar caseloads to Vermont.

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Annex B: National Targets and Guidelines

**Gating Criteria:** Federal guidance for implementation at the State level<sup>1</sup>:

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 level<sup>2</sup>:

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:** Suggested<sup>3</sup>

**Other Public Health Measures:** As per federal guidance for states on phased re-opening<sup>4</sup>

**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<sup>5,6</sup>.

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

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

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

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

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

<sup>6</sup> 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.