



CORNERSTONE

— AN EMPLOYEE-OWNED COMPANY —

COVID-19 Compilation

October 26, 2020

Iowa

At 10 a.m. Monday, the state was reporting 1,636 COVID-19-related deaths, an increase of two deaths [since the state's tally at 10 a.m. Sunday](#), according to the state's [Coronavirus.iowa.gov](#) website. The state was reporting at 10 a.m. Monday that there are 116,452 confirmed cases of coronavirus, an increase of 677 [since 10 a.m. Sunday](#). According to the state's website, there were 149 confirmed cases Sunday and have been two additional cases Monday, as of 10 a.m. Of the people who have tested positive, 87,984 have recovered, according to the state. The total number of people tested is 939,561. On Monday, the state was reporting 561 hospitalizations, up from 541 on Sunday. In the past 24 hours, 73 patients have been admitted. Also, there are 129 patients in the ICU, up from 119 on Sunday.

The state has been changing how it reports testing data, which has caused spikes in the rate of positive data. Before the changes, the state was consistently reporting a positivity rate, that is, the percentage of tests that were positive, below 10%. Iowa also [is now counting the results of antigen tests](#), a relatively rapid type of coronavirus tests, that will increase the reported rates of infection in some counties. On Monday, the state was reporting 12.4% positive since the pandemic started. Of the tests the state has reported since 10 a.m. Monday, 24.6% were positive, according to a Des Moines Register analysis. Iowa's 14-day average was 10.7% positive, according to the state. These were the Iowa counties that had 14-day averages above 15%:

- Harrison (23.0%);
- Delaware (22.8%);
- Osceola (22.4%);
- Cass (21.5%);
- Plymouth (20.7%);
- O'Brien (20.1%);
- Sioux (19.8%);
- Winnebago (19.5%);
- Jackson (19.0%);
- Carroll (18.6%);
- Monroe (17.7%);
- Lyon (16.9%);

Adams (16.4%);
Woodbury (15.6%);
Dubuque (15.5%);
Humboldt (15.5%);
Des Moines (15.0).

Washington, D.C.

- The FDA [consolidated](#) existing resources for stakeholders to easily access information about drug and biologics development and manufacturing, including for products to diagnose, cure, mitigate, treat or prevent COVID-19 and for other critically needed products to treat symptoms of COVID-19 or to provide supportive care to those with COVID-19. Manufacturers, applicants and sponsors, including those working under U.S. government contracts, can use these resources to find information on the applicable laws and regulations that govern drug development and manufacturing to protect the public health, including during the COVID-19 outbreak.
- The FDA issued an updated [FDA COVID-19 Response At-A-Glance Summary](#) which provides a quick look at facts, figures and highlights of the agency's response efforts.
- The FDA updated the [Antigen Template for Test Developers](#). This template provides the FDA's current recommendations concerning data and information that should be submitted to the FDA in support of an EUA request for a SARS-CoV-2 antigen test. Today's update adds recommendations regarding studies to support claims for screening asymptomatic individuals and multiplexed antigen tests.
- As of today, 284 tests are authorized by FDA under EUAs; these include 221 molecular tests, 56 antibody tests, and 7 antigen tests.
- [Here](#) is the most recent COVIDView from CDC, a weekly summary and interpretation of key indicators that have been adapted to track the COVID-19 pandemic in the U.S.
- And [here](#) is the most recent COVID-19 Science Update from the CDC.
- The CDC has published and updated a significant number of COVID-19 materials and resources on their [dashboard](#). To point to just a few:
 - [Pregnancy, Breastfeeding, and Caring for Newborns](#)
 - [Flowchart for management of HCWs with exposure to a person with COVID-19](#)
 - [Toolkit for People 15 to 21](#)
- On Saturday, Senate HELP Chairman Lamar Alexander (R-TN) made a [statement](#) urging New York Gov. Andrew Cuomo (D) and California Gov. Gavin Newsom (D) to "stop second guessing" analysis by scientists on the effectiveness of COVID-19 vaccines after the governors announced the creation of their own independent review boards. The statement comes after Newsom announced last week that California is planning to review federally approved coronavirus vaccines independently before distributing them to residents.
- Two of Vice President Pence's senior aides, Marc Short and Marty Obst, have tested positive for COVID-19. VP Pence said he does not plan to suspend campaign engagements.

Updates from the States

- Out of the cases under investigation detected by U.S. surveillance, there are **8,617,022 total cases** and **224,601 deaths**. *The CDC data closes out the day before reporting.*

- The U.S. hit a record number of daily new COVID-19 cases on Friday, reporting nearly 84,000. More than 41,000 people are hospitalized with COVID-19 across the country, a 40 percent rise in the past month.
- Some hospitals across the U.S. are in a state of duress. Medical centers in Kansas City, Mo., have turned away ambulances recently because they had no room for more patients. Outside Milwaukee, a new emergency field hospital set up on the Wisconsin State Fairgrounds admitted its first virus patient this week. And a hospital in Idaho reached 99 percent capacity, warning that it may have to transfer COVID-19 patients to hospitals in Seattle, Wa. or Portland, Ore.
- In Utah, the state hospital association warned that if current trends hold, it will soon have to ask the governor to invoke “crisis standards of care” — a triage system that, for example, favors younger patients. Gov. Gary Herbert (R) plans to open a field hospital for overflow patients if hospitals in Salt Lake City become overrun.
- States with low-density populations, such as Montana, Wyoming, Idaho, North Dakota and South Dakota, now report some of the nation’s highest per capita caseloads. Even Alaska is recording unprecedented increases, including in rural villages.
- As Midwestern states face a staggering surge in cases, Chicago Mayor Lori Lightfoot called Monday for a unified, regional approach to addressing the pandemic.
- Indiana Gov. Eric Holcomb (R) emphasized the importance of wearing face masks on Sunday after the state broke several daily case count records last week.
- In the face of a surge in COVID-19 cases in the El Paso metropolitan area, local officials are taking drastic action, imposing a two-week stay-at-home order and a 10 PM to 5 AM curfew that took effect Sunday night. The number of people hospitalized with COVID-19 in the city has more than tripled over the past three weeks.
- Newark, New Jersey’s largest city, announced an 8 PM daily closing time for all nonessential businesses citywide, beginning Tuesday.
- Just over a quarter of New York City’s public school students have attended in-person classes since the city’s school system reopened last month, Mayor Bill de Blasio announced on Monday. More than 500,000 of the 1.1 million children in the system, the nation’s largest, elected to start the year last month with online classes only.
- Colorado Gov. Jared Polis (D) announced that the Colorado Department of Public Health and Environment has launched a statewide COVID-19 exposure notification system, in partnership with Google and Apple. Coloradans received a notice on their Android and Apple phones with instructions about how to opt-in.
- California’s San Francisco and Alameda counties have severed ties with COVID-19 testing sites established by Verily, Google’s health-focused sister company, amid concerns about patients’ data privacy and complaints that funding intended to boost testing in low-income Black and Latino neighborhoods instead was benefiting higher-income residents in other communities.
- Montana Gov. Steve Bullock (D) announced the public can now notify health officials of violations of COVID-19 directives by using the Consumer Complaint Form used to report foodborne illnesses and other public health and safety issues.
- Oklahoma Gov. Kevin Stitt (R) signed an EO extending the state of emergency due to COVID-19 that has been in place since Mar. 15.
- New Jersey Gov. Phil Murphy (D) signed an EO extending the Public Health Emergency. Gov. Murphy said at a news conference on Monday afternoon that the state was ramping up testing and contact tracing in Newark, and helping the city enforce public health regulations.
- Oregon Gov. Kate Brown (D) announced that Multnomah County has been added to the County Watch List.
- Useful state data:

- Use Johns Hopkins University's [COVID-19 U.S. map](#) as a resource for media, policymakers, and communities to view a collection of critical public health data in one online destination and better understand and track the COVID-19 pandemic in populations both large and small across the country.
- NASHP has developed a [COVID-19 State Action Center](#) which serves as a state-level policy dashboard. [Governing](#) is also keeping a running tally of coronavirus news and impacts at the intersection of the health and economic crises in the states and localities.
- This [site](#) from the Kaiser Family Foundation provides state-level information on cases/deaths, social distancing measures, health policy actions, and more.
- This [series of maps](#) shows how states are responding to COVID-19, and this [tracker](#), created and maintained by MultiState Associates, has an up-to-date list of executive orders and various travel restrictions.

Military/Defense

- On Saturday, Texas Gov. Greg Abbott (R) requested to use a medical center at Fort Bliss for non-COVID-19 patients as cases surge in the El Paso area.
- HHS stated that the military will not be administering COVID-19 vaccines once one is available, and that its role will instead be logistics-focused.
- Starting next month, passengers flying out of Seattle-Tacoma and Baltimore-Washington airports on military-contracted commercial flights will be randomly tested for COVID-19.
- The DoD's Defense Health Agency is tapping the commercial sector for technologies that can automatically perform contact tracing, holding an industry pitch day on Nov. 10.
- According to Pentagon statistics and analysis by the Center for Strategic and International Studies, COVID-19 cases in the military doubled last week over the prior week, and four more deaths have occurred.
- The Montana National Guard has been activated to contain a COVID-19 outbreak at a state prison.

International Affairs

- [Here](#) is the most recent (10/20) edition of the WHO's Weekly Epidemiological Update and [here](#) is the most recent edition of the WHO's Weekly Operational Update.
- The WHO chief warned against "vaccine nationalism," calling for global solidarity in the rollout of any future coronavirus vaccine.
- COVID-19 cases are rising at alarming rates in nearly every European country. Officials across Europe are ringing the alarm about demand for hospital beds as the surge in cases leads to new hospitalizations.
- Officials said Belgium's maximum capacity of intensive care unit beds may be reached in just two weeks. Some Swiss hospitals have reported that they are running out of beds. In the Czech capital, Prague, a new military hospital is being installed with 500 beds.
- Spain and Italy both extended restrictions this weekend to avoid second lockdowns, with Spain entering a new state of emergency and Italy again tightening limits on bars, restaurants, and gyms.
- The Czech government has ordered a 9 PM curfew and will limit retail sales on Sundays, beginning Wednesday, as part of tighter measures adopted to stem a surge in COVID-19 infections.

- Britain has announced wider coronavirus measures which will increase the number of people under England's highest category of restrictions to nearly 8 million. People from different households are no longer allowed to socialize outdoors, and pubs and bars that do not serve food must remain closed.
- Wales has shut all non-essential retailers, pubs and restaurants in a 17-day lockdown which began on Friday.
- Slovakia may be able to avoid harsher COVID-19 measures because of plans for nationwide testing scheduled to start this weekend, Prime Minister Igor Matovič said.
- Norway will impose tougher measures to following a recent rise in the number of infections, including stricter rules on private gatherings.
- Lockdown restrictions have been extended in Tehran and across Iran, where two-thirds of provinces are now on a coronavirus red alert. Hospitals in many Iranian provinces are running out of capacity to handle COVID-19 cases, health authorities say.
- A partial lockdown on Kuala Lumpur and the surrounding state of Selangor has been extended for a further two weeks as Malaysia recorded its biggest increase in coronavirus cases since the start of the pandemic.
- All 4.7 million residents of a city in China's northwest Xinjiang region are being tested for COVID-19 after a single asymptomatic case was detected on Saturday. Testing of the entire city is expected to be completed by Tuesday. Meanwhile, lockdown measures have been imposed and all schools in the region are closed until Friday.
- Mexico's true death toll from the coronavirus probably includes tens of thousands of fatalities not in the official count, authorities said Sunday.
- British Health Secretary Matt Hancock said Monday that the government was gearing up to roll out a vaccine in early 2021, amid reports that an experimental candidate developed by the University of Oxford and AstraZeneca triggered a promising immune response in elderly people.
- On Sunday, about 2,000 protesters gathered in Berlin to demonstrate against restrictions imposed by the government to keep infections at bay. German Chancellor Angela Merkel will meet with her governors at the end of the week to assess whether Germany will impose new rules.
- Italians have converged on squares across the country to protest COVID-19 measures that include the 6 PM closure of bars and restaurants and the complete closure of gyms, swimming pools, and movie theaters.
- Melbourne, Australia, will end a strict lockdown of more than three months after the city recorded no new coronavirus cases for the first time since June. Starting Wednesday, restaurants, cafes and bars will be able to reopen, with some social-distancing restrictions and all retail locations will be able to reopen.
- Pope Francis will have to forgo meeting Catholics at the annual Advent and Christmas masses in the Vatican due to the coronavirus pandemic.
- Global Cases: 42,966,344 Total Deaths: 1,152,604

Lifestyle, Science, and Economy

- MMWR published the following two studies: [the first](#) examined safe COVID-19 practices at polling locations and determined that enhanced attention to reducing congregation, correct mask use, and enabling safe voting options are critical to minimize risks for voters and poll workers. [The second](#) analyzed COVID-19 hospitalization data for U.S. health care personnel (HCP) and found that HCP can have severe COVID-19-associated illness, highlighting the need for continued infection prevention and control in health care settings.

- The drug maker Eli Lilly said that its antibody treatment was ineffective on patients hospitalized with advanced Covid-19 and that a government-sponsored trial would not administer the drug to new participants.
- AstraZeneca announced that their COVID-19 vaccine being developed with the University of Oxford produces a similar immune response in both older and younger adults, and adverse responses were lower among the elderly. The preliminary findings are particularly exciting as older individuals are more at-risk of dying from COVID-19.
- The Rockefeller Foundation announced on Monday that it will allocate \$1 billion over the next three years to address the pandemic and its aftermath.
- A program of universal face shields for healthcare personnel (HCP) at a Texas hospital was tied to fewer COVID-19 infections and fewer hospital-associated infections (HAI). In the pre-intervention period, from April 17-Jul, 5, HCP infection rate increased from 0-12.9 percent, but it declined to 2.3 percent during the intervention period, July 6-July 26.
- Israel will begin its first clinical trials of a COVID-19 vaccine next month.
- A new study by economists at the University of Kansas has found that counties in the state where residents are obliged to wear masks in public [have seen about half](#) as many new coronavirus infections as counties that do not have a mask mandate in force.
- As pharmaceutical companies conduct phase 3 vaccine trials, air cargo transporters are cautious about the logistics involved in the mass distribution of a COVID-19 vaccine. A recent [survey](#) found that less than 30 percent of air cargo companies felt prepared for future vaccine distribution efforts.
- Do you have questions about vaccines? Try [this article](#).
- The WHO keeps a running list of COVID-19 vaccine candidates, which you can view [here](#). STAT News also has a resource [tracking COVID-19 drugs and vaccines](#). The New York Times has a very helpful vaccine tracker as well, which you can view [here](#).
- The Johns Hopkins Center for Health Security has an extensive [list](#) of commercial and lab-developed tests.
- Continue to look at the NIH Office of Portfolio Analysis's (OPA) expert-curated [portfolio of COVID-19 publications and preprints](#). The portfolio includes peer-reviewed articles from PubMed and preprints from medRxiv, bioRxiv, ChemRxiv, and arXiv. It is updated daily with the latest available data and enables users to explore and analyze the rapidly growing set of advances in COVID-19 research.

Helpful Articles/Media

- [Reimagining America's Infectious-Disease Defense](#)
- [Researchers Find Doubts About COVID-19 Vaccine Among People Of Color](#)
- [Understanding COVID-19 vaccine efficacy](#)
- [Herd Immunity and Implications for SARS-CoV-2 Control](#)
- [Update Alert 5: Epidemiology of and Risk Factors for Coronavirus Infection in Health Care Workers](#)
- [What's Coming This Winter? Here's How Many More Could Die In The Pandemic](#)
- [Excess Deaths and the Great Pandemic of 2020](#)
- [Found: genes that sway the course of the coronavirus](#)
- [COVID-19 Contact Tracing Workforce Barely 'Inching Up' As Cases Surge](#)
- [Cardiac Arrhythmias in Patients with COVID-19: A Systematic review and Meta-analysis](#)
- There are multiple new releases in CDC's MMWR:

- [Characteristics Associated with Adults Remembering to Wash Hands in Multiple Situations Before and During the COVID-19 Pandemic — United States, October 2019 and June 2020](#)
- [Trends in COVID-19 Incidence After Implementation of Mitigation Measures — Arizona, January 22–August 7, 2020](#)
- [Adolescent with COVID-19 as the Source of an Outbreak at a 3-Week Family Gathering — Four States, June–July 2020](#)
- [Case Series of Multisystem Inflammatory Syndrome in Adults Associated with SARS-CoV-2 Infection — United Kingdom and United States, March–August 2020](#)
- [When Should Asymptomatic Persons Be Tested for COVID-19?](#)
- [Why Covid-19 Isn't Just A Bad Version Of The Flu](#)
- [Saying human trials aren't enough, researchers call for comparison of COVID-19 vaccines in monkeys](#)
- [Why Covid-19's Impact on Health Is a Long-Term Worry](#)
- [Long-term Health Consequences of COVID-19](#)
- [The pandemic poses risks for older doctors. Some are retiring early in response.](#)
- Dr. Anthony Fauci spoke about "COVID-19: Public Health and Scientific Challenges" at the virtual 2020 American Academy of Pediatrics (AAP) National Conference & Exhibition- read about it [here](#).
- [Why people with diabetes are being hit so hard by Covid-19](#)
- [Delaying Pregnancy during a Public Health Crisis — Examining Public Health Recommendations for Covid-19 and Beyond](#)
- [We Need One Million More Volunteers for the COVID-19 Vaccine Trials](#)
- [How will COVID-19 change global development? 5 experts weigh in](#)
- Read the CDC's September 25 Science Update [here](#). As a reminder, the Science Update series provides brief summaries of new COVID-19-related studies on many topics, including epidemiology, clinical treatment and management, laboratory science, and modeling.
- [Nearly Two-Thirds Of U.S. Households Struck By COVID-19 Face Financial Trouble](#)
- [Convalescent Plasma for the Treatment of COVID-19: Perspectives of the National Institutes of Health COVID-19 Treatment Guidelines Panel](#)
- [How the Pandemic Transformed This Songbird's Call](#)
- [It's Time to Put Children and Young People First During the Global COVID-19 Pandemic](#)
- [COVID-19 data on Native Americans is 'a national disgrace.' This scientist is fighting to be counted](#)
- [Reimagining Nursing Homes in the Wake of COVID-19](#)
- [Advances In ICU Care Are Saving More Patients Who Have COVID-19](#)
- [Structural Racism, Social Risk Factors, and Covid-19 — A Dangerous Convergence for Black Americans](#)
- [Transmission of SARS-CoV-2: A Review of Viral, Host, and Environmental Factors](#)
- [Covid-19: Do many people have pre-existing immunity?](#)
- [Disinfection dangers: How to avoid viruses without exposing yourself to toxics](#)
- [The AstraZeneca/Oxford University Phase 3 COVID-19 Vaccine Trial – Why Was It Paused?](#)
- [Assessing a novel, lab-free, point-of-care test for SARS-CoV-2 \(CovidNudge\): a diagnostic accuracy study](#)
- [Urban Hospitals of Last Resort Cling to Life in Time of COVID](#)
- [Some Urban Hospitals Face Closure Or Cutbacks As The Pandemic Adds To Fiscal Woes](#)
- [As COVID-19 Vaccine Trials Move At Warp Speed, Recruiting Black Volunteers Takes Time](#)

- [How a new way of parsing COVID-19 data began to show the breadth of health gaps between Blacks and whites](#)
- [Emergence of Kawasaki disease related to SARS-CoV-2 infection in an epicentre of the French COVID-19 epidemic: a time-series analysis](#)
- [Potential COVID-19 drug azithromycin may increase risk for cardiac events](#)
- [SARS-CoV-2 Viral Load Predicts Mortality in Patients with and Without Cancer Who Are Hospitalized with COVID-19](#)
- [Emory University Epidemiologist On The Future Of COVID-19](#)
- [Trump officials rush to introduce untested vaccine tracking system](#)
- [Prolonged low-dose methylprednisolone in patients with severe COVID-19 pneumonia](#)
- [Public trust in CDC, Fauci, and other top health officials is evaporating, poll finds](#)
- [The Great Vaccine Race: Inside the Unprecedented Scramble to Immunize the World Against COVID-19](#)
- [Update Alert: Epidemiology of and Risk Factors for Coronavirus Infection in Health Care Workers](#)
- [First COVID-19 Global Forecast: IHME Projects Three-Quarters of a Million Lives Could be Saved by January 1](#)
- [COVID-19 sparks 12-fold increase in remote delivery of mental health care across the US](#)
- [Rapid isothermal amplification and portable detection system for SARS-CoV-2](#)
- [Pandemic Vaccine Program Distribution, Tracking, and Monitoring](#)
- [Viewpoint of a WHO Advisory Group Tasked to Consider Establishing a Closely-Monitored Challenge Model of COVID-19 in Healthy Volunteers](#)
- [CDC director attempts to clarify controversial Covid-19 testing guidelines](#)
- [Internet Searches for Acute Anxiety During the Early Stages of the COVID-19 Pandemic](#)
- [How COVID-19 Could Aggravate the Homelessness Crisis?](#)
- [From Resolve to Save Lives- Promoting mask-wearing during the COVID-19 pandemic: A POLICYMAKER'S GUIDE](#)
- [Duration of SARS-CoV-2 Infectivity: When is it Safe to Discontinue Isolation?](#)
- [Risk for Severe COVID-19 Illness Among Teachers and Adults Living With School-Aged Children](#)
- [Pediatric SARS-CoV-2: Clinical Presentation, Infectivity, and Immune Responses](#)
- [Dust can spread influenza among guinea pigs, raising coronavirus questions](#)
- [Long-Haulers Are Redefining COVID-19](#)
- [Seven months later, what we know about Covid-19 — and the pressing questions that remain](#)
- [For health care 'heroes,' death toll keeps rising](#)
- ['We're losing an entire generation of scientists.' COVID-19's economic toll hits Latin America hard](#)
- [Viable SARS-CoV-2 in the air of a hospital room with COVID-19 patients](#)
- [Antibody therapies could be a bridge to a coronavirus vaccine — but will the world benefit?](#)
- [Companies test antibody drugs to treat, prevent COVID-19](#)
- [Treatment of COVID-19 Patients with Convalescent Plasma Reveals a Signal of Significantly Decreased Mortality](#)
- [Winter is coming: Why America's window of opportunity to beat back Covid-19 is closing](#)
- [Clinical Course and Molecular Viral Shedding Among Asymptomatic and Symptomatic Patients With SARS-CoV-2 Infection in a Community Treatment Center in the Republic of Korea](#)
- [Operational Considerations for Maintaining Essential Services for and Providing Maternal, Newborn, and Child Healthcare in Low-Resource Countries](#)
- [Symptom Duration and Risk Factors for Delayed Return to Usual Health Among Outpatients with COVID-19 in a Multistate Health Care Systems Network — United States, March–June 2020](#)

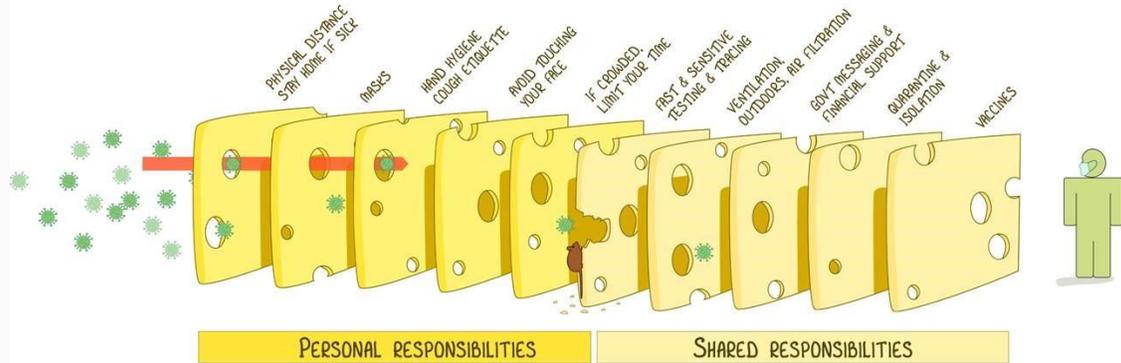
- *MMWR* Weekly COVID-19 Briefing is a weekly podcast to update readers on the latest scientific information from CDC’s COVID-19 response. In each episode, *MMWR*’s Editor-in-Chief, Dr. Charlotte Kent provides an overview of the latest scientific information published in *MMWR*. New episodes are posted every Monday. Listen to episodes [here](#).
- [Infographic: Early Cases of MIS-C: Multi-System Inflammatory Syndrome in U.S. Children](#)
- [Safe Pregnancy As COVID-19 Surges: What’s Best For Mom And Baby?](#)
- Listen to the Kaiser Health News podcast ‘[What The Health?’: ‘Open The Schools, Close The Bars’](#)
- [Update: COVID-19 Among Workers in Meat and Poultry Processing Facilities — United States, April–May 2020](#)
- [The Fullest Look Yet at the Racial Inequity of Coronavirus](#)
- Principal Deputy Director of the CDC, Dr. Anne Schuchat, participated in an interview with the Editor in Chief of JAMA. You can view it [here](#).
- [Covid-19 vaccine research must involve Black and Latinx participants. Here are 4 ways to make that happen](#)
- [Vaccine Access and Hesitancy: The Public Health Importance of Vaccines](#)
- Johns Hopkins [data capture](#).
- Other tracking data [here](#).

Common Acronyms

Centers for Disease Control and Prevention (CDC), World Health Organization (WHO), National Institutes of Health (NIH), Personal Protective Equipment (PPE), Department of Health and Human Services (HHS), Department of Defense (DoD), Department of Homeland Security (DHS), U.S. Department of Agriculture (USDA), Central Command (CENTCOM), Department of Housing and Urban Development (HUD), Centers for Medicare and Medicaid Services (CMS), Transportation Security Administration (TSA), Department of Veterans Affairs (VA), Assistant Secretary for Preparedness and Response (ASPR), Biomedical Advanced Research and Development Authority (BARDA), U.S. Trade Representative (USTR), Childrens Health Insurance Program (CHIP), Supplemental Nutrition Assistance Program (SNAP), Emergency Use Authorization (EUA), Executive Order (EO), Morbidity and Mortality Weekly Report (MMWR), New England Journal of Medicine (NEJM)

THE SWISS CHEESE RESPIRATORY VIRUS PANDEMIC DEFENCE

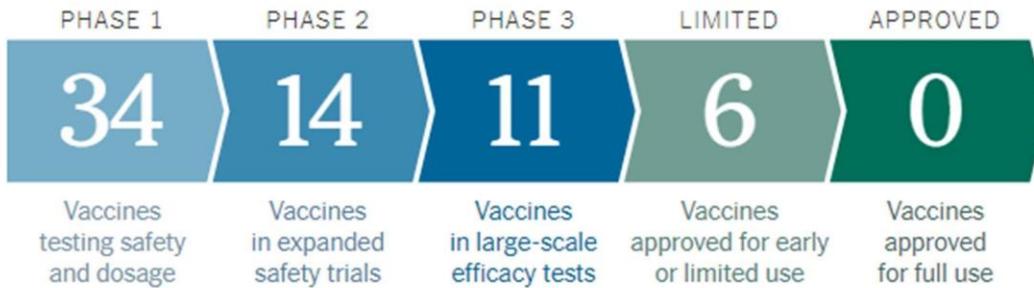
RECOGNISING THAT NO SINGLE INTERVENTION IS PERFECT AT PREVENTING SPREAD



EACH INTERVENTION (LAYER) HAS IMPERFECTIONS (HOLES).
MULTIPLE LAYERS IMPROVE SUCCESS.

IAN D. MACKAY
VIRUS.DOWNUNDER.COM
WITH THANKS TO JODY LAWRENCE, KATHERINE ARDEN & THE UNI OF OZ
BASED ON THE SWISS CHEESE MODEL OF ACCIDENT CAUSATION, BY JAMES T REASON, 1990
VERSION 3.0
UPDATE: 24OCT2020

As the caption explains, this model offers a visual representation of the importance of multiple interventions. There is no one perfect intervention at this time, which is why layering multiple efforts is most effective.



From NYT's vaccine tracker. 10.26.20

DOD COVID-19 Cumulative Totals

	Cases	Hospitalized	Recovered	Deaths
Military	54,681	736	36,868	8
Civilian	12,606	541	7,993	64
Dependent	7,723	145	5,394	8
Contractor	5,090	219	3,412	24
Total	80,100	1,641	53,667	104

As of 0600, Oct. 26, 2020

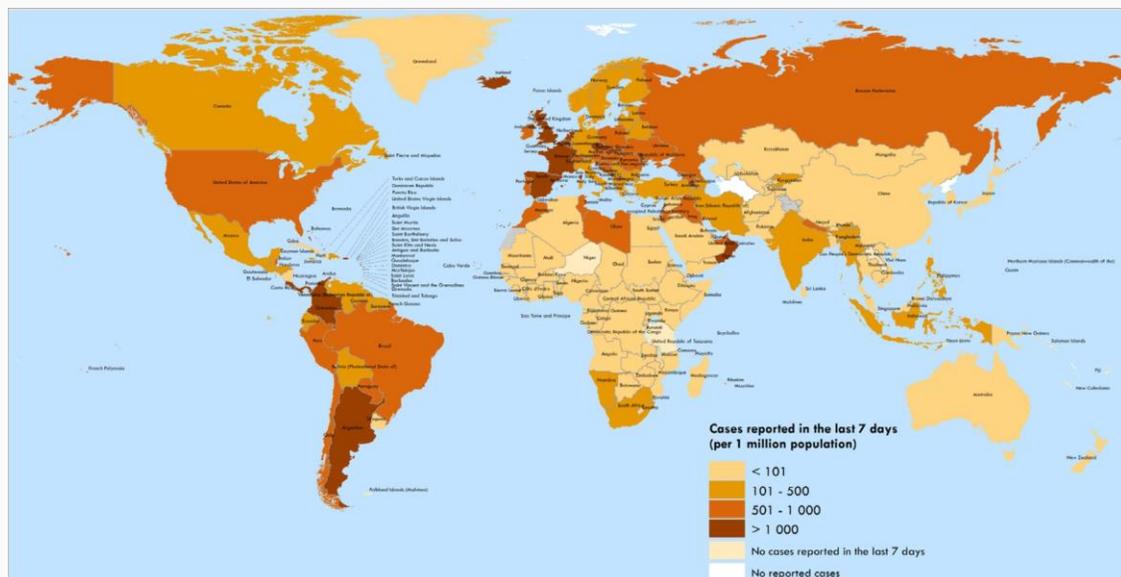
					
Army	Marine Corps	Navy	Air Force	National Guard	DOD Agencies
20,509	6,754	12,006	8,656	6,362	394

As of 0600, Oct. 26, 2020

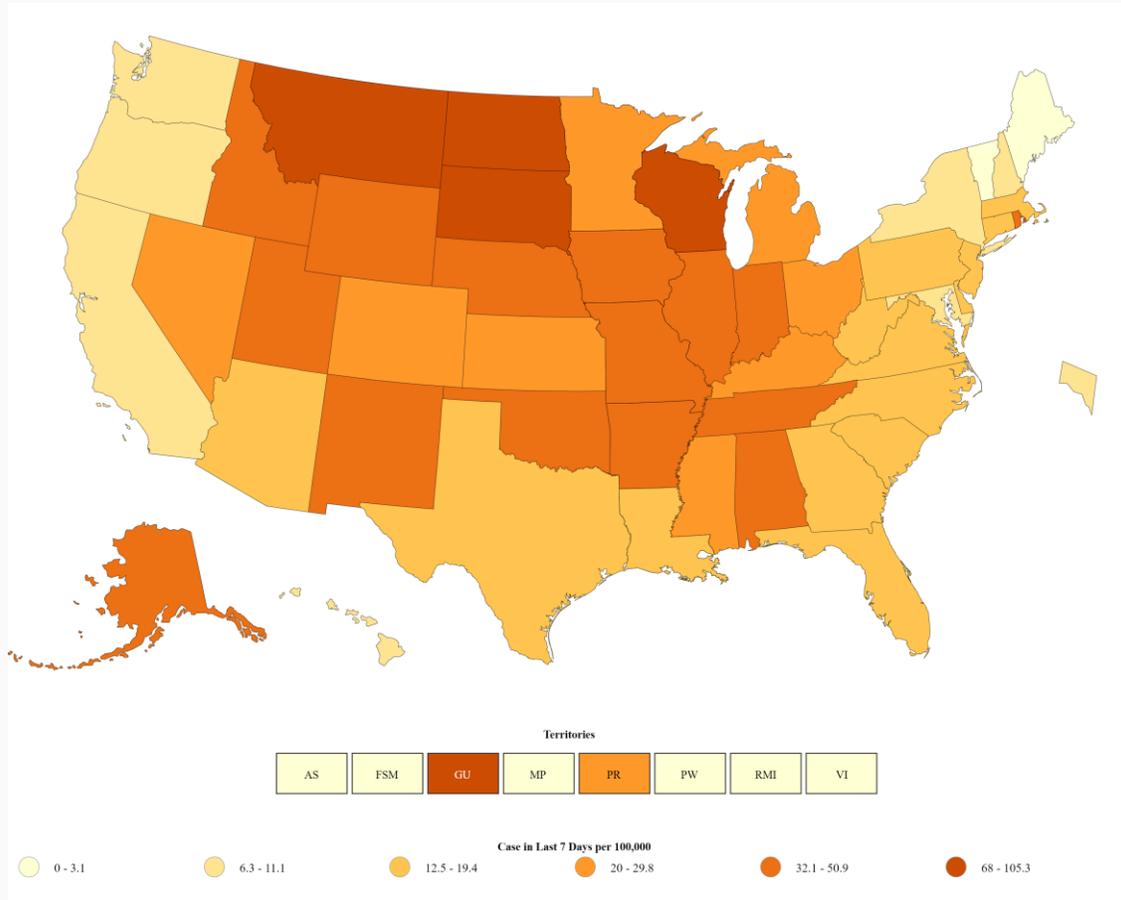
Note: These presumptive figures will be updated M-W-F and are refined as the Joint Staff Crisis Management Team receives updated/corrected reporting on case numbers.

Cumulative totals of COVID-19 cases, hospitalizations, recovered, and deaths within the DoD.

Source: <https://www.defense.gov/explore/spotlight/coronavirus/>



WHO, 10.20.20.



(Updated 10.26.20 from CDC's [platform](#).)

For more information, visit [CDC's Novel Coronavirus 2019 website](#) or the [WHO's dashboard](#).

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