State and National Updates
Worldwide Cases

Total Confirmed
9,289,255

Confirmed Cases by Country/Region/Sovereignty
2,347,102 US
1,145,906 Brazil
606,043 Russia
456,183 India
307,682 United Kingdom
260,810 Peru
250,767 Chile
246,752 Spain
238,833 Italy
212,501 Iran
197,804 France
192,786 Germany

Global Deaths
478,160
121,225 deaths
US
52,645 deaths
Brazil
43,011 deaths
United Kingdom
34,676 deaths
Italy
29,723 deaths
France
28,325 deaths
Spain

US State Level Deaths, Recovered
31,232 deaths, 69,710 recovered
New York US
13,025 deaths, 29,817 recovered
New Jersey US
7,889 deaths, recovered
Massachusetts US
6,707 deaths, recovered
Illinois US
6,464 deaths, 64,502 recovered
Pennsylvania US

Lancet Inf Dis Article: Here, Mobile Version: Here.
Lead by JHU CSSE, Technical Support: EPI Living Atlas team and JHU APL, Financial Support: JHU and NSF. Click here to donate to the CSSE dashboard team, and other JHU COVID-19 Research Efforts. FAQ. Read more in this blog. Contact US.
US Cases

Total Cases: 2,275,645
Total Deaths: 119,923

New Cases: 27,616
New Deaths: 308
Rate per 100,000

ARIZONA DEPARTMENT OF HEALTH SERVICES
Health and Wellness for All Arizonans

Show case counts or population rates in the map below:
Select a county to filter the other numbers.
Deaths will not be shown for counties with fewer than three deaths.

- Number of Cases: 56,179
- Number of Deaths: 1,384
- Number of COVID-19 Tests: 589,794
- Number of New Cases reported today*: 3,591
- Number of New Deaths reported today*: 42
- Number of New Tests reported today*: 21,206
- Rate of cases, per 100,000 population: 809.3
- Rate of fatalities, per 100,000 population: 19.25
- Total Percent Positive**: 8.6%

- PCR Percent Positive**: 10.5%
- Total COVID-19 Serology Tests: 1,538,616
- Serology Percent Positive**: 3.0%

*Counts of new cases, deaths, and numbers tested reflect increases in the total numbers compared to the previous day.
**Percent positive is the number of people with a positive test result, out of all people with COVID-19 testing completed in AZ.
Select a county to filter the epi curve.

Cases by Day

*Illnesses in the last 4-7 days may not be reported yet
Age Group: 20 - 44 years
Number of cases: 27,943
Percent of cases: 48%

Age Group: 65 years and older
Number of cases: 7,561
Percent of cases: 13%
**COVID-19 Deaths by Age Group**

- **65+**
  - Number of deaths: 1,044
  - Percent of deaths: 75%

- **20-44y**
  - Number of deaths: 72
  - Percent of deaths: 5%

**COVID-19 Deaths by Race/Ethnicity**

- White, non-Hispanic: 45%
- Hispanic or Latino: 20%
- Native American: 19%
- Black, non-Hispanic: 3%
- Asian/Pacific Islander: 1%
- Other, non-Hispanic: 2%
- Unknown: 10%
Laboratory Testing

All tests completed for COVID-19: 589,754
All tests reported yesterday in Arizona: 21,206
Total % Positive COVID-19 All Tests: 8.6%

COVID-19 tests completed and percent positive by week:

- Percent positive is defined as number of people with a positive test result, out of all people with COVID-19 testing completed in AZ.

Total % Positive COVID-19 PCR Tests: 10.5%
Total % Positive COVID-19 Serology Tests: 3.0%

Data Updated: 6/23/2020

*NOTE: Results from the last 4-7 days may not be reported yet.
### Inpatient Bed Usage Due to COVID-19

<table>
<thead>
<tr>
<th>Date</th>
<th>%</th>
<th>Number</th>
<th>Total # Inpatient Beds in Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/15/2020</td>
<td>81%</td>
<td>6,231</td>
<td><strong>Date</strong>: 6/15/2020 <strong>%</strong>: 81% <strong>Number</strong>: 6,231</td>
</tr>
<tr>
<td>6/22/2020</td>
<td>83%</td>
<td>6,469</td>
<td><strong>Date</strong>: 6/22/2020 <strong>%</strong>: 83% <strong>Number</strong>: 6,469</td>
</tr>
</tbody>
</table>
ICU Beds in Use Due to COVID-19

Total # Adult ICU Beds In Use:
- Date: 6/15/2020
- %: 80%
- Number: 1,307

Total # Adult ICU Beds In Use:
- Date: 6/22/2020
- %: 84%
- Number: 1,412
Ventilator Usage Due to COVID-19

**Total # Ventilators In Use:**
- Date: 6/15/2020
- %: 38%
- Number of Ventilators: 707

**Total # Ventilators In Use:**
- Date: 6/22/2020
- %: 41%
- Number of Ventilators: 716
Governor Ducey presented data showing that COVID-19 cases as well as the percentage of positive tests is increasing, COVID-like symptoms are increasing, and he asserted that our trends are going the wrong direction. In response, he made the following announcements:

- Local governments may implement mask and face covering policies and determine enforcement;
- New guidance today requires increased measures that business establishments MUST take to protect their employees and customers; (BUSINESSES | RESTAURANTS/BARS)
- The state will amplify efforts in contact tracing in partnership with the counties and 300 Nation Guard members will be deployed for this effort
ALL BUSINESSES

Any business, whether for-profit or non-profit, institution, profession or entity that physically operates in the State of Arizona and serves the public or is an employer shall develop, establish, implement and enforce policies that adopt guidance from the Centers for Disease Control and Prevention (CDC), the Department of Labor, the Occupational Safety and Health Administration (OSHA), and the Arizona Department of Health Services (ADHS) to limit and mitigate the spread of COVID-19 including the following:

- Promoting healthy hygiene practices;
- Intensifying cleaning, disinfection and ventilation practices;
- Monitoring for sickness;
- Ensuring physical distancing;
- Requiring face coverings when physical distancing is not feasible;
- Providing necessary protective equipment;
- Allowing for and encouraging teleworking where feasible;
- Providing plans, where possible, to return to work in phases; and
- Limiting the congregation of groups of no more than 10 persons when feasible and in relation to the size of the location.

REQUIREMENTS FOR PREVENTING COVID-19 TRANSMISSION

Pursuant to the previous and updated guidance issued by the Centers for Disease Control and Prevention (CDC) and the Arizona Department of Health Services (ADHS), under all circumstances, the following precautions are required for businesses operating in Arizona:

- Unless the service provided does not allow for physical distancing, businesses shall implement and enforce physical distancing requirements at least 6 feet between employees and/or customers;
- Maintain physical distancing of at least 6 feet in between tables, chairs, or desks if in an open space;
- Maintain clearly marked 6-foot spacing marks and/or signage along entrances, waiting areas, hallways, patios, and restrooms and any other location within a business where queues may form or patrons may congregate;
- If physical barriers are not possible, consider the use of visual cues, such as tape marks or decals, placed 6 feet apart to indicate where to stand;
- Operate with reduced occupancy and capacity based on the size of the business location to accommodate 6 feet physical distancing, with special attention to limiting areas where customers and employees can congregate;
- Install barriers, rearrange or remove seating, use signage to promote physical distancing, or provide remote opportunities such as delivery or pick-up for customers;
- Close or limit access to congregate settings such as lunch rooms, employee lounges or break rooms, and other communal gathering spaces as feasible;
- Ensure proper use of personal protective equipment (PPE), such as gloves, face coverings or respirators, as required;
- Implement policies and encourage teleworking where feasible.

*Note that guidance may be updated. Those complying with this guidance are encouraged to regularly visit the websites provided to ensure they are adhering to the most up-to-date guidance.

WEBSITES FOR ADDITIONAL PUBLIC HEALTH GUIDANCE:

Websites for additional public health guidance:

- Stay Healthy, Return Smarter, Return Stronger
- Requirements for Restaurants and Bars Providing Dine-In Services
- Requirements for Preventing COVID-19 Transmission
- Webpage for the Arizona Department of Health Services
- Arizona Department of Health Services
- Centers for Disease Control and Prevention (CDC)
NOW, THEREFORE, I, Douglas A. Ducey, Governor of the State of Arizona, by virtue of the authority vested in me by the Constitution and laws of the State, including but not limited to A.R.S. §§ 26-303 and 36-787, and after consultation with the Director of ADHS, do hereby order that effective June 18, 2020 at 12:00 a.m.:

1. The ADHS shall implement a consistent, statewide system for case investigation and contact tracing and manage these public health activities on behalf of the State. All local health departments shall follow the protocols of the statewide system until the ADHS has determined that adequate infrastructure and resources to support ongoing case investigation and contact tracing at the local level are available.

2. The Adjutant General shall have the authority to mobilize and call to activate all or such part of the Arizona National Guard as is determined necessary and appropriate to assist the ADHS in authorized contact tracing activities under this order.

3. Businesses shall assist in efforts to “Contain the Spread,” by updating and enforcing written policies in accordance with Executive Order 2020-36, Stay Healthy, Return Smarter, Return Stronger, that adopt guidance from the CDC, Department of Labor, Occupational Safety and Health Administration (OSHA) and ADHS to limit and mitigate the spread of COVID-19. This provision shall be enforced by law enforcement and regulatory agencies that have jurisdiction over the business as prescribed in paragraph 5.

4. Notwithstanding directives in Executive Order 2020-36, Stay Healthy, Return Smarter, Return Stronger, regarding A.R.S. § 26-307, a county, city or town may, based on conditions in its jurisdiction, adopt policies regarding the wearing of face coverings in public for the purpose of mitigating the spread of COVID-19. Any enforcement of such a policy shall focus first on educating and working to promote best practices to accomplish the goal of mitigation. An individual shall be notified of the provisions of this order or any policy adopted by a county, city or town and given an opportunity to comply prior to any enforcement action being taken.

5. Arizonans continue to act responsibly during this public health emergency. The intent of this Executive Order is to ensure that the State of Arizona continues to mitigate the spread of COVID-19 to the greatest extent possible. All law enforcement and regulatory agencies that have enforcement authority under existing law should focus first on educating and working to promote best practices to accomplish this goal. Upon an initial violation, notice of the provisions of this order and the associated guidance from ADHS shall be provided and an opportunity to comply shall be offered.

6. If any provision of this Executive Order or its application to any person or circumstance is held invalid by any court of competent jurisdiction, this invalidity does not affect any other provision or application of this Executive Order, which can be given without the invalid provision or application. To achieve this purpose, the provisions of this Executive Order are declared to be severable.

7. This order shall remain in place until further notice, and shall be considered for repeal or revision at least every two weeks following issuance.
Executive Order 2020-36: Stay Healthy, Return Smarter, Return Stronger

5. Any business, whether for-profit or non-profit, institution, profession or entity that physically operates in this state and serves the public or is an employer shall develop, establish and implement policies based on guidance from the CDC, Department of Labor, Occupational Safety and Health Administration (OSHA) and ADHS to limit and mitigate the spread of COVID-19 including the following:
   a. Promoting healthy hygiene practices;
   b. Intensifying cleaning, disinfection and ventilation practices;
   c. Monitoring for sickness;
   d. Ensuring physical distancing;
   e. Providing necessary protective equipment;
   f. Allowing for and encouraging teleworking where feasible;
   g. Providing plans, where possible, to return to work in phases; and
   h. Limiting the congregation of groups of no more than 10 persons when feasible and in relation to the size of the location.
<table>
<thead>
<tr>
<th>MASKS MANDATORY?</th>
<th>MUNICIPALITY</th>
<th>MASKS MANDATORY?</th>
<th>MUNICIPALITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>Apache County</td>
<td>Yes</td>
<td>Mesa</td>
</tr>
<tr>
<td>No/Yes County</td>
<td>Apache Junction</td>
<td>No</td>
<td>Mohave County</td>
</tr>
<tr>
<td>Yes</td>
<td>Avondale</td>
<td>No</td>
<td>Navajo County</td>
</tr>
<tr>
<td>Yes</td>
<td>Bisbee</td>
<td>Yes</td>
<td>Nogales</td>
</tr>
<tr>
<td>?/Yes County</td>
<td>Buckeye</td>
<td>No/Yes County</td>
<td>Paradise Valley</td>
</tr>
<tr>
<td>No</td>
<td>Bullhead City</td>
<td>Yes</td>
<td>Payson</td>
</tr>
<tr>
<td>Yes</td>
<td>Carefree</td>
<td>Yes</td>
<td>Peoria</td>
</tr>
<tr>
<td>Yes</td>
<td>Casa Grande</td>
<td>Yes</td>
<td>Phoenix</td>
</tr>
<tr>
<td>No/Yes County</td>
<td>Cave Creek</td>
<td>Yes</td>
<td>Pima County</td>
</tr>
<tr>
<td>Yes</td>
<td>Chandler</td>
<td>No</td>
<td>Prescott</td>
</tr>
<tr>
<td>No</td>
<td>Cochise County</td>
<td>Yes</td>
<td>Prescott Valley</td>
</tr>
<tr>
<td>No/Yes County</td>
<td>Cottonwood</td>
<td>No</td>
<td>Queen Creek</td>
</tr>
<tr>
<td>Yes</td>
<td>El Mirage</td>
<td>Yes</td>
<td>Salt River Pima-Maricopa Indian</td>
</tr>
<tr>
<td>Yes</td>
<td>Flagstaff</td>
<td>Yes</td>
<td>Santa Cruz County</td>
</tr>
<tr>
<td>No/Yes County</td>
<td>Fountain Hills</td>
<td>Yes</td>
<td>Scottsdale</td>
</tr>
<tr>
<td>Yes</td>
<td>Gila River Indian Community</td>
<td>Yes</td>
<td>Surprise</td>
</tr>
<tr>
<td>Yes</td>
<td>Gilbert</td>
<td>Yes</td>
<td>Tempe</td>
</tr>
<tr>
<td>Yes</td>
<td>Glendale</td>
<td>Yes</td>
<td>Tolleson</td>
</tr>
<tr>
<td>Yes</td>
<td>Goodyear</td>
<td>Yes</td>
<td>Tucson</td>
</tr>
<tr>
<td>Yes</td>
<td>Guadalupe</td>
<td>No</td>
<td>White Mountains</td>
</tr>
<tr>
<td>Yes</td>
<td>Kingman* (City government buildings only)</td>
<td>No</td>
<td>Yavapai County</td>
</tr>
<tr>
<td>Yes</td>
<td>Litchfield Park</td>
<td>Yes</td>
<td>Yuma County</td>
</tr>
<tr>
<td>Yes</td>
<td>Maricopa County</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Considerations for COVID Testing

**Arizona State Lab**

PUI Criteria only required at Arizona State Laboratory.

**CDC**

- Individuals with signs or symptoms consistent with COVID-19
- Asymptomatic individuals with recent known or suspected exposure to SARS-CoV-2 to control transmission
- Asymptomatic individuals without known or suspected exposure to SARS-CoV-2 for early identification in special settings
- Testing to determine resolution of infection (i.e., test-based strategy for Discontinuation of Transmission-based Precautions, HCP Return to Work, and Discontinuation of Home Isolation)
- Public health surveillance for SARS-CoV-2
CDC Director Robert Redfield told Congress that the US needs 100,000 contact tracers to track the spread of coronavirus, but the country only has around 28,000.

Free Training Available
FDA Advises Not to Use Certain Hand Sanitizer Products

FDA has identified the following products manufactured by Eskbiochem:

- All-Clean Hand Sanitizer (NDC: 74589-002-01)
- Esk Biochem Hand Sanitizer (NDC: 74589-007-01)
- CleanCare NoGerm Advanced Hand Sanitizer 75% Alcohol (NDC: 74589-008-04)
- Lavar 70 Gel Hand Sanitizer (NDC: 74589-006-01)
- The Good Gel Antibacterial Gel Hand Sanitizer (NDC: 74589-010-10)
- CleanCare NoGerm Advanced Hand Sanitizer 80% Alcohol (NDC: 74589-005-03)
- CleanCare NoGerm Advanced Hand Sanitizer 75% Alcohol (NDC: 74589-009-01)
- CleanCare NoGerm Advanced Hand Sanitizer 80% Alcohol (NDC: 74589-003-01)
- Saniderm Advanced Hand Sanitizer (NDC: 74589-001-01)

FDA detect methanol, not ethyl alcohol, which is not an acceptable ingredient for hand sanitizers and should not be used due to its toxic effects.
NIH has stopped two clinical trials testing whether hydroxychloroquine can treat patients with COVID-19. The NIH stopped one of the trials “because the drug was unlikely to be effective and the other because not enough patients signed up to participate.”

“A data and safety monitoring board (DSMB) met late Friday and determined that while there was no harm, the study drug was very unlikely to be beneficial to hospitalized patients with COVID-19.” The NIH also said, “The data from this study indicate that this drug provided no additional benefit compared to placebo control for the treatment of COVID-19 in hospitalized patients.”
Arizona received 204 cases last week. There will be no shipments this week.

Next shipment to states will be next week (June 29)
- 160,000 vials (lyophilized form)
- Based on TeleTracking data from June 1-8
- This is the last of the donated remdesivir aside from a strategic reserve of ~10,000 vials (ASPR will determine how to allocate these in July)

Next steps from Gilead and government into July and August
- Still unknown

Gilead has started trials of an inhaled version of remdesivir that would be given through a nebulizer, which could potentially allow for easier administration outside the hospital, at earlier stages of disease.
Questions?