The slide features a white background with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance. They are positioned around the central text, with some near the top left and others near the bottom right.

COVID-19 Update

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April 29, 2020

COVID-19 Cases and Deaths: Global

- Globally (4/13/2020)

- 1,773,084 cases
- 111,652 deaths
- Country Cases Rank:
 - U.S. >>> Spain > Italy > Germany > France

- Globally (4/28/2020)

- 2,804,796 cases
- 193,710 deaths
- Country Cases Rank:
 - U.S. >>> Spain > Italy > UK > Germany



<https://www.who.int/emergencies/diseases/novel-coronavirus-2019>

<https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/world-map.html>

COVID-19 Cases and Deaths: U.S.

- U.S.A. (4/28/2020)
 - 981,246 confirmed cases
 - 17.4% of total tested
 - 55,258 confirmed deaths
- States Cases Rank:
 - New York: 287,607 cases
 - New Jersey: 111,188 cases
 - Massachusetts: 56,462 cases
 - Illinois: 45,883 cases
 - California: 43,464 cases
 - Pennsylvania: 42,050 cases
- U.S.A. (4/13/2020)
 - 554,849 confirmed cases
 - 19.2% of total tested
 - 21,942 confirmed deaths
- States Cases Rank:
 - New York: 188,694 cases
 - New Jersey: 61,850 cases
 - Massachusetts: 25,475 cases
 - Michigan: 24,638 cases
 - Pennsylvania: 22,833 cases

<https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/cases-in-us.html>

COVID-19 Cases: IHS Reporting

Data as of 4/13/2020

- Reported positive cases: 1,037
 - 8.6% of total tested
- Number tested: 11,981
- Five Areas with highest number of cases
 - Navajo: 579
 - Albuquerque: 158
 - Oklahoma City: 74
 - Portland: 59
 - Phoenix: 57

*Lag in test results: 10.7% (5%–21%) of tested

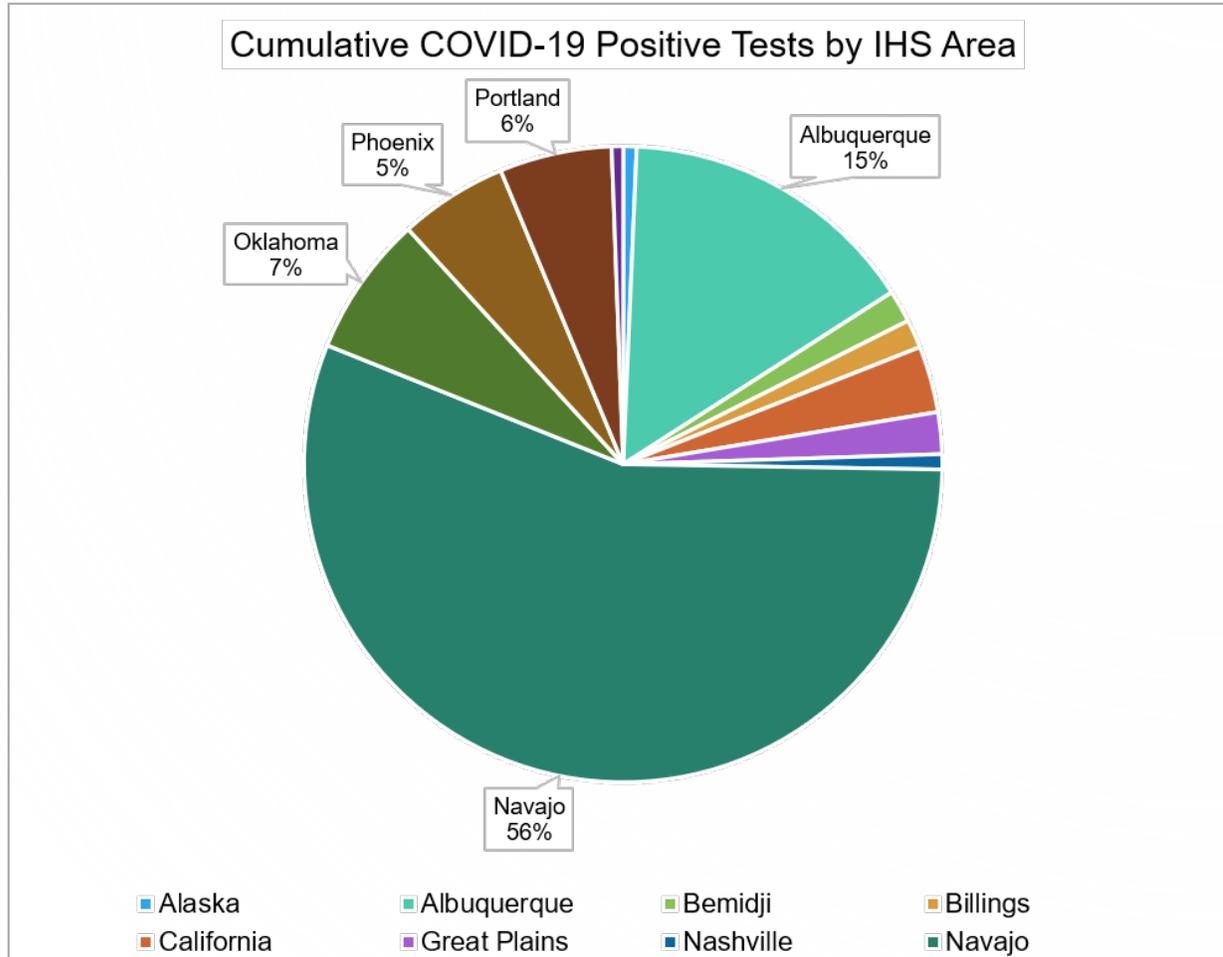
Data as of 4/26/2020

- Reported positive cases: 2,973
 - 10.9% of total tested
- Number tested: 27,188*
- Six Areas with highest number of cases
 - Navajo: 1,880 (25.0% of tested)
 - Albuquerque: 259 (10.4% of tested)
 - Phoenix: 250 (19.6% of tested)
 - Nashville: 128 (8.4% of tested)
 - Oklahoma City: 120 (3.5% of tested)
 - Portland: 111 (10.4% of tested)

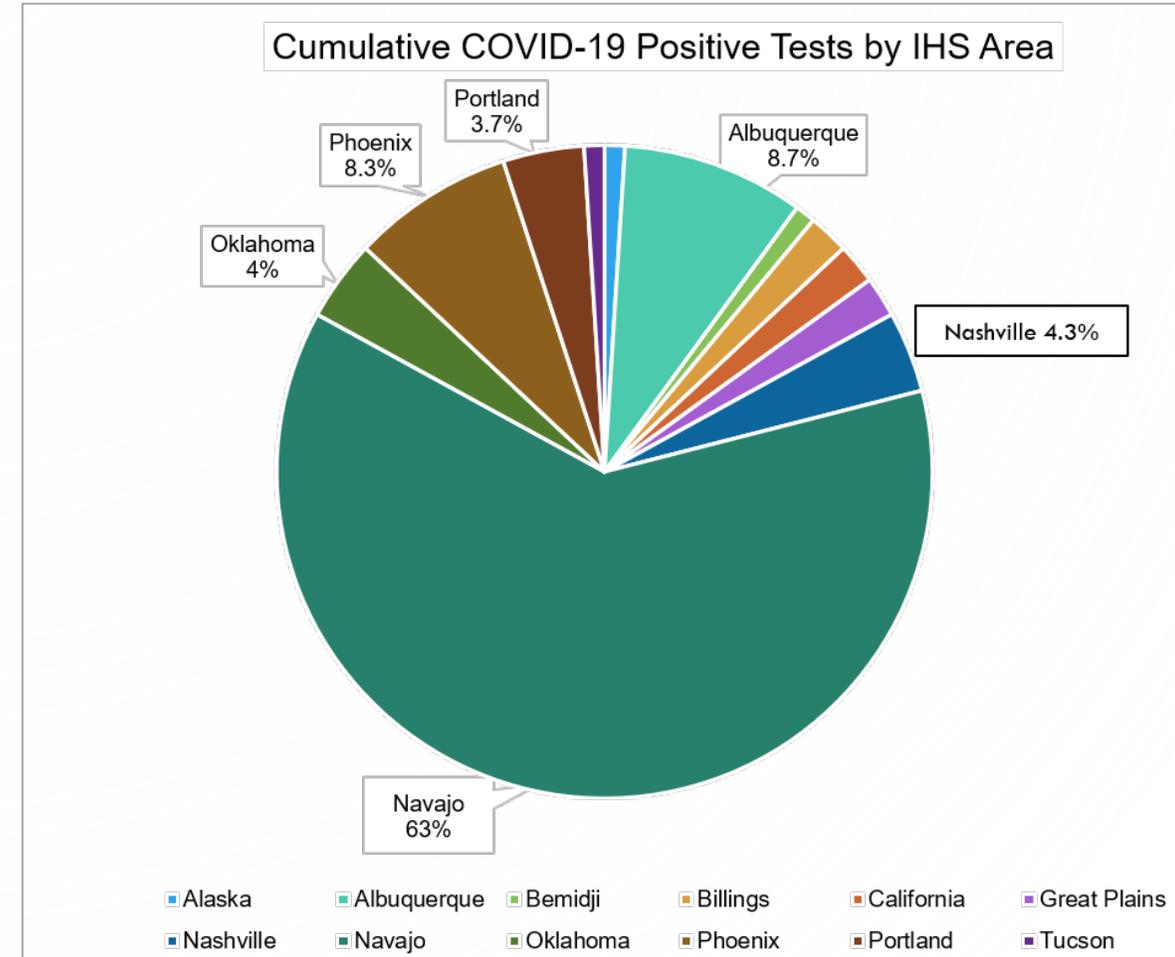
<https://www.ihs.gov/coronavirus/>

COVID-19 Cases: IHS Reporting (cont.)

Data as of 4/13/2020



Data as of 4/26/2020



CDC Guideline Updates

- Since the last webinar on 4/14/20, the CDC has posted updates to its site:
 - Meat and poultry processing workers and employers
 - Information for clinicians on investigational therapeutics for patients with COVID-19
 - Interim U.S. guidance for risk assessment and public health management of healthcare personnel with potential exposure in a healthcare setting to patients with coronavirus disease 2019 (COVID-19)
 - Preparing for COVID-19: long-term care facilities, nursing homes
 - Pregnancy and breastfeeding; information for pediatric healthcare providers
 - What rideshare, taxi, limo, and other drivers-for-hire need to know about COVID-19
 - Completing the Person Under Investigation (PUI) and Case Report Form (contact tracing)
 - Interim guidance on management of coronavirus disease 2019 (COVID-19) in correctional and detention facilities
 - Strategies to optimize the supply of PPE and equipment; supply of N95 respirators

<https://www.cdc.gov/coronavirus/2019-ncov/whats-new-all.html>

CDC COVIDView Surveillance System

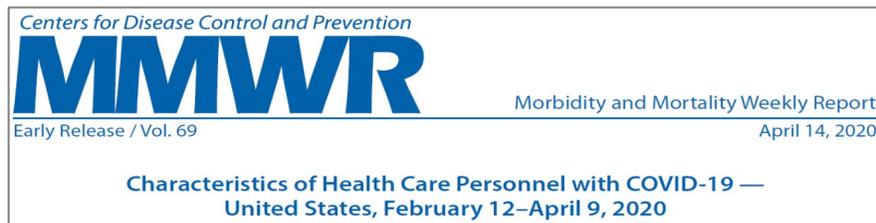
Week Ending April 18, 2020

- Adaptation of CDC Influenza-like Illness (ILI) to track COVID-19-like Illness (CLI) provides national percentage of respiratory specimens testing positive for SARS-CoV-2, outpatient or emergency department (ED) visits for potential CLI, cumulative COVID-19-associated hospitalization rates, deaths attributed to COVID-19 and deaths attributed to pneumonia (other than COVID-19 and flu), and current data through week ending April 18th (lag in reporting and analysis).
- Key points: compared to the previous week
 - Percentage of laboratory specimens testing positive for SARS-CoV-2 remained similar to, or decreased
 - Outpatient visits to providers and emergency departments for symptoms of COVID-19 continued to decline
 - Overall hospitalization rate: 29.2/100K; highest in 65 years and older: 95.5/100K; 50–64 years: 47.2/100K.
 - Death certificate data reveal the percentage of deaths attributed to pneumonia, influenza, and COVID-19 (PIC) decreased from 23.6% in the previous week to 18.6%.
 - Decline in key indicators used to track COVID-19 could be a result of widespread social distancing

<https://www.cdc.gov/coronavirus/2019-ncov/covid-data/covidview/index.html>

CDC–Morbidity and Mortality Weekly Report

- 19% of COVID-19 cases were identified HCP (9,282/49,370 reported of 315,531 cases)
 - HCP defined as “essential workers serving in health care setting who have the potential for direct or indirect exposure to patients or infection materials”.
 - 73% female; mean age 42 years (6%, 65 years and older); 72% white; 38% with underlying medical condition
- COVID-19 manifestation
 - Exposure: 55% reported contact with patient in healthcare setting; 27% household
 - Presentation: cough (78%), fever (68%), muscle aches (66%), headaches (65%), shortness of breath (41%)
 - 10% hospitalized (723/7483); 5% ICU admission (184/3739); 0.6% mortality (27/4407)
 - All percentages increase with age, worst among 65 years and older
 - https://www.cdc.gov/mmwr/volumes/69/wr/mm6915e6.htm?deliveryName=USCDC_425-DM25898



The page features several realistic water droplets of various sizes and orientations, primarily located in the top-left and bottom-right corners. These droplets have highlights and shadows, giving them a three-dimensional appearance. The text 'Thank you' is centered in the upper half of the page.

Thank you

Data as of 4/26/2020

IHS Area	Tested	Positive	%/Total Positive	Negative
Alaska	4,123	16	0.5	3,261
Albuquerque	2,483	259	8.7	1,760
Bemidji	441	33	1	288
Billings	2,564	49	1.5	2,330
California	1,005	63	2	732
Great Plains	1,159	48	1.5	1,104
Nashville	1,549	128	4.3	1,376
Navajo	7,533	1,880	63	5,044
Oklahoma City	3,397	120	4	3,100
Phoenix	1,274	250	8.4	904
Portland	1,067	111	3.7	907
Tucson	593	16	0.5	483
TOTAL	27,188	2,973	100	21,289

COVID Care: Highlights

- Testing: Serology
 - Early antibodies screening results suggest COVID-19 more widespread than initially thought; as much as 14% of New York State residents have antibodies. Immunity?
- Clinical Care: COVID-associated coagulopathy
 - Disseminated intravascular coagulation with less bleeding found in 71% of non-survivors (Wuhan data)
 - Microangiopathy; increased D-dimers; Recommend LMWH (usual care in U.S.)
- Treatment:
 - Hydroxychloroquine (antimalarial)—negative VA study; FDA warns against outpatient use
 - Remdesivir (antiviral)—positive in preliminary study from University of Chicago
 - Convalescent Plasma Infusion—aneecdotal reports of marked improvement
 - SGLT-2 Inhibitor clinical trial—Dapagliflozin in Respiratory Failure in Patients with COVID-19 (DARE-19). Treatment of hospitalized patients to reduce cardiovascular and renal complications and mortality.

Data as of 4/25/2020

IHS Area	Tested	Positive	%/Total Positive	Negative
Alaska	3,761	16	1	2,749
Albuquerque	2,475	256	9	1,756
Bemidji	440	33	1	283
Billings	2,551	48	2	2,322
California	1,005	63	2	732
Great Plains	1,192	61	2	1,090
Nashville	1,543	116	4	1,259
Navajo	7,323	1,800	62	4,856
Oklahoma City	3,371	120	4	3,074
Phoenix	1,244	242	8	877
Portland	1,067	111	4	907
Tucson	588	16	1	478
TOTAL	26,560	2,882	100%	20,383

<https://www.ihs.gov/coronavirus/>