COVID-19 Update

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Indian Health Service
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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
COVID-19 Cases and Deaths: U.S.

  - 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

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

Cumulative COVID-19 Positive Tests by IHS Area

Data as of 4/26/2020

Cumulative COVID-19 Positive Tests by IHS Area
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

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

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
Thank you
### Data as of 4/26/2020

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<thead>
<tr>
<th>IHS Area</th>
<th>Tested</th>
<th>Positive</th>
<th>%/Total Positive</th>
<th>Negative</th>
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<td><strong>TOTAL</strong></td>
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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—anecdotal 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

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<thead>
<tr>
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<th>Negative</th>
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