



Navajo Area Indian Health Service COVID-19 Situation Awareness

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Thu, 4/2/20



• Big Caveat...

- This is a rapidly evolving situation and changing by the hour (if not the minute)...
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In the news...

- US nationwide social distancing guidelines extended until 4/30/20
- Based on the Institute for Health Metrics and Evaluation (IHME), the US government projects at **least 100,000 deaths** nationwide
- Not only are ventilators in short supply, dozens of drugs also currently in short supply which include sedatives, anesthetics, painkillers and muscle relaxants
- NYC, one of the hardest hit by COVID, has constructed a 68 bed field hospital in Central Park, which will serve as overflow capacity for COVID, hospital up and running on 4/1/2020. Javits Center being used as non-COVID low acuity overflow 1000-bed hospital.

Global Cases and Deaths

- Globally: 911,308 cases/45,497 deaths
 - US: 206,207 cases/4,476 deaths
 - Italy: 110,574 cases/13,155 deaths
 - Spain: 102,136 cases/9,053 deaths
 - China: 82,361 cases/3,316 deaths
 - Germany: 77,558 cases/858 deaths

US Cases and Deaths

- USA has the highest number of cases in the world
 - US: 206,207 cases/4,476 deaths
- States with the highest cases/deaths:
 - New York: 83,712 cases/ 1,941 deaths (1,139 cases NYC)
 - New Jersey: 22,255 cases/ 355 deaths
 - California: 8,813 cases/ 187 deaths
 - Michigan: 7,615 cases/ 259 deaths
 - Louisiana: 7,615 cases/273 deaths

IHS Cases (as of 3/23/20)

| IHS Area | Tested | Positive | Negative |
|---------------|-------------|-----------|------------|
| Alaska | 1 | 0 | 0 |
| Albuquerque | 33 | 0 | 6 |
| Bemidji | 10 | 0 | 6 |
| Billings | 76 | 1 | 36 |
| California | 120 | 3 | 23 |
| Great Plains | 48 | 1 | 29 |
| Nashville | 3 | 0 | 0 |
| Navajo | 629 | 29 | 332 |
| Oklahoma City | 52 | 0 | 6 |
| Phoenix | 30 | 1 | 7 |
| Portland | 118 | 7 | 48 |
| Tucson | 3 | 0 | 1 |
| Total | 1123 | 42 | 494 |

IHS Cases (as of 3/30/20)

| IHS Area | Tested | Positive | Negative |
|---------------|--------------|------------|--------------|
| Alaska | 346 | 2 | 156 |
| Albuquerque | 127 | 2 | 68 |
| Bemidji | 16 | 0 | 11 |
| Billings | 187 | 4 | 149 |
| California | 312 | 13 | 159 |
| Great Plains | 91 | 4 | 82 |
| Nashville | 61 | 1 | 41 |
| Navajo | 1,377 | 110 | 916 |
| Oklahoma City | 366 | 12 | 174 |
| Phoenix | 130 | 11 | 78 |
| Portland | 243 | 15 | 148 |
| Tucson | 32 | 0 | 8 |
| Total | 3,288 | 174 | 1,990 |

Navajo Nation

- Navajo Nation: 49 cases (as of 3/24/2020)
 - Navajo County : 30
 - Apache County: 7
 - Coconino County: 6
 - San Juan County: 2
 - McKinley County: 4
 - Link here: <http://www.ndoh.navajonnsn.gov/COVID-19>
- Navajo Nation: 174 cases and 7 deaths (as of 3/31/20)
 - Navajo County: 85
 - Apache County : 17
 - Coconino County: 40
 - McKinley County: 10
 - San Juan County, NM: 15
 - Cibola County: 1
 - San Juan County, UT: 6

CDC Guideline Updates

- Since last week webinar (3/26/20), CDC has posted 60+ updates to their site:
 - Information for Pediatric Healthcare Providers (3/26/20)
 - Alternate Care Sites (ACS) and Isolation Sites (3/27/20)
 - Isolation Sites (Tier 1): Patients with COVID-19 who do not need medical attention but who cannot stay home
 - Low-acuity ACS (Tier 2): Medical care for convalescing cases of COVID-19
 - Interim Clinical Guidance for Management of Patients with Confirmed COVID-19 (3/30/20)

Link here: [HTTPS://WWW.CDC.GOV/CORONAVIRUS/2019-NCOV/HCP/CLINICAL-GUIDANCE-MANAGEMENT-PATIENTS.HTML](https://www.cdc.gov/coronavirus/2019-ncov/hcp/clinical-guidance-management-patients.html)

- Decontamination and Reuse of Filtering Facepiece Respirators using Contingency and Crisis Capacity Strategies (3/31/20)
 - Issue HCW 5 FFRs, keep in breathable paper bag, minimum of 5 days between each FFR

Preliminary Estimates of the Prevalence of Selected Underlying Health Conditions Among Patients with COVID-19 United States, Feb 12 – Mar 28, 2020 MMWR, Mar 31, 2020

TABLE 1. Reported outcomes among COVID-19 patients of all ages, by hospitalization status, underlying health condition, and risk factor for severe outcome from respiratory infection — United States, February 12–March 28, 2020

| Underlying health condition/Risk factor for severe outcomes from respiratory infection (no., % with condition) | No. (%) | | | |
|--|------------------|-----------------------|---------------|--------------------------------|
| | Not hospitalized | Hospitalized, non-ICU | ICU admission | Hospitalization status unknown |
| Total with case report form (N = 74,439) | 12,217 | 5,285 | 1,069 | 55,868 |
| Missing or unknown status for all conditions (67,277) | 7,074 | 4,248 | 612 | 55,343 |
| Total with completed information (7,162) | 5,143 | 1,037 | 457 | 525 |
| One or more conditions (2,692, 37.6%) | 1,388 (27) | 732 (71) | 358 (78) | 214 (41) |
| Diabetes mellitus (784, 10.9%) | 331 (6) | 251 (24) | 148 (32) | 54 (10) |
| Chronic lung disease* (656, 9.2%) | 363 (7) | 152 (15) | 94 (21) | 47 (9) |
| Cardiovascular disease (647, 9.0%) | 239 (5) | 242 (23) | 132 (29) | 34 (6) |
| Immunocompromised condition (264, 3.7%) | 141 (3) | 63 (6) | 41 (9) | 19 (4) |
| Chronic renal disease (213, 3.0%) | 51 (1) | 95 (9) | 56 (12) | 11 (2) |
| Pregnancy (143, 2.0%) | 72 (1) | 31 (3) | 4 (1) | 36 (7) |
| Neurologic disorder, neurodevelopmental, intellectual disability (52, 0.7%) [†] | 17 (0.3) | 25 (2) | 7 (2) | 3 (1) |
| Chronic liver disease (41, 0.6%) | 24 (1) | 9 (1) | 7 (2) | 1 (0.2) |
| Other chronic disease (1,182, 16.5%) [§] | 583 (11) | 359 (35) | 170 (37) | 70 (13) |
| Former smoker (165, 2.3%) | 80 (2) | 45 (4) | 33 (7) | 7 (1) |
| Current smoker (96, 1.3%) | 61 (1) | 22 (2) | 5 (1) | 8 (2) |
| None of the above conditions [¶] (4,470, 62.4%) | 3,755 (73) | 305 (29) | 99 (22) | 311 (59) |

Abbreviation: ICU = intensive care unit.

* Includes any of the following: asthma, chronic obstructive pulmonary disease, and emphysema.

[†] For neurologic disorder, neurodevelopmental, and intellectual disability, the following information was specified: dementia, memory loss, or Alzheimer's disease (17); seizure disorder (5); Parkinson's disease (4); migraine/headache (4); stroke (3); autism (2); aneurysm (2); multiple sclerosis (2); neuropathy (2); hereditary spastic paraplegia (1); myasthenia gravis (1); intracranial hemorrhage (1); and altered mental status (1).

[§] For other chronic disease, the following information was specified: hypertension (113); thyroid disease (37); gastrointestinal disorder (32); hyperlipidemia (29); cancer or history of cancer (29); rheumatologic disorder (19); hematologic disorder (17); obesity (17); arthritis, nonrheumatoid, including not otherwise specified (16); musculoskeletal disorder other than arthritis (10); mental health condition (9); urologic disorder (7); cerebrovascular disease (7); obstructive sleep apnea (7); fibromyalgia (7); gynecologic disorder (6); embolism, pulmonary or venous (5); ophthalmic disorder (2); hypertriglyceridemia (1); endocrine (1); substance abuse disorder (1); dermatologic disorder (1); genetic disorder (1).

[¶] All listed chronic conditions, including other chronic disease, were marked as not present.

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TABLE 2. Hospitalization with and without intensive care unit (ICU) admission, by age group among COVID-19 patients aged ≥19 years with and without reported underlying health conditions — United States, February 12–March 28, 2020*

| Age group (yrs) | Hospitalized without ICU admission, No. (% range [†]) | | ICU admission, No. (% range [†]) | |
|------------------|---|----------------------|--|---------------------|
| | Underlying condition present/reported [§] | | Underlying condition present/reported [§] | |
| | Yes | No | Yes | No |
| 19–64 | 285 (18.1–19.9) | 197 (6.2–6.7) | 134 (8.5–9.4) | 58 (1.8–2.0) |
| ≥65 | 425 (41.7–44.5) | 58 (16.8–18.3) | 212 (20.8–22.2) | 20 (5.8–6.3) |
| Total ≥19 | 710 (27.3–29.8) | 255 (7.2–7.8) | 346 (13.3–14.5) | 78 (2.2–2.4) |

* Includes COVID-19 patients aged ≥19 years with known status on underlying conditions.

[†] Lower bound of range = number of persons hospitalized or admitted to an ICU among total in row stratum; upper bound of range = number of persons hospitalized or admitted to an ICU among total in row stratum with known outcome status: hospitalization or ICU admission status.

[§] Includes any of following underlying health conditions or risk factors: chronic lung disease (including asthma, chronic obstructive pulmonary disease, and emphysema); diabetes mellitus; cardiovascular disease; chronic renal disease; chronic liver disease; immunocompromised condition; neurologic disorder, neurodevelopmental, or intellectual disability; pregnancy; current smoker; former smoker; or other chronic disease.

The background features a light gray gradient with several realistic water droplets of various sizes scattered in the corners. The droplets have highlights and shadows, giving them a three-dimensional appearance.

Thank you!

- Questions?