

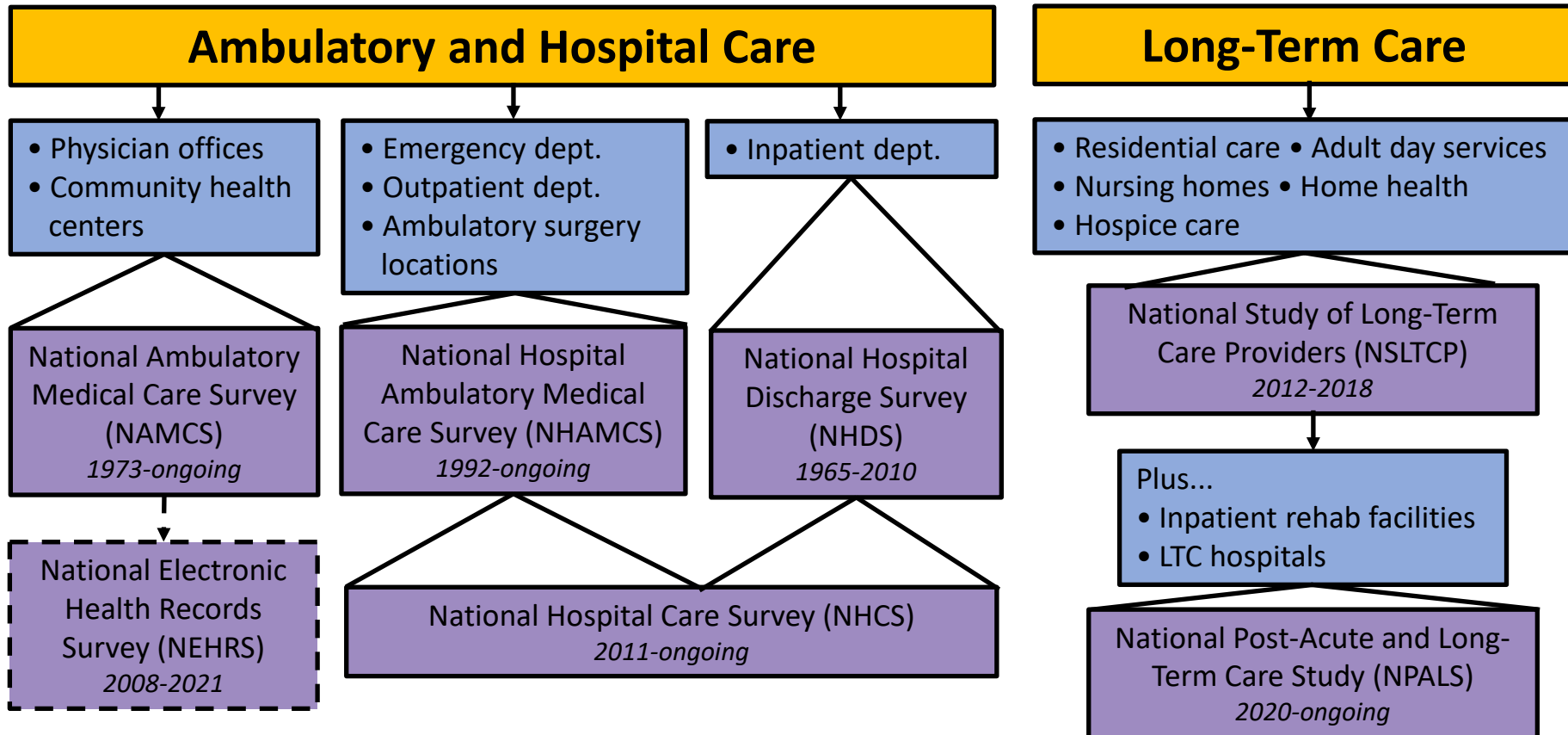


Breaking New Ground for the National Health Care Surveys: Preliminary COVID-19 Data Releases

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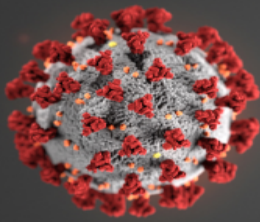
**Virtual Presentation to the
NCHS Board of Scientific Counselors
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National Health Care Surveys Spectrum of Care



Accomplishments

- **First-ever early release of preliminary data for the National Health Care Surveys covering 5 settings from 3 sectors:**
 - **National Hospital Care Survey (NHCS):** Hospital inpatients & emergency departments (ED).
 - **National Post-acute and Long-term Care Study (NPALS):** Adult Day Services Centers (ADSC) & Residential Care Communities (RCC).
 - **National Ambulatory Medical Care Survey (NAMCS):** Office-based physicians (forthcoming).
- **ONLY data sources** of COVID-19 related national estimates in ADSCs, RCCs, and office-based physician practices.
 - **First look at the impact of COVID-19** in these settings and among these health care providers.



COVID-19 Data from the National Center for Health Statistics

NCHS collects, analyzes, and disseminates information on the health of the nation. In response to the COVID-19 pandemic, NCHS is providing the most recent data available on deaths, mental health, and access to health care, loss of work due to illness, and telemedicine from the vital statistics system, the NCHS Research and Development Survey, and through a partnership with the U.S. Census Bureau.

For general information including symptoms, testing, and community safety, visit <https://www.cdc.gov>.

[Articles on NCHS Response to Coronavirus Disease 2019 \(COVID-19\)](#)



Deaths

Access provisional death counts based on information obtained from death certificates.



Cause-of-Death Certification

Guidance for certifiers on how to report deaths due to COVID-19 on death certificates.



Births and Pregnancies

Access provisional data on births and COVID-19 cases among pregnant women and newborns.



Health Care Access, Telemedicine, and Mental Health

Data from NCHS' partnership with the U.S. Census Bureau on the Household Pulse Survey.



Health Care Access, Telemedicine, and Loss of Work Due to Illness

Data from NCHS' research survey RANDS during COVID-19.



Hospital Data

Data from NCHS' National Hospital Care Survey describing patient care in hospital-based settings.



Long-term Care and COVID-19

COVID-19-related data for residential care communities and adult day services centers

Main page to access all NCHS
COVID-19 data:

<https://www.cdc.gov/nchs/covid19/>

National Hospital Care Survey (NHCS)

- **Purpose:** Provide reliable and timely health care use data for hospital-based settings.
- **Sample:** Non-federal, non-institutional hospitals with 6+ staffed inpatient beds.
- **Mode:** Administrative claims data and electronic health record (EHR) data transmitted electronically to NCHS or its data collection agent.
- **Questionnaire:** Annual Hospital Interview collects facility information needed for statistical weighting.
- **Data collection:** January-December annually, restricted use files.
- **Sample size:** 608 hospitals; all inpatient and ED encounters (i.e., entire calendar year) requested.
- **Unique feature:** Personally identifiable information is collected, which allows data linkage across hospital settings and to external data sources such as the NDI, CMS, and HUD data.



COVID-19 hospital encounters by week

Tabulated data show the percentage of confirmed, suspected, and potential COVID-19 and non-COVID-19 encounters over time, among all ED or inpatient encounters in the reporting hospitals. Data are presented for each setting (inpatient and ED) and for each week, by age and sex.



COVID-19 in hospitals by urban-rural location of the hospital by week

Tabulated data show the percentage of confirmed COVID-19 encounters, by hospital urban-rural location. Hospital location is grouped into three categories: large and fringe metropolitan area, medium and small metropolitan area, and rural area. Data are presented for each setting (inpatient and ED) and for each week.



COVID-19 screenings at hospitals by week

Tabulated data show the percentage of all hospitals encounters with a COVID-19 screening conducted in the hospital. Data are presented for each setting (inpatient and ED) and for each week, by age and sex. Additionally, the percentage of positive and negative screenings among total COVID-19 screenings are shown for each week, by age and sex.



Intubation or ventilator use in the hospital among confirmed COVID-19 inpatient admissions by week

Tabulated data show the percentage of confirmed COVID-19 inpatient admissions that involved intubation or ventilator use at any time during hospitalization. Weekly data are presented by age and sex.



In-hospital mortality among hospital confirmed COVID-19 encounters by week

Tabulated data show the percentage of confirmed COVID-19 encounters in which an in-hospital death occurred. Data are presented for each setting (inpatient and ED) and for each week, by age and sex. Additionally, data show the percentage of in-hospital deaths among confirmed COVID-19 admissions, with and without intubation or ventilator use. Lastly, data presented show the average length of stay among COVID-19 inpatient admissions by intubation or ventilator use and in-hospital mortality status.



Co-occurrence of other respiratory illnesses for hospital confirmed COVID-19 encounters by week

Tabulated data show the percentage of hospital confirmed COVID-19 encounters with the co-occurrence of other respiratory illnesses. Data are presented for each setting (inpatient and ED) and for each week, by age and sex.

Preliminary 2020 data available by week released February 2021.

Preliminary January-May 2021 data added September 2021.

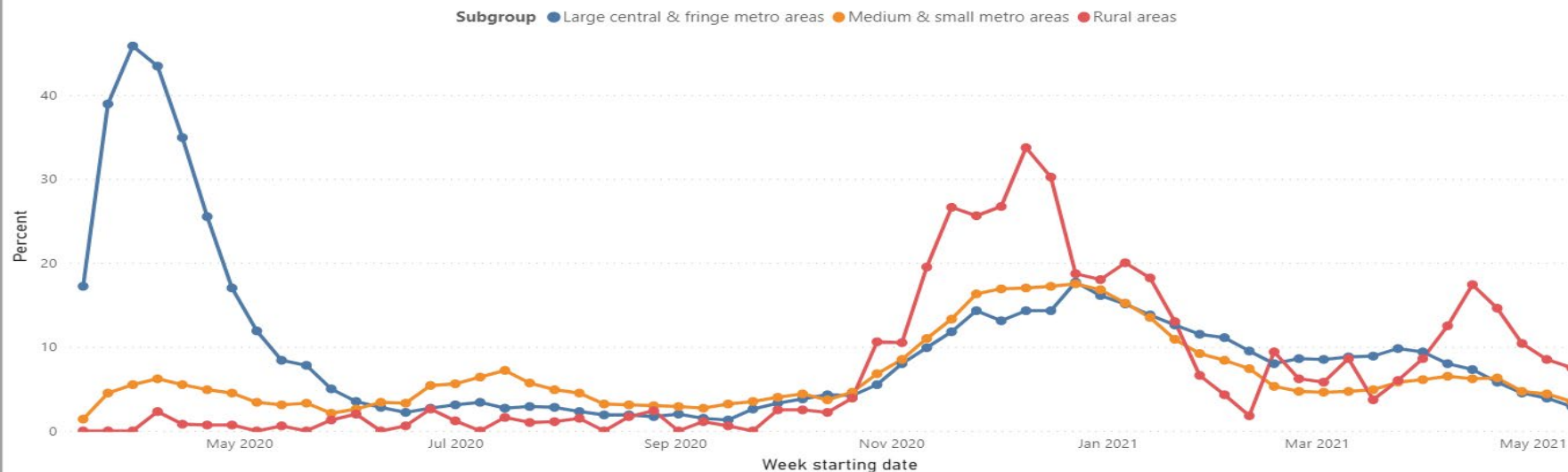
<https://www.cdc.gov/nchs/covid19/nhcs.htm>

Example of NHCS preliminary data

Percentage of encounters with a confirmed COVID-19 status from selected hospitals, by hospital urban-rural location and week

Select setting

Inpatient



NOTE: Data are not nationally representative.

SOURCE: National Center for Health Statistics, National Hospital Care Survey, 2020-2021

National Post-Acute and Long-term Care Survey (NPALS)

- **Purpose:** Monitors trends in the supply, provision, and use of the major sectors of paid, regulated long-term care services.
- **Sample:** Adult day services center (ADSC) licensed by the state or certified to participate in Medicaid; Residential care communities (RCC) licensed or certified by the state, with 4 or more beds, providing two meals a day and around-the clock on-site supervision and help with activities of daily living.
- **Mode:** CMS administrative data purchased for hospice agencies, nursing homes, home health agencies, inpatient rehabilitation hospitals and long-term care hospitals. Primary multi-mode data collection (web, mail, telephone follow-up) for ADSCs and RCCs.
- **Questionnaire:** Provider questionnaire (provider and services user characteristics aggregated at the provider level). Services user questionnaire in alternate years.
- **Data collection:** Every two years, public use files only in 2018 (NSLTCP) and restricted use files.
- **Sample size:** ADSCs= ~5,550; RCCs=~11,600.

Long-term Care Settings



Residential Care Communities (RCC)

The data used in these figures are considered preliminary and the results may change after the release of the final 2020 NPALS data file, which will be updated in 2022. Data represent RCCs and not individuals. Topics covered in these figures include the number of COVID-19 cases, hospitalizations, and deaths among residents and staff, practices taken to reduce COVID-19 exposure and transmission, and personal protective equipment (PPE) shortages. The figures can display different groups depending on the measure of interest.



Adult Day Services Centers (ADSC)

The data used in these figures are considered preliminary and the results may change after the release of the final 2020 NPALS data file, which will be updated in 2022. Data represent ADSCs and not individuals. Topics covered in these figures include the number of COVID-19 cases, hospitalizations, and deaths among participants and staff, practices taken to reduce COVID-19 exposure and transmission, and personal protective equipment (PPE) shortages. The figures can display different groups depending on the measure of interest.

Preliminary data released August 2021

<https://www.cdc.gov/nchs/covid19/npals.htm>

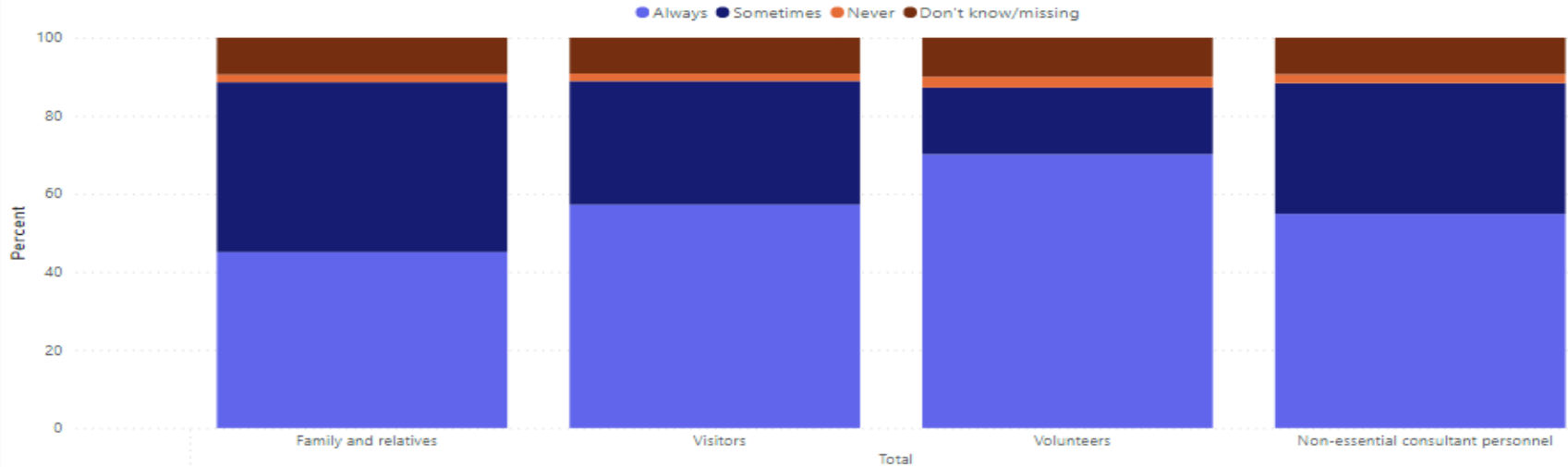
Example of preliminary data for RCCs

Percent of residential care communities that imposed in-person restrictions since January 2020 through March 2021

Select group

Total

Total



SOURCE: National Center for Health Statistics, National Post-acute and Long-term Care Study, 2020

Bar Chart

Data Table

Example of preliminary data for ADSCs

Number of COVID-19 cases, hospitalizations, and deaths among adult day services center participants and staff since January 2020 through March 2021

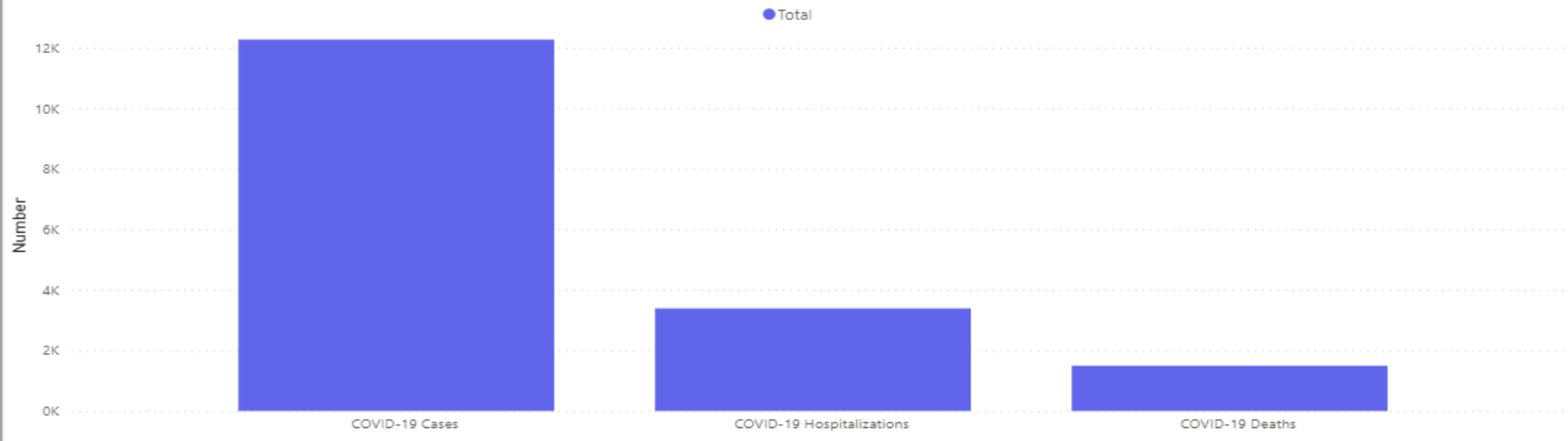
Select population

Participant

Select group

Total

Participant, Total



NOTE: Hover over the bars for COVID-19 Hospitalizations or COVID-19 Deaths to display the percentage of COVID-19 cases that resulted in hospitalization or death.

SOURCE: National Center for Health Statistics, National Post-acute and Long-term Care Study, 2020

Bar Chart

Data Table


Links for preliminary NHCS and NPALS Data Added to CDC COVID Tracker Webpages

COVID Data Tracker

United States
At a Glance

Cases Total **43,605,623**
Last 30 Days 

Deaths Total **700,176**
Last 30 Days 

75.9% of People 12+ with At Least One Vaccination 

Community Transmission **High** 

Data Tracker Home

COVID Data Tracker Weekly Review

Your Community +

Health Equity Data

Pediatric Data

Vaccinations +

Cases, Deaths, and Testing +

Demographic Trends +

Health Care Settings -

About Health Care Setting Data

About Health Care Setting Data Available Hospital & Long-term Care Data

[Unified Hospital Dataset](#)

[Coronavirus Disease 2019 \(COVID-19\)-Associated Hospitalization Surveillance Network \(COVID-NET\)](#)

[National Healthcare Safety Network \(NHSN\) Long-term Care Facility \(LTCF\) Component COVID-19 Module](#)

[National Syndromic Surveillance Program \(NSSP\)](#)

[National Hospital Care Survey \(National Center for Health Statistics\)](#)

[Premier Healthcare Database Special COVID-19 Release \(PHD-SR\)](#)

[CDC Case Surveillance Data](#)

[National Post-acute and Long-term Care Study \(NPALS\): Preliminary data from the Adult Day Services Centers \(ADSC\) and Residential Care Communities \(RCC\) components](#)

National Ambulatory Medical Care Survey (NAMCS)

- **Purpose:** Designed to meet the need for objective, reliable information about the provision and use of ambulatory medical care services in the United States.
- **Sample:** Physicians classified by the AMA and AOA as providing office-based care; not federally employed and not in the specialties of anesthesiology, radiology, or pathology. Community Health Centers from listing maintained by HRSA.
- **Mode:** In-person induction interviews and on-site medical record abstraction for a sample of patient visits; conducted by U.S. Bureau of the Census field representatives (FRs).
- **Questionnaire:** Computerized induction questionnaire obtains data about characteristics of the physician and practice. Standardized form used for record abstraction.
- **Data collection:** Covers January–December annually, public and restricted use files.
- **Sample size:** 3,000 office-based physicians, 104 community health centers.

Coming Soon...Physician Experiences Related to COVID-19

NAMCS Physician Induction Interview during COVID-19



Shortages of Personal Protective Equipment (PPE)

Tabulated data show the percentage of office-based physicians who experienced shortages of PPE at their office during the COVID-19 pandemic.



Experiences Related to COVID-19 at Physician Offices

Tabulated data show office-based physicians' experiences related to COVID-19, including the percentage with the ability to test for COVID-19, the percentage who had to turn away or refer elsewhere COVID-19 patients, and the percentage with any providers in their office testing positive for COVID-19.



Physician Telemedicine or Telehealth Technology Use

Tabulated data show the percentage of office-based physicians who used telemedicine or telehealth technology before and after the start of the COVID-19 pandemic.

Moving forward

- Plan to continue to release preliminary data and estimates on COVID-19 for NHCS, NPALS, and NAMCS office-based physicians.
- Looking beyond COVID-19 to releasing preliminary data on other selected topics, including opioid-involved hospitalizations and other emergent topics.

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Thank You!

