Long-Term Care Data Collection Update
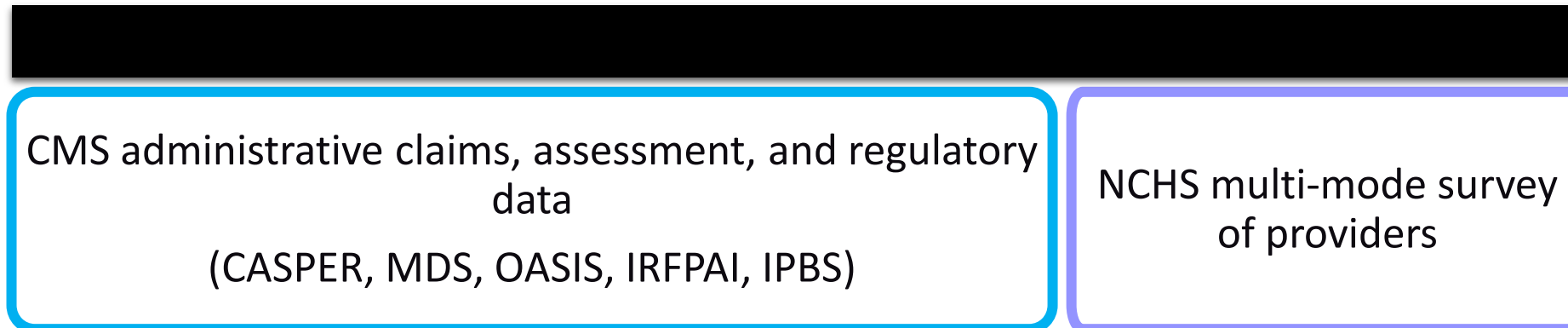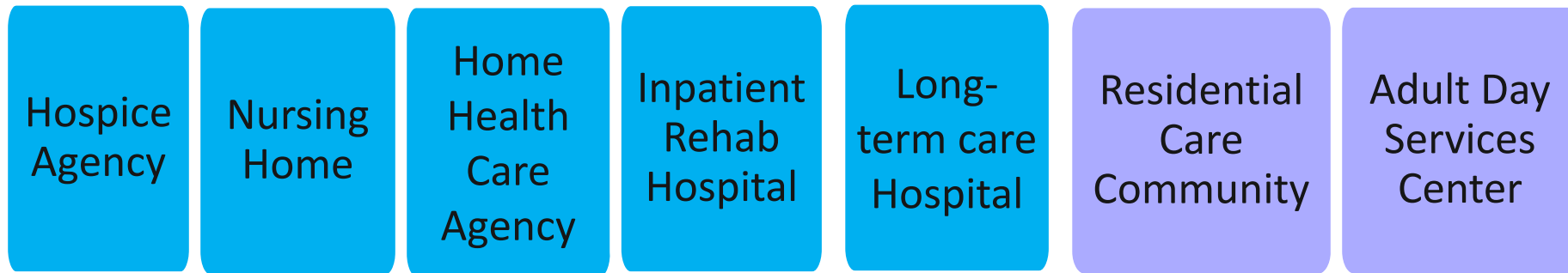
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Meeting of the Board of Scientific Counsellors, National Center for Health Statistics

September 14, 2023

National Post-acute and Long-term Care Study
(formerly National Study of Long-Term Care Providers)

Hospice Agency	Nursing Home	Home Health Care Agency	Inpatient Rehab Hospital	Long-term care Hospital	Residential Care Community	Adult Day Services Center

CMS administrative claims, assessment, and regulatory data

(CASPER, MDS, OASIS, IRFPAI, IPBS)

NCHS multi-mode survey of providers

2022 NPALS

Survey fielding

- September 2022 – March 2023
- Sample of 2088 residential care communities and 1660 adult day services centers
- Response rates: 40% for ADSCs and 36% for RCCs

Fielding challenges

- Pre-COVID staffing shortages
- Out of business and ineligible: ADSCs (40%); RCCs (36%)
- Difficulty reaching respondents via phone and missed appointments

Data files

- Weights and edits
- Restricted data files to be released by the end of the year
- Public use files to be released next year

Utilizing New and Timely Manners of Data Dissemination

COVID-19 and Long-term Care

Long-term Care Settings

Residential Care Communities (RCC)

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)

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.

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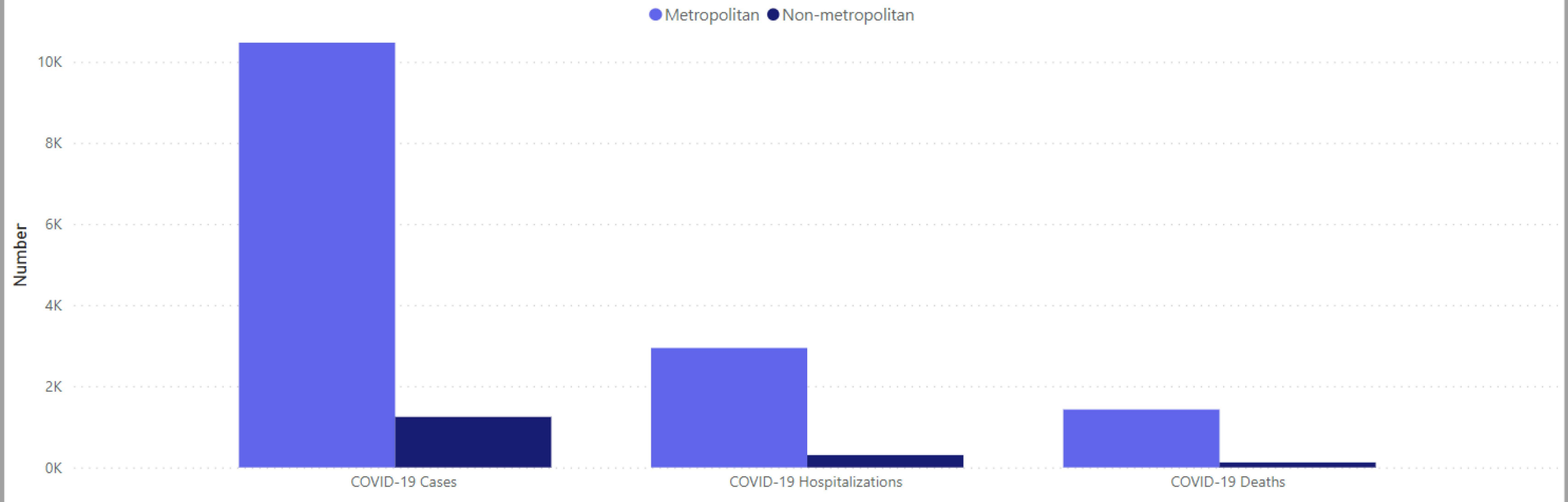
Select population

Participant ▾

Select group

Metropolitan Statistical Area ▾

Participant, Metropolitan Statistical Area

● Metropolitan ● Non-metropolitan

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**

National Post-acute and Long-term Care Study

Biennial Overview of Post-acute and Long-term Care in the United States

Print

Data from the 2020 National Post-acute and Long-term Care Study

The NCHS National Post-acute and Long-term Care Study (NPALS) collects data on post-acute and long-term care providers every two years. The goal is to monitor post-acute and long-term care settings with reliable, accurate, relevant, and timely statistical information to support and inform post-acute and long-term care services policy, research, and practice. These data tables provide an overview of the geographic, organizational, staffing, service provision, and user characteristics of paid, regulated long-term and post-acute care providers in the adult day services centers (ADSCs) and residential care communities (RCCs) in the United States.

These tables and a forthcoming *National Health Statistics Report (NHSR)* replace the previous report 📕 , which was published for 2012, 2014, 2016, 2018 National Study of Long-Term Care Providers (NSLTCP), now renamed NPALS. The associated online survey methodology documentation 📕 , questionnaires and ReadMe documents provide more background about the providers, characteristics, and methodology in NPALS. These data are available as restricted data files in the NCHS Restricted Data Center. For details about the measures used in these tables, see the NPALS Variable Crosswalk 📕 .

The tables are interactive and data users can choose to display estimates for all the characteristics by provider type or can choose to display estimates for selected characteristics and selected provider types.

On This Page

Table 1: Post-acute and Long-term Care Providers by Geographic and Organizational Characteristics: United States, 2020-2021

Table 2: Staffing Characteristics of Post-acute and Long-term Care Services Providers, by staff type: United States, 2020-2021

Table 3: Types of Services Offered by Post-acute and Long-term Care Services Providers: United States, 2020-2021

Table 4: Post-acute and Long-term Care User Demographic and Health-related Characteristics: United States, 2020-2021

Technical Notes

Table 1: Post-acute and Long-term Care Providers by Geographic and Organizational Characteristics: United States, 2020

This table shows the number and percent of providers with the following geographic and organizational characteristics. Definitions of each of these characteristics by provider-type is available from the NPALS Variable Crosswalk 📄 .

Post-acute and Long-term Care Settings by Geographic and Organizational Characteristics, 2020

Select Geography	Select Provider Characteristic	Select Setting
National ⌄	All ⌄	All ⌄

	Adult Day Services Center		Residential Care Community	
	Estimate	95% CI	Estimate	95% CI
Number				
Capacity [1]				
Average licensed maximum capacity or number of beds	71	(69-73)	39	(38-41)
Total licensed maximum capacity or total number of beds	294,000	(285,900-302,200)	1,197,600	(1,154,900-1,240,300)
Number of people served [2]				
Annual average	...	...	...	...
Daily average	40	(38-42)	27	(26-28)
Number of providers				
Number of providers	4,130	(4,120-4,134)	30,600	(30,300-30,800)
Percent				
Certification				
Medicaid	72.1	(70.6-73.5)	43.6	(41.7-45.4)
Medicare	...	...	...	...
Chain affiliated				
Chain affiliated	40.1	(38.4-41.9)	61.4	(59.2-63.6)
Metropolitan statistical area status				

... Category not applicable.
[1] For adult day services centers, capacity is based on licensed maximum capacity. For RCCs, capacity is based on number of licensed or certified beds.
[2] For ADSCs, number of people served is based on average number of participants in attendance on any given day. For RCCs, it is based on current number of residents on any given day.
[3] For ADSCs and RCCs, categories of number people served are defined as: 1=1-25 users; 2=26-100 users; and 3=101 and over users.

Moving forward…

Moving to EHR data and modernizing…

Environmental scan to assess whether NPALS data elements can be extracted from commercial EHR platforms or systems for residential care communities (RCCs) and adult day service centers (ADSCs).

There is potential for using EHR data to support the survey process, but…

- Not much regulation and data from states

- Commercial EHRs data may require a high level of effort and will not be nationally representative

- Programming and automating capture would be required as well as the creation of a database for storage

Next steps…

With additional funding …

- Work to align survey content with data elements and standards for EHRs found in the US Core Data for Interoperability (USCDI).

- Build on Data Already Collected and Reported—EHRs (e.g., PointClick Care)

- Evolve Survey Questions on EHR and Health IT Use

- Test Different Approaches for Data Extraction and Reporting
  - o Data extraction by vendors for survey respondents to complete the survey
  - o Respondents generate their own EHRs reports to complete the survey
  - o Vendor-supported queries of EHR data to obtain reports to complete survey
  - o Development of standardized approaches to report survey data
  - o Explore testing with HIE organizations that includes NPALS settings data

Pilot study of direct care workers

Purpose -Builds upon the NCHS NPALS infrastructure to design and test a sampling protocol, questionnaires, and contact strategies to be used in a national DCW survey in the future

Sample

- 100 direct care workers from NH, ADSC, and RCC (Total 300)

- Employees and contractors

- two-stage probability sampling design - First, facilities will be selected, and second, DCWs will be selected from the sampled facilities.

Protocol

- Telephone calls to providers to sample direct care workers

- Mail and Web Questionnaires

- Technical Expert Panel Meeting on Dec 6, 2022

More information….

National Post-acute and Long-term Care Study

[National Post-acute and Long-term Care Study Homepage (NPALS) (cdc.gov)](#)

Long-Term Care Dashboard: Biennial Overview of Post-acute and Long-term Care in the United States

[NPALS - Study Publications and Products (cdc.gov)](#)

For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348   www.cdc.gov

Questions for the BSC

Can NPALS eliminate the administrative data component?

Pros

- Save resources
- Focus on survey components which are the only source of data on ADSCs and RCCs
- Add new sectors

Cons

- No comparisons across the spectrum of LTC sectors