

# Characteristics of Adult Day Services Centers and Participants in the United States and California: Findings from the 2014 NSLTCP

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Long-Term Care Statistics Branch

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# Presentation Goals

- To share key findings about California adult day services centers and their participants using data from the 2014 NSLTCP.
- Review key changes coming to the 2016 Adult Day Services Center questionnaire
- To increase 2016 NSLTCP participation among California adult day services providers.

# Overview

## National Study of Long-Term Care Providers

National Health Care Surveys



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Centers for Disease Control and Prevention  
National Center for Health Statistics

- Sponsored by CDC's National Center for Health Statistics
- Integrated initiative to monitor trends in paid, regulated long-term care
- Five sectors
  - adult day services centers and participants
  - home health agencies and patients
  - hospices and patients
  - nursing homes and residents
  - residential care communities and residents

# Provider Association Supporters



# Primary Study Goals

1. Estimate supply and use of paid, regulated long-term care services
2. Estimate key policy-relevant characteristics of providers and service users, and practices of providers
3. Produce national and state-level estimates, where possible
4. Compare within and between sectors
5. Examine trends over time

# Adult Day Services Centers (ADSCs)- Eligibility criteria

- Included in the National Adult Day Services Association's data base and in operation as of March 2014;
- Licensed or certified by State specifically to provide adult day services or authorized or otherwise set up to participate in Medicaid;
- One or more average daily attendance of participants based on a typical week; and
- One or more participants enrolled at the center at the location at the time of the survey.

# Upcoming Publications and Product Releases

- 2013-2014 NSLTCP Overview Report
- 2014 ADSC data briefs of center operating characteristics and of participants
- State estimate tables that compliment overview report and data briefs
- Quickstats
- Presentations with national and state results
- Compendium of maps and figures using data from 2012 and 2014 survey waves

# NSLTCP State Estimates

- State estimates have been collected for the 2012 and 2014 survey waves, and will be collected for the 2016 NSLTCP survey wave.
- 2012 state estimates are available online:  
[http://www.cdc.gov/nchs/nsltcp/nsltcp\\_webtables.htm](http://www.cdc.gov/nchs/nsltcp/nsltcp_webtables.htm)
- 2014-2015 Overview Report and ADSC Data Brief state estimate tables are currently in production—planned release in early 2016.
- In 2018, NCHS will be collecting national estimates only.



# State Estimate Comparison Tool

**Estimate Comparison Guide for NCHS Data Brief #165 State Estimate Tables**

<b>Findings among adult day centers from the 2012 National Study of Long Term Care Providers</b>	<b>All Centers in the United States</b>	<b>Your State</b>	<b>Your Center</b>
For profit ownership	40%		
Average Daily Attendance	39		
Chain Affiliated	41%		
In operation 10+ years	60%		
Serve one or more participants whose long-term care services in the past 30 days was paid by Medicaid	87%		
Screened participants for cognitive impairment	59%		
Provided specific programs for Alzheimer's disease or other dementias	73%		
Screened participants for depression	20%		
Provided depression disease-specific programs for their participants	58%		
Provided skilled nursing services	70%		

Table Design: Teresa Johnson, National Adult Day Services Association

Data Source: CDC/NCHS, 2014 National Study of Long-Term Care Providers,

# State Estimate Narrative Tool

## According to the National Study of Long-Term Care Providers, in 2012

- \_\_\_% of adult day services centers in \_\_\_ were of for-profit ownership, compared with 40% of centers nationally.
- The average daily attendance for adult day services centers in \_\_\_ was \_\_\_, compared with 39 for centers nationally.
- \_\_\_% of centers in \_\_\_ were chain affiliated, compared with 41% of centers nationally.
- \_\_\_% of centers in \_\_\_ were in operation for 10 or more years, compared with 60% of centers nationally.
- \_\_\_% of centers in \_\_\_ served any (i.e., one or more) participants whose long-term care services in the past 30 days was paid by Medicaid, compared with 87% of centers nationally.
- \_\_\_% of centers in \_\_\_ screened participants for cognitive impairment, compared with 59% of centers nationally.
- \_\_\_% of centers in \_\_\_ provided Alzheimer's disease or other dementias-specific programs for their participants, compared with 73% of centers nationally.
- \_\_\_% of centers in \_\_\_ screened participants for depression, compared with 20% of centers nationally.

# 2014 ADSC Measures and Topics

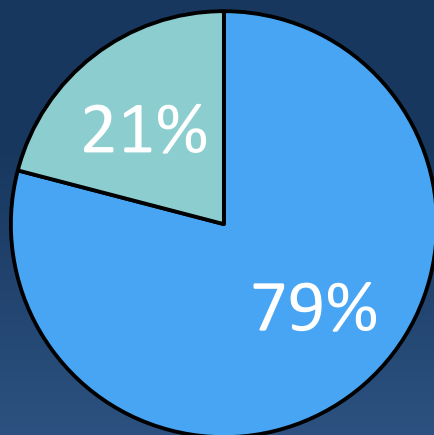
- To learn more about the adult day services center measures included in this presentation and how they were derived, please visit the following links:
  - **Questionnaires and Methodology Documentation Website:**  
[http://www.cdc.gov/nchs/nsltcp/nsltcp\\_questionnaires.htm](http://www.cdc.gov/nchs/nsltcp/nsltcp_questionnaires.htm)
  - **2014 ADSC Questionnaire PDF Document:**  
[http://www.cdc.gov/nchs/data/nsltcp/2014\\_NSLTCP\\_Adult\\_Day\\_Services\\_Center\\_Questionnaire.pdf](http://www.cdc.gov/nchs/data/nsltcp/2014_NSLTCP_Adult_Day_Services_Center_Questionnaire.pdf)
  - **2014 ADSC Readme PDF Document:**  
[http://www.cdc.gov/nchs/data/nsltcp/NSLTCP\\_2014\\_ADSC\\_Readme\\_RDC\\_Release.pdf](http://www.cdc.gov/nchs/data/nsltcp/NSLTCP_2014_ADSC_Readme_RDC_Release.pdf)
  - **2014 NSLTCP Survey Methodology PDF Document:**  
[http://www.cdc.gov/nchs/data/nsltcp/NSLTCP\\_2014\\_survey\\_methodology\\_and\\_documentation.pdf](http://www.cdc.gov/nchs/data/nsltcp/NSLTCP_2014_survey_methodology_and_documentation.pdf)

# Provider Characteristics

Selected results from the United States  
and California

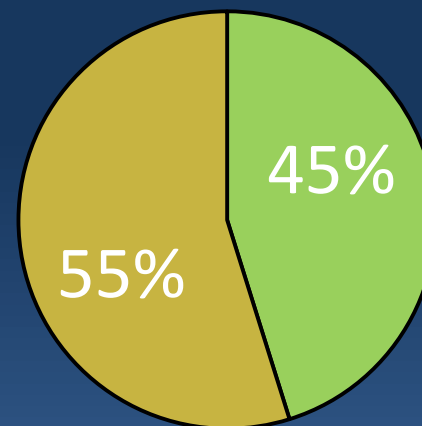
# Percentage of Adult Day Services Centers That Primarily Served Participants with a Diagnosis of Intellectual Or Other Developmental Disabilities: 2014

## United States



- Do not primarily serve IDD
- Primarily serve IDD

## California



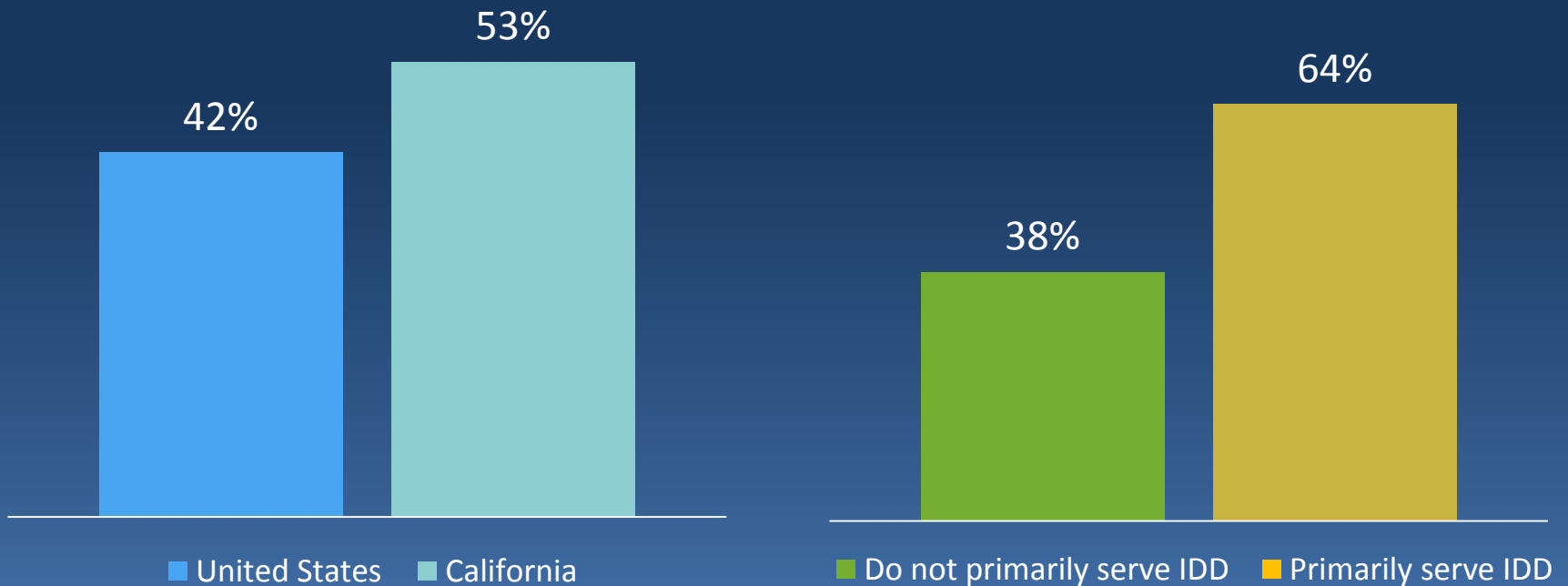
- Do not primarily serve IDD
- Primarily serve IDD

Notes: "Centers that primarily served participants with a diagnosis of intellectual or other developmental disabilities" —Based on a prevalence of 80% or greater within the center. The methodology used to determine the cutoff for centers that primarily served participants with this diagnosis was derived from a recent study: "Anderson KA, Park JH, Monteleone RG, Dabelko-Schoeny HI. Heterogeneity within adult day services: a focus on centers that serve younger adults with intellectual and developmental disabilities. *Home health care services quarterly*. 2014;33(2):77-88."

# Percentage of Adult Day Services Centers Owned by a Chain: 2014

Among all centers:

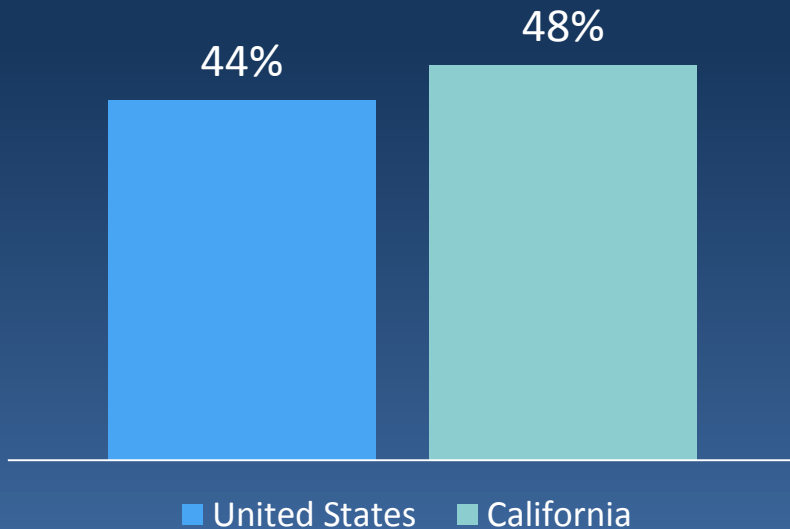
Among California centers only:



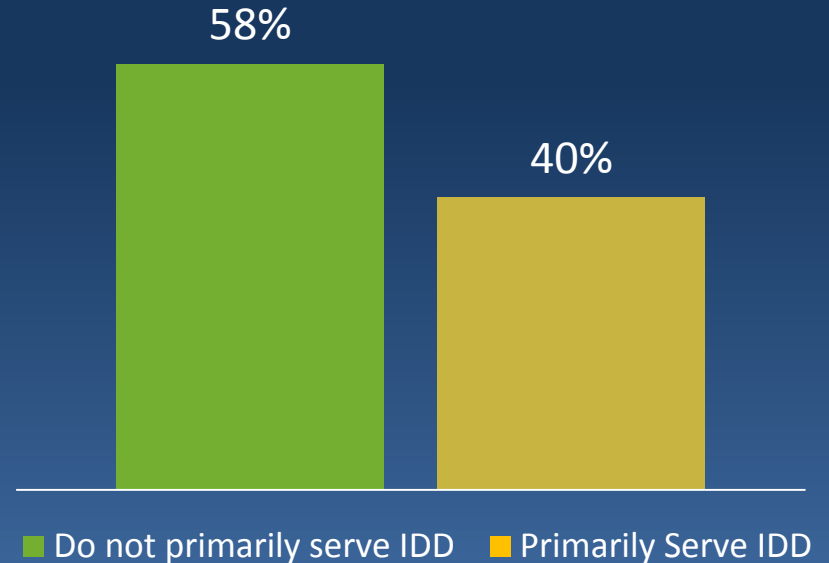
Notes: Differences between the United States and California, and between California centers that do not primarily serve participants with a diagnosis of IDD and California centers that primarily serve participants with a diagnosis of IDD are statistically significant at the  $p < .05$  level of significance.

# Percentage of For-Profit Adult Day Services Centers: 2014

Among all centers:



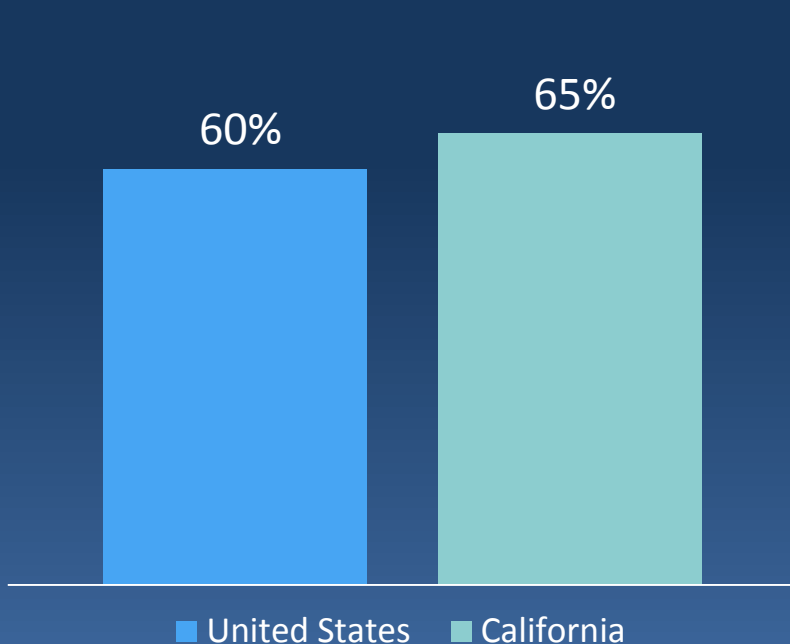
Among California centers only:



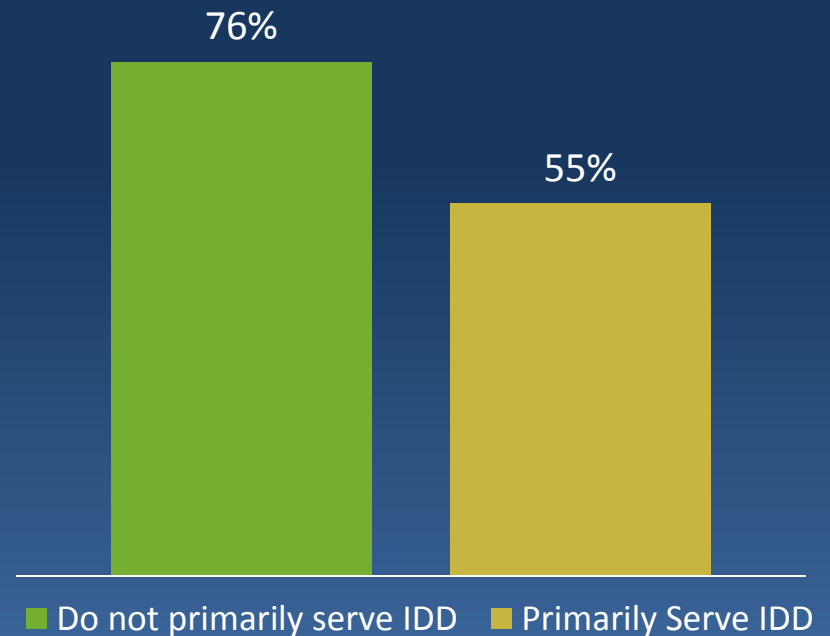
Notes: Differences between the United States and California, and between California centers that do not primarily serve participants with a diagnosis of IDD and California centers that primarily serve participants with a diagnosis of IDD are statistically significant at the  $p < .05$  level of significance.

# Percentage of Adult Day Services Centers In Operation For 10 or More Years: 2014

Among all centers:



Among California centers only:



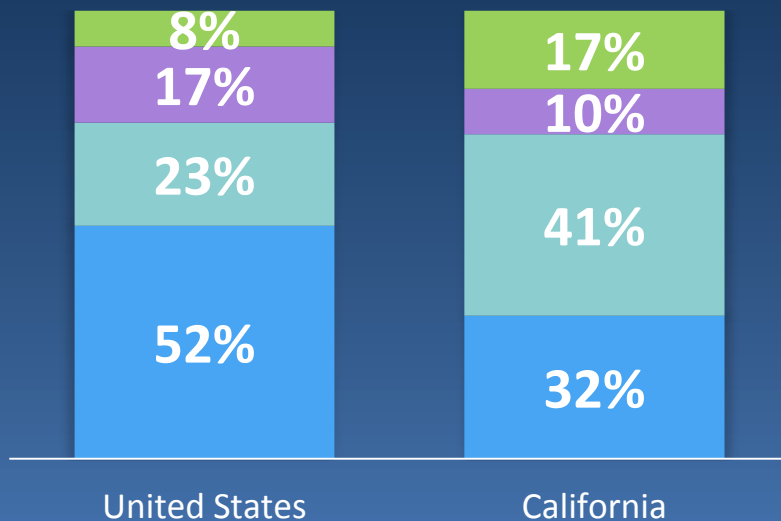
Notes: Differences between the United States and California, and between California centers that do not primarily serve participants with a diagnosis of IDD and California centers that primarily serve participants with a diagnosis of IDD are statistically significant at the  $p < .05$  level of significance.



# Percentage of Adult Day Services Center Revenue from Paid Participant Fees: 2014

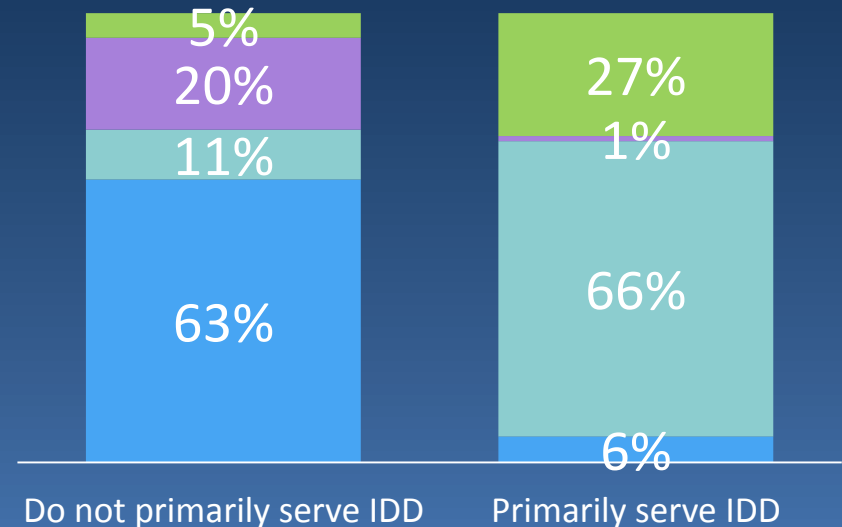
## Among all centers:

- Other sources
- Private sources (out of pocket and private insurance)
- Other government sources (includes Medicare)
- Medicaid



## Among California centers only:

- Other sources
- Private sources (out of pocket and private insurance)
- Other government sources (includes Medicare)
- Medicaid

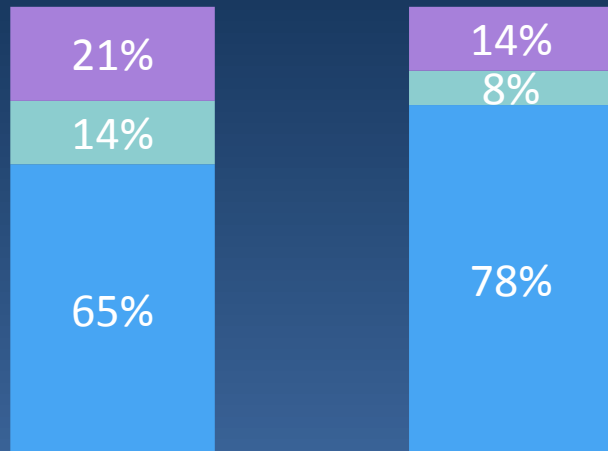


Notes: Differences between the United States and California, and between California centers that do not primarily serve participants with a diagnosis of IDD and California centers that primarily serve participants with a diagnosis of IDD are statistically significant at the  $p < .05$  level of significance for all sources of revenue. Percentages are based on unrounded numbers. Estimates may not add up to totals because of rounding.

# Nursing Staff Skill-Mix: As a Percentage of Total Nursing Staff Hours Per Participant Per Day: 2014

## Among all centers:

- Registered Nurse
- Licensed Practical or Vocational Nurse
- Aide

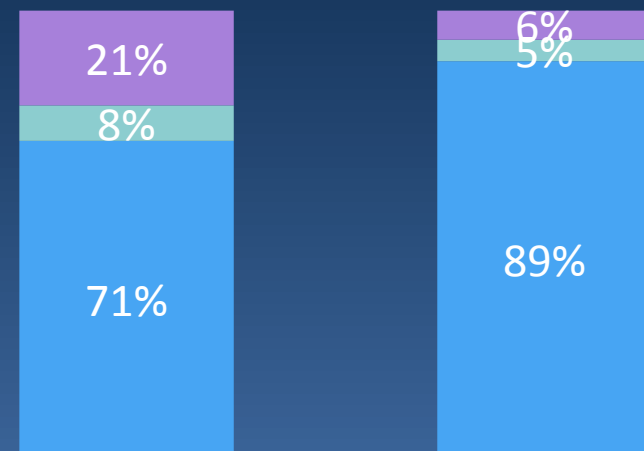


United States  
(1 hour and 27 minutes )

California  
(42 minutes )

## Among California centers only:

- Registered Nurse
- Licensed Practical or Vocational Nurse
- Aide



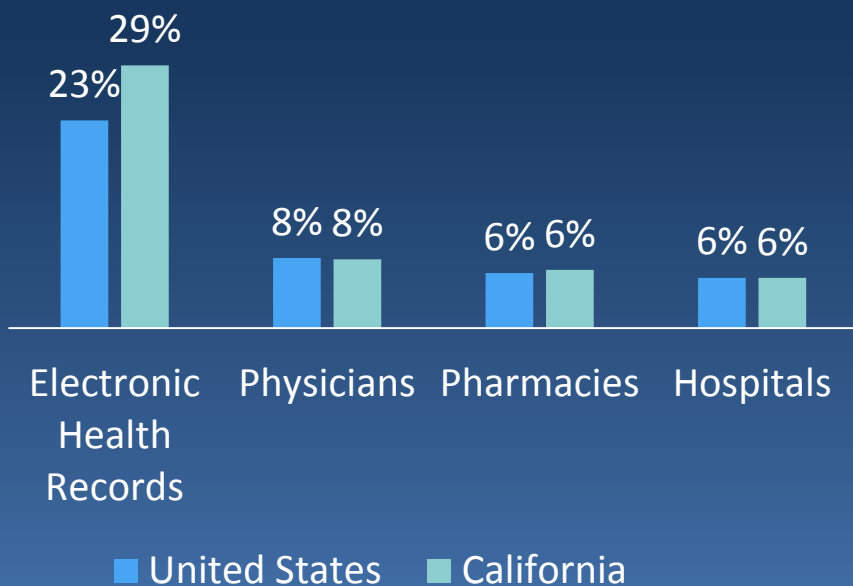
Do not primarily serve IDD  
(48 minutes)

Primarily serve IDD  
(37 minutes)

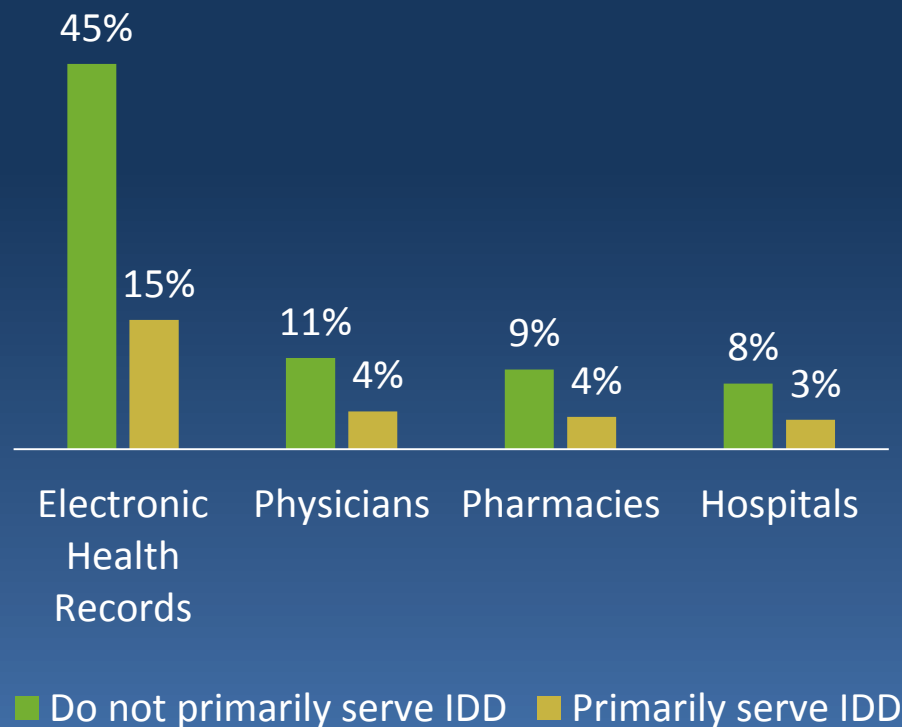
Notes: Differences between the estimates for the United States and California, and between California centers that do not primarily serve participants with a diagnosis of IDD and California centers that primarily serve participants with a diagnosis of IDD are statistically significant at the  $p < .05$  level for all types of nursing staff. Percentages are based on unrounded numbers. Estimates may not add up to totals because of rounding.

# Percentage of Centers That Use Electronic Health Records and Have Computerized Support for Electronic Health Information Exchange: 2014

Among all centers:



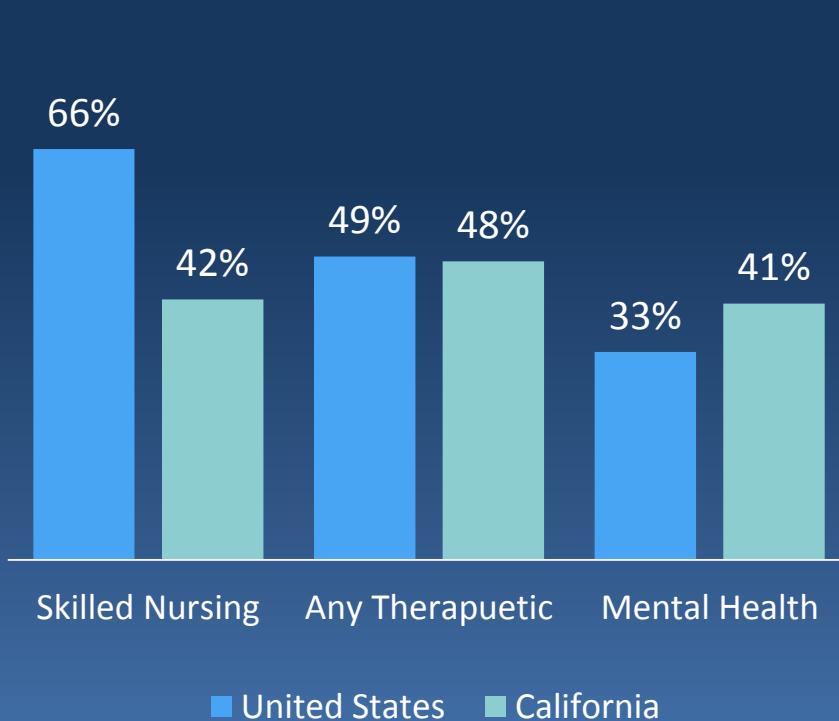
Among California centers only:



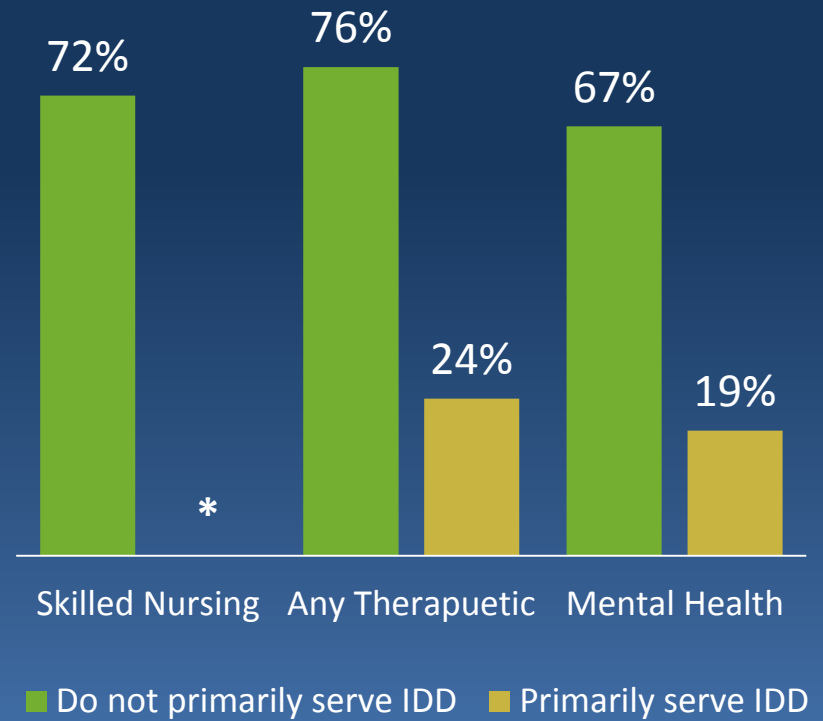
**Notes:** Differences between estimates for the United States and California are statistically significant at the  $p < .05$  level of significance for use of electronic health records. Differences between California centers that do not primarily serve participants with a diagnosis of IDD and California centers that primarily serve participants with a diagnosis of IDD are statistically significant at the  $p < .05$  level of significance for use of electronic health records and for all types of electronic health information exchange.

# Percentage of Adult Day Services Centers That Provided Skilled Nursing, Any Therapeutic, and Mental Health Services: 2014

Among all centers:



Among California centers only:



\*Estimate is not displayed as it may pose a disclosure risk.

Notes: Differences between estimates for the United States and California are statistically significant at the  $p < .05$  level of significance for Skilled Nursing and Mental Health Services. Differences between estimates for California centers that do not primarily serve participants with a diagnosis of IDD and California centers that primarily serve participants with a diagnosis of IDD are statistically significant at the  $p < .05$  level of significance for all selected services.

## Compared to all centers across the United States in 2014, California centers...

- **Higher** percentage of chain centers
- **Higher** percentage of for-profit centers
- **Higher** percentage of centers in operation for more than 10 years
- **Lower** percentage of Medicaid revenue from paid participant fees
- **Higher** percentage of aide staff time
- **Higher** percentage of electronic health record use
- **Lower** percentage of centers provided skilled nursing services
- **Higher** percentage of centers provided mental health services

## In California, compared to centers that primarily served participants with a diagnosis of IDD, centers that did not primarily serve this population...

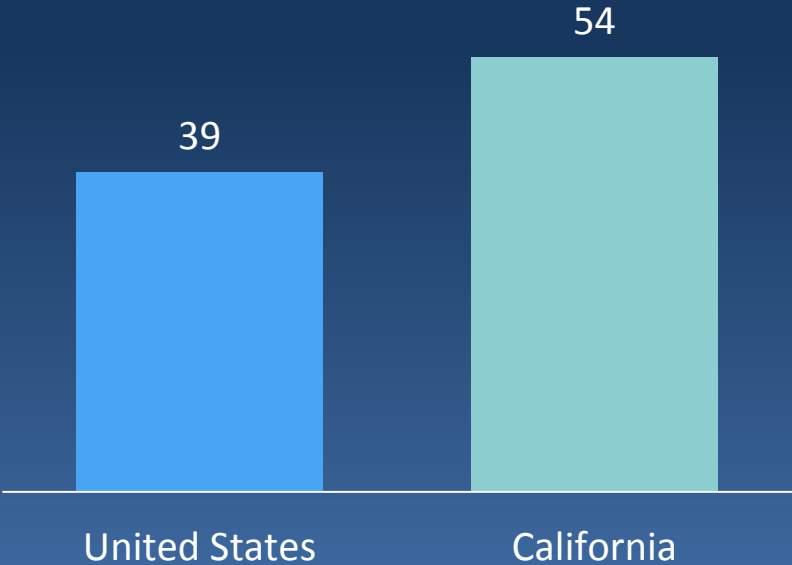
- **Lower** percentage of chain centers
- **Higher** percentage of for-profit centers
- **Higher** percentage of centers in operation for 10 or more years
- **Higher** percentage of Medicaid revenue from paid participant fees
- **Higher** percentage of registered nurse and licensed practical and vocational nurse staff time
- **Lower** percentage of aide staff time
- **Higher** percentage of electronic health record and health information exchange use
- **Higher** percentage of centers provided any therapeutic and mental health services

# Participant Characteristics

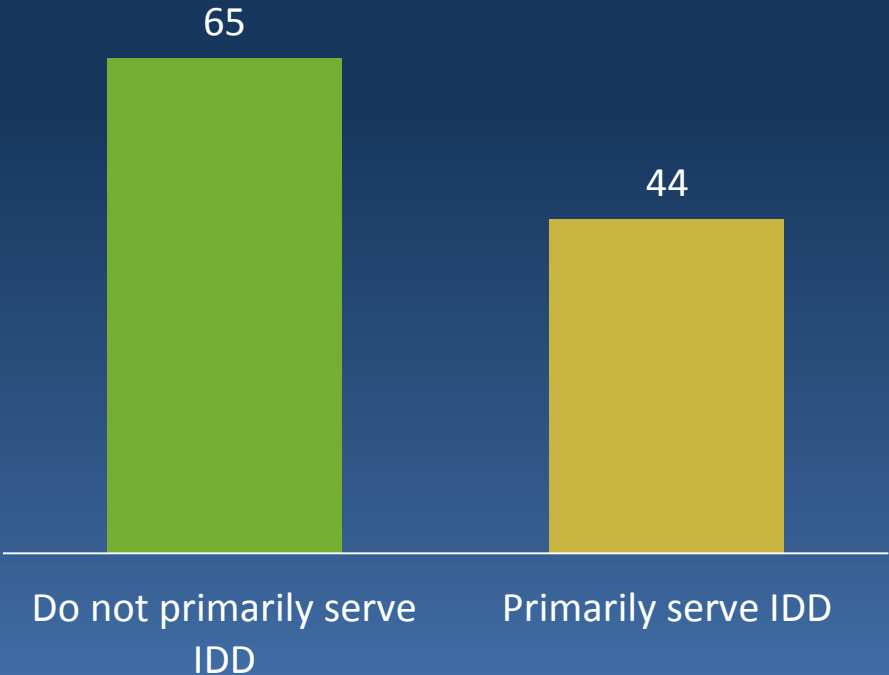
Selected results from the United States  
and California

# Average Daily Attendance of Participants Per Center: 2014

Among all centers:



Among California centers only:



Notes: Differences between the United States and California, and between California centers that do not primarily serve participants with a diagnosis of IDD and California centers that primarily serve participants with a diagnosis of IDD are statistically significant at the  $p < .05$  level of significance.



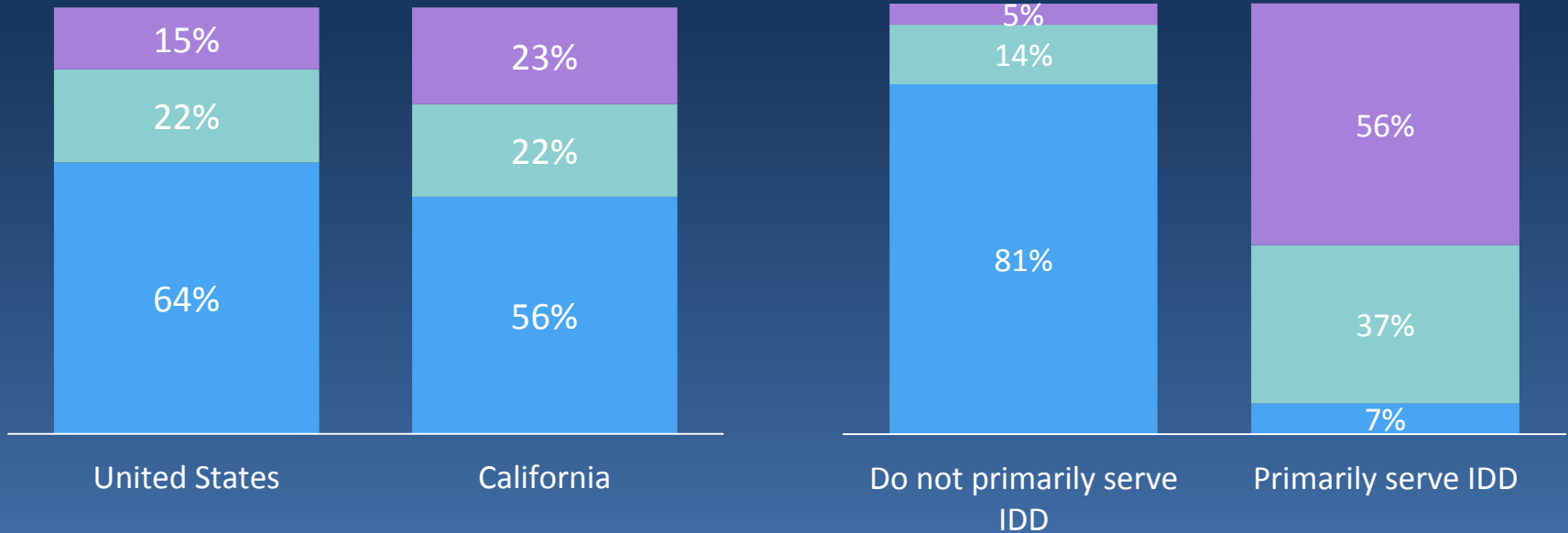
# Percentage of Adult Day Services Center Participants, by Age Group: 2014

## Among all centers:

## Among California centers only:

■ Aged 65 and over ■ Aged 45-64 ■ Aged 44 or less

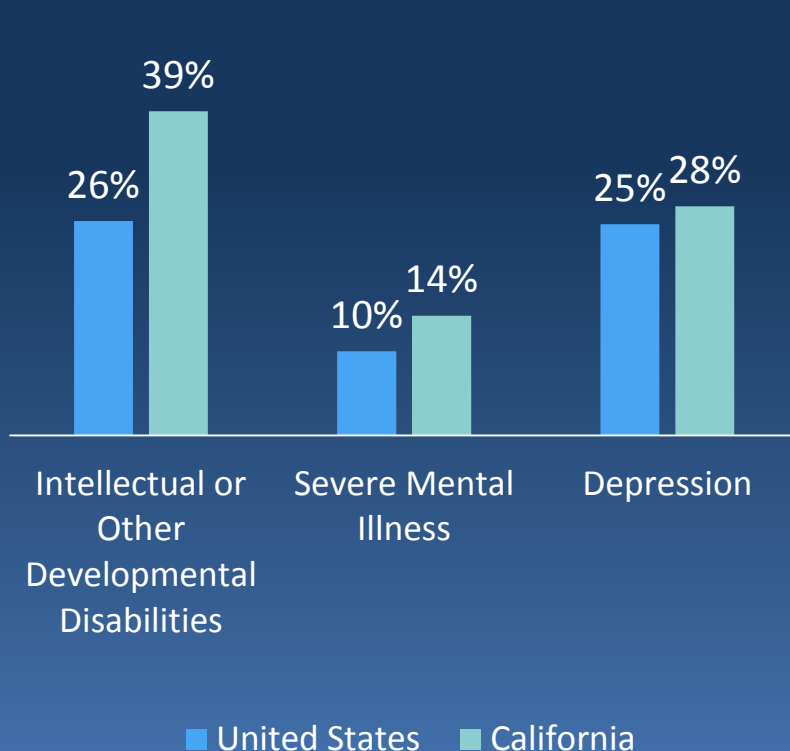
■ Aged 65 and over ■ Aged 45-64 ■ Aged 44 or less



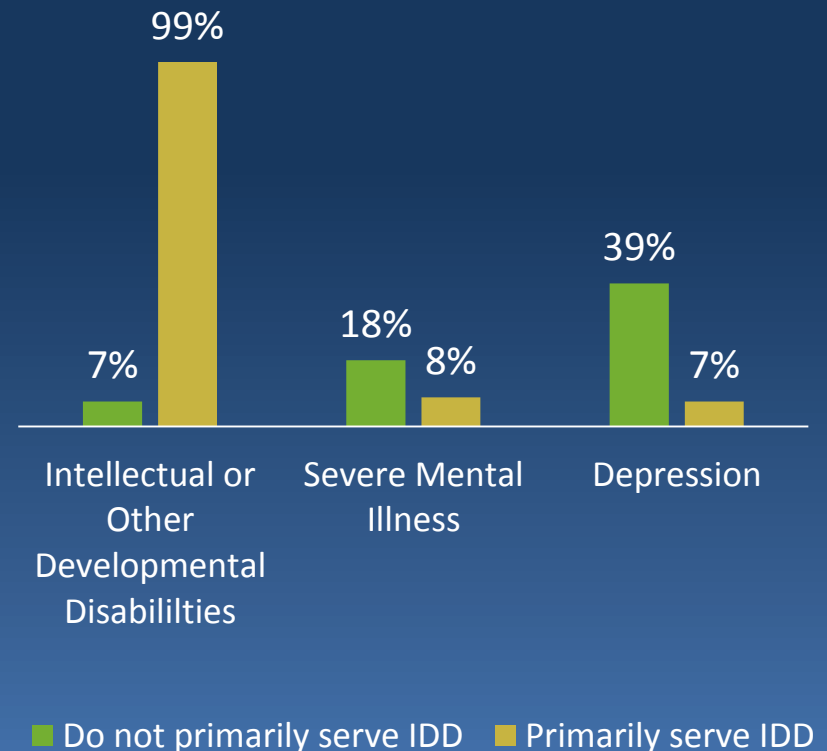
Notes: Differences between estimates for the United States and California are statistically significant at the  $p < .05$  level of significance for “aged 44 or less” and “aged 65 and over”. Differences between California centers that do not primarily serve participants with a diagnosis of IDD and California centers that primarily serve participants with a diagnosis of IDD are statistically significant at the  $p < .05$  level of significance for all age groups. Percentages are based on unrounded numbers. Estimates may not add up to totals because of rounding.

# Percentage of Adult Day Services Center Participants, by Selected Diagnoses: 2014

Among all centers:



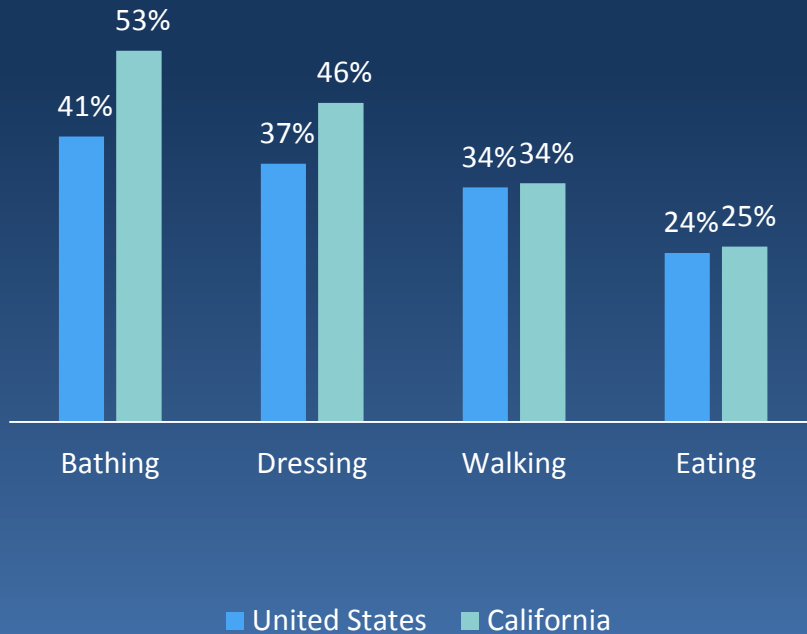
Among California centers only:



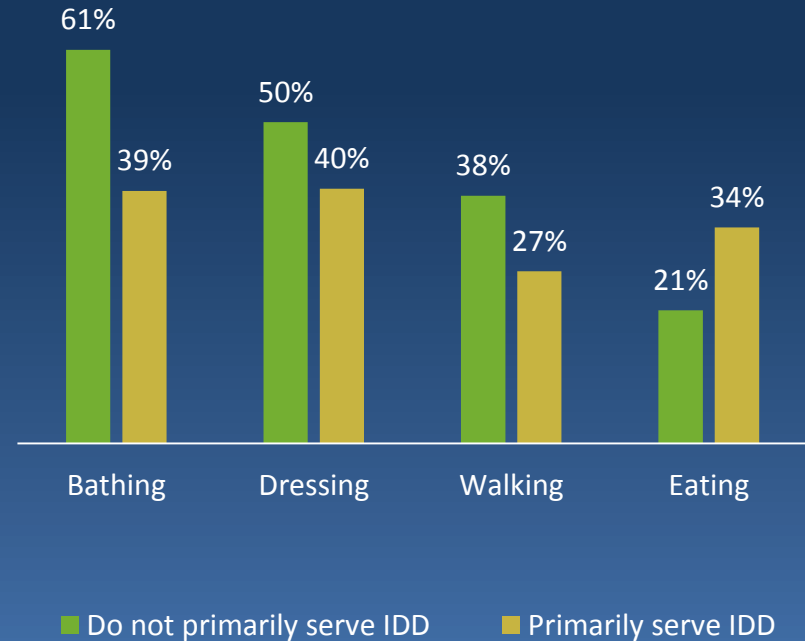
Notes: Differences between estimates for the United States and California are statistically significant at the  $p < .05$  level of significance for intellectual or other developmental disorders and severe mental illness. Differences between California centers that do not primarily serve participants with a diagnosis of IDD and California centers that primarily serve participants with a diagnosis of IDD are statistically significant at the  $p < .05$  level of significance across all diagnoses.

# Percentage of Adult Day Services Center Participants, by Assistance with Selected Activities of Daily Living: 2014

## Among all centers:



## Among California centers only:



Notes: Differences between estimates for the United States and California are statistically significant at the  $p < .05$  level of significance for bathing and dressing. Differences between California centers that do not primarily serve participants with a diagnosis of IDD and California centers that primarily serve participants with a diagnosis of IDD are statistically significant at the  $p < .05$  level of significance for all selected activities of daily living.

## Compared to centers across the United States in 2014, centers in California...

- Higher average daily attendance
- Higher percentage of participants aged 44 or less
- Higher percentage of participants with a diagnosis of IDD and SMI.
- Higher percentage of participants needing assistance with bathing and dressing

## **In California, compared to centers that primarily served participants with a diagnosis of IDD, centers that did not primarily serve this population...**

- Higher average daily attendance
- Higher percentage of participants aged 65 and over
- Lower percentage of participants with a diagnosis of intellectual or developmental disability
- Higher percentage of residents needing assistance with bathing, dressing, and walking
- Lower percentage of residents needing assistance with eating

2016 Adult Day Services Center Survey

2016 National Study of Long-Term Care  
Providers

# Acknowledgements

- The following slides contain draft questionnaire items that are currently being evaluated for inclusion/revision in the 2016 NSLTCP ADSC Questionnaire. NCHS appreciates feedback provided by these experts as we developed questionnaire content:
  - Teresa Johnson, Director (National Adult Day Services Association)
  - Lydia Missealides, Executive Director (California Association for Adult Day Services)
  - Peter Notarstefano, Director (Home and Community-Based Services, LeadingAge)
  - Keith A. Anderson, MSW, PhD (University of Montana)
  - Holly Dabelko-Schoeny, MSW, PhD (The Ohio State University)
  - Lisa Peters-Beumer, Assistant VP (Adult and Senior Services, Easter Seals)
  - Emily Rosenoff (HHS, Office of the Assistant Secretary for Planning and Evaluation)
  - Janet O'Keeffe (HHS, Office of the Assistant Secretary for Planning and Evaluation)
  - Anne Hill, Executive Director (New York Adult Day Health Care Council)

# Continuum of Service Delivery Models

7. Which **one** of the following best describes the participant needs that the **services of this center** are designed to meet?

## MARK ONLY ONE ANSWER

- ONLY social/recreational needs—NO health/medical needs.
- PRIMARILY social/recreational needs and SOME health/medical needs.
- EQUALLY social/recreational and health/medical needs
- PRIMARILY health/medical needs and SOME social/recreational needs
- ONLY health/medical needs—NO social/recreational needs



# Specialized Adult Day Services Centers (1)

8. Is this a **specialized** center that serves **only** participants with a particular diagnosis, condition, or disability?

Yes

No

**If you answered "No," skip to question 10.**

# Specialized Adult Day Services Centers (2)

9. In which of the following diagnoses, conditions, or disabilities does this center specialize?

## Select All That Apply

- Alzheimer's disease or other dementias
- HIV/AIDS
- Intellectual and other developmental disabilities
- Multiple sclerosis
- Parkinson's disease
- Post-stroke physical and/or mental impairments with a need for rehabilitative therapies
- Severe mental illness
- Traumatic brain
- Other (please specify)\_\_\_\_\_

# Revenue From Paid Participant Fees

10. Of this center's revenue from paid participant fees, about what percentage comes from each of the following sources? Your entries should add up to 100%

**Enter "0" for any sources that do not apply.**

- a. Medicaid (include Medicaid waivers, Medicaid managed care, and regional centers in California)
- b. Medicare
- c. Older Americans Act
- d. Veteran's Administration
- e. Other federal, state or local government
- f. Out-of-pocket payment by the participant or family
- g. Private insurance
- h. Other source

# Person-Level Data Collection

40. The National Center for Health Statistics (NCHS) sometimes links person-level survey data with health-related records from outside data sources, such as Medicare or Medicaid data or the National Death Index. This linking allows NCHS to conduct additional research without taking more time from adult day directors. For NSLTCP, NCHS would use this information for research purposes only. Providing this information is voluntary. Federal laws authorize us to ask for this information and require us to keep it strictly private. There would be no effect on your benefits or the benefits of participants if you do not provide this information.

If in future survey years we were to ask you for the following personal information about your current participants, would you be (1) able and (2) willing to provide it? For **each** "yes" in Column 1, in Column 2 indicate "yes" or "no."

	<b>Column 1</b> Does this center have your ...	<b>IF YES IN COLUMN 1</b>	<b>Column 2</b> Would you be willing to provide <u>your...</u>
a. Participants' full names	<input type="checkbox"/> Yes <input type="checkbox"/> No	—————→	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. Participants' date of births	<input type="checkbox"/> Yes <input type="checkbox"/> No	—————→	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Participants' last four digits of Social Security numbers	<input type="checkbox"/> Yes <input type="checkbox"/> No	—————→	<input type="checkbox"/> Yes <input type="checkbox"/> No

# HIPAA Covered Entity

41. The way in which we would collect information about your current participants would differ depending on if this adult day services center was or was not a Health Insurance Portability and Accountability Act (HIPAA-) covered entity. **Is this adult day services center a HIPAA-covered entity?**

**Enter "0" for any sources that do not apply.**

- Yes
- No
- Do not know

# 2016 Adult Day Services Center Survey Timeline

- Currently in the questionnaire content development stage
- Fielding of the 2016 ADSC survey will begin in May and culminate in November.
- All adult day services centers that receive a questionnaire are encouraged to participate.
- Your participation contributes to the accurate representation of your industry across the nation and in your state.
- Informs policy makers and others about long-term care services and supports you provide in your community.
- Every center counts!

# Thank You!

Vincent Rome, MPH

Long-Term Care Statistics Branch

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Phone: 301-458-4747

URL: <http://www.cdc.gov/nchs/nsltcp.htm>