



# NPALS<sup>TM</sup>

**National Post-acute and Long-term Care Study**

## Biennial overview variable definitions crosswalk

### 2022 National Post-acute and Long-term Care Study

This crosswalk defines the variables that appear in the 2022 National Post-acute and Long-term Care Study (NPALS) data dashboard and forthcoming NHR available from:

<https://www.cdc.gov/nchs/npals/study-cycles/index.html>

Each variable is listed and defined per setting, grouped by content type: geographical and organizational characteristics, staffing, services provision, and services users. The settings include adult day services centers (ADSCs) and residential care communities (RCCs) from National Center for Health Statistics surveys. Hospice, home health, nursing homes, inpatient rehabilitation facility, and long-term care facilities from Centers for Medicare and Medicaid Services (CMS) data sources are forthcoming.

Additional information about NPALS is available from: <https://www.cdc.gov/nchs/npals/>.

| Geographic and organizational characteristics, by setting |   |  |   |
|---|---|--|---|
|   |   | Survey data settings   |   |
| Characteristic  | Definition  | Adult day services center (ADSC) <sup>1</sup>  | Residential care community (RCC) <sup>2</sup>   |
| Number of providers                                       | Number of paid, regulated long-term and post-acute care services providers.   | Number of ADSCs based on 2022 National Post-acute and Long-term Care Study (NPALS)   | Number of assisted living and similar RCCs based on 2022 NPALS  |
| Region  | Grouping of states into geographic areas corresponding to groups used by the U.S. Census Bureau.  | Four census regions based on state:<br>1=Northeast<br>2=Midwest<br>3=South<br>4=West   | Four census regions based on state:<br>1=Northeast<br>2=Midwest<br>3=South<br>4=West  |
| Metropolitan statistical area (MSA) status                | Geographic entities defined by 2013 Office of Management and Budget standards for delineating MSAs. A metropolitan area contains a core urban area of 50,000 or more population, and a micropolitan area contains an urban core of at least 10,000 (but less than 50,000) population. | Based on zip codes: Metropolitan statistical area status:<br>1=Metropolitan<br>2=Micropolitan<br>3=Neither   | Based on zip codes: Metropolitan statistical area status:<br>1=Metropolitan<br>2=Micropolitan<br>3=Neither  |
| Capacity  | The number of beds or maximum allowable spaces available to the community.  | Q6. What is the maximum number of participants allowed at this adult day services center at this location? This may be called the allowable daily capacity and is usually determined by law or by fire code, but may also be a program decision.   | Q3. At this residential care community, what is the number of licensed, registered, or certified residential care beds? Include both occupied and unoccupied beds. If this residential care community is licensed, registered, or certified by apartment or unit, please count the number of single resident apartments or units as one bed each, two bedroom apartments or units as two beds each and so forth.      |
| Ownership   | Classified into three categories: for profit, nonprofit, and government and other.  | Derived from: [OWNERSHP]:<br>1=For profit; 2=Nonprofit;<br>3= Government and other<br><br>Q1. What is the type of ownership of this adult day services center?<br>1=Private, nonprofit<br>2=Private, for profit<br>3=Publicly traded company or limited liability company (LLC)<br>4=Government— federal, state, county, local<br>If OWNERSHP=1 then OWN=2; if OWNERSHP=2 or 3 then OWN=1; if OWNERSHP=4 then OWN=3. | Derived from: [OWNERSHP]:<br>1=For profit; 2=Nonprofit;<br>3= Government and other<br><br>Q1. What is the type of ownership of this residential care community?<br>1=Private, nonprofit<br>2=Private, for profit<br>3=Publicly traded company or limited liability company (LLC)<br>4=Government— federal, state, county, local<br>If OWNERSHP=1 then OWN=2; if OWNERSHP=2 or 3 then OWN=1; if OWNERSHP=4 then OWN=3. |
| Number of people served categories                        | Categorizes providers into three groupings of numbers of users, depending on setting.   | Derived from: [AVGPART] :<br>1=1–25; 2=26–100; 3=101 or more<br><br>Q5. Based on a typical week, what is the approximate average number of participants this adult day services center serves daily, either at this physical location, at the participant's residence, or virtually (on-line or by telephone)?   | Derived from: [TOTRES]:<br>1=1–25; 2=26–100; 3=101 or more<br><br>Q4. What is the total number of residents currently living at this residential care community? Please include residents for whom a bed is being held while in the hospital. If you have respite care residents, please include them.  |

| <b>Geographic and organizational characteristics, by setting</b> |   |   |  |
|--|---|---|--|
|  |   | <b>Survey data settings</b>   |  |
| <b>Characteristic</b>  | <b>Definition</b>   | <b>Adult day services center (ADSC)<sup>1</sup></b>   | <b>Residential care community (RCC)<sup>2</sup></b>  |
| Medicare certification   | Certified to receive Medicare reimbursements.   | Not applicable in setting   | Not applicable in setting  |
| Medicaid certification   | Certified to receive Medicaid reimbursements.   | Q2b. Is this adult services center authorized or otherwise set up to participate in Medicaid (Medicaid state plan, Medicaid waiver, or Medicaid managed care) or part of a Program of All-inclusive Care for the Elderly (PACE)? 1=Certified; 2=Not certified | Q15. Is this residential care community authorized or otherwise set up to participate in Medicaid? 1=Certified; 2=Not certified  |
| Chain affiliation  | Indicates whether a provider is part of a chain/ organization that owns or manages two or more providers. | Q7. Is this center owned by a person, group, or organization that owns or manages two or more adult day services centers? This may include a corporate chain. 1=Yes; 2=No   | Q14. Is this residential care community owned by a person, group, or organization that owns or manages two or more residential care communities? This may include a corporate chain. 1=Yes; 2=No |

## Staffing\* characteristics, by setting

| Characteristic  |   | Survey data settings   |  |
|---|---|--|--|
|   |   | Adult day services center (ADSC) <sup>1</sup>  | Residential care community (RCC) <sup>2</sup>  |
| Registered nurse  | Number of full-time equivalent (FTE) registered nurse (RN) employees (based on a 35-hour workweek). Outliers are defined as cases with FTEs that are two standard deviations above or below the mean for a given size category and recoded as the size-specific mean FTE for the given staff type.  | <p>Derived RNFE1 from: [RNFT1, RNPT1]:<br/>Converted to 1.0 FTE for full-time and part time is 0.5 FTE.</p> <p>Q27a. RNs: number of full-time employees; number of part-time employees</p>   | <p>Derived RNFE1 from: [RNFT1, RNPT1]:<br/>Converted to 1.0 FTE for full-time and part time is 0.5 FTE.</p> <p>Q32a. RNs: number of full-time employees; number of part-time employees</p>   |
| Licensed practical nurse (LPN) or licensed vocational nurse (LVN) | Number of FTE licensed practical nurse or licensed vocational nurse (LPN/LVN) employees (based on a 35-hour workweek). Outliers are defined as cases with FTEs that are two standard deviations above or below the mean for a given size category and recoded as the size-specific mean FTE for the given staff type.   | <p>Derived LPNFE1 from: [LPNFT1, LPNPT1]:<br/>Converted to 1.0 FTE for full-time and part time is 0.5 FTE.</p> <p>Q27b. LPNs/LVNs: number of full-time employees; number of part-time employees</p>  | <p>Derived LPNFE1 from: [LPNFT1, LPNPT1]:<br/>Converted to 1.0 FTE for full-time and part time is 0.5 FTE.</p> <p>Q32b. LPNs/LVNs: number of full-time employees; number of part-time employees</p>  |
| Aide  | Number of FTE aide employees (based on a 35-hour workweek). Aides refer to paid staff providing direct care and assistance to residents, participants, or patients with a broad range of activities. Outliers are defined as cases with FTEs that are two standard deviations above or below the mean for a given size category and recoded as the size-specific mean FTE for the given staff type. | <p>Derived AIDEFE1 from: [AIDEFT1, AIDEPT1]:<br/>Converted to 1.0 FTE for full-time and part time is 0.5 FTE.</p> <p>Q27c. Certified nursing assistants, nursing assistants, home health aides, home care aides, personal care aides, personal care assistants, and medication technicians or medication aides: number of full-time employees; number of part-time employees</p> | <p>Derived AIDEFE1 from: [AIDEFT1, AIDEPT1]:<br/>Converted to 1.0 FTE for full-time and part time is 0.5 FTE.</p> <p>Q32c. Certified nursing assistants, nursing assistants, home health aides, home care aides, personal care aides, personal care assistants, and medication technicians or medication aides: number of full-time employees; number of part-time employees</p> |
| Social worker   | Number of FTE social worker employees (based on a 35-hour workweek). Outliers are defined as cases with FTEs that are two standard deviations above or below the mean for a given size category and recoded as the size-specific mean FTE for the given staff type.   | <p>Derived SOCWFE1 from: [SOCWFT1, SOCWPT1]:<br/>Converted to 1.0 FTE for full-time and part time is 0.5 FTE.</p> <p>Q27d. Social workers—licensed social workers or persons with a bachelor's or master's degree in social work: number of full-time employees; number of part-time employees</p>   | <p>Derived SOCWFE1 from: [SOCWFT1, SOCWPT1]:<br/>Converted to 1.0 FTE for full-time and part time is 0.5 FTE.</p> <p>Q32d. Social workers—licensed social workers or persons with a bachelor's or master's degree in social work: number of full-time employees; number of part-time employees</p>   |
| Activities directors or activities staff                          | Number of FTE activities directors or activities staff employees (based on a 35-hour workweek). Outliers are defined as cases with FTEs that are two standard deviations above or below the mean for a given size category and recoded as the size-specific mean FTE for the given staff type.  | <p>Derived ACTFE1 from: [ACTFT1, ACTPT1]:<br/>Converted to 1.0 FTE for full-time and part time is 0.5 FTE.</p> <p>Q27e. Activities directors or activities staff: number of full-time employees; number of part-time employees</p>   | <p>Derived ACTFE1 from: [ACTFT1, ACTPT1]:<br/>Converted to 1.0 FTE for full-time and part time is 0.5 FTE.</p> <p>Q32e. Activities directors or activities staff: number of full-time employees; number of part-time employees</p>   |

| Staffing* characteristics, by setting                    |   | Survey data settings   |   |
|--|---|--|---|
| Characteristic   | Definition  | Adult day services center (ADSC) <sup>1</sup>  | Residential care community (RCC) <sup>2</sup>   |
| Total FTE Staff  | Total number of nursing and social worker FTE staff.  | Derived:<br>TOTFTE=RNFE1 + LPNFTE + AIDEFTE1 + SOCWFTE1  | Derived:<br>TOTFTE=RNFE1 + LPNFTE + AIDEFTE1 + SOCWFTE1   |
| Ratio nursing or social worker FTE                       | Ratio derived from the number of each nursing and social worker FTE type over the total FTE staff.  | Derived:<br>RNFE1 / TOTFTE*100;<br>LPNFTE1 / TOTFTE*100;<br>AIDEFTE1 / TOTFTE*100;<br>SOCWFTE1 / TOTFTE*100  | Derived:<br>RNFE1 / TOTFTE*100;<br>LPNFTE1 / TOTFTE*100;<br>AIDEFTE1 / TOTFTE*100;<br>SOCWFTE1 / TOTFTE*100   |
| Hours per resident or participant per day (HPRD or HPPD) | Number of hours providing care for one resident or participant per day for a given staff type. For ADSCs, HPPD was computed by multiplying the number of FTEs by 35 hours, and dividing the total number of hours by the number of current enrolled participants and by 5 days. For RCCs and NHs, HPRD was computed by multiplying the number of FTEs by 35 hours and dividing by the number of current residents in the facility, and by 7 days. | Derived:<br>RNHPPD1=(RNFE1* 35) / TOTPART / 5;<br>LPNHPPD1=(LPNFTE1*35)/ TOTPART / 5;<br>AIDEHPPD1=(AIDEFTE1*35) / TOTPART / 5;<br>SOCWHPPD1=(SOCWFTE1*35) /TOTPART/5;<br>ACTHPPD1=(ACTFTE1*35) /TOTPART / 5 | Derived:<br>RNHPPD1=(RNFE1* 35) / TOTRES/7;<br>LPNHPPD1=(LPNFTE1 * 35)/ TOTRES /7;<br>AIDEHPPD1=(AIDEFTE1 * 35)/TOTRES/7;<br>SOCWHPPD1=(SOCWFTE1* 35)/TOTRES/7;<br>ACTHPPD1=(ACTFTE1 * 35)/TOTRES/7 |

| Services** provision, by setting     |   |  |  |
|--------------------------------------|---|--|--|
|                                      |   | Survey data settings   |  |
| Characteristic                       | Definition  | Adult day services center (ADSC) <sup>1</sup>  | Residential care community (RCC) <sup>2</sup>  |
| Social work services                 | Refers to these services offered by the provider by a paid employee or by arrangement through outside providers, by referral to outside provider, or not provided at all. Definitions may vary by setting | <p>Derived from: [SERVSOCW1, SERVSOCW3, SERVSOCW4]: 1=Provided by employee or arrangement; 2=Not provided (includes referral only)</p> <p>Q20c. Social work services—provided by licensed social workers or persons with a bachelor’s or master’s degree in social work, and may include an array of services such as psychosocial assessment, individual or group counseling, and referral services: 1=Provides the service by paid employee or arranges for the service to be provided by outside service providers; 2=Refers to participants or family to outside service providers; 3=Does not provide, arrange, or refer for this service</p> | <p>Derived from: [SERVSOCW1, SERVSOCW3, SERVSOCW4]: 1=Provided by employee or arrangement; 2=Not provided (includes referral only)</p> <p>Q24c. Social work services—provided by licensed social workers or persons with a bachelor’s or master’s degree in social work, and may include an array of services such as psychosocial assessment, individual or group counseling, support groups, and referral services: 1=Provides the service by paid employee or arranges for the service to be provided by outside service providers; 2=Refers to participants or family to outside service providers; 3=Does not provide, arrange, or refer for this service</p> |
| Mental health or counseling services | Refers to these services offered by the provider by a paid employee or by arrangement through outside providers, by referral to outside provider, or not provided at all. Definitions may vary by setting | <p>Derived from: [SERVMH1, SERVMH3, SERVMH4]: 1=Provided by employee or arrangement; 2=Not provided (includes referral only)</p> <p>Q20d. Mental or behavioral health services— target participants’ mental, emotional, psychological, or psychiatric well-being and may include diagnosing, describing, evaluating, and treating mental conditions: 1=Provides the service by paid employee or arranges for the service to be provided by outside service providers; 2=Refers to participants or family to outside service providers; 3=Does not provide, arrange, or refer for this service</p>  | <p>Derived from: [SERVMH1, SERVMH3, SERVMH4]: 1=Provided by employee or arrangement; 2=Not provided (includes referral only)</p> <p>Q24d. Mental or behavioral health services— target residents’ mental, emotional, psychological, or psychiatric well-being and may include diagnosing, describing, evaluating, and treating mental conditions: 1=Provides the service by paid employee or arranges for the service to be provided by outside service providers; 2=Refers to participants or family to outside service providers; 3=Does not provide, arrange, or refer for this service</p>   |
| Therapeutic services                 | Refers to these services offered by the provider by a paid employee or by arrangement through outside providers, by referral to outside provider, or not provided at all. Definitions may vary by setting | <p>Derived from: [SERVTX1, SERVTX3, SERVTX4]: 1=Provided by employee or arrangement; 2=Not provided (includes referral only)</p> <p>Q20e. Therapy services—physical, occupational, or speech: 1=Provides the service by paid employee or arranges for the service to be provided by outside service providers; 2=Refers to participants or family to outside service providers; 3=Does not provide, arrange, or refer for this service</p>   | <p>Derived from: [SERVTX1, SERVTX3, SERVTX4]: 1=Provided by employee or arrangement; 2=Not provided (includes referral only)</p> <p>Q24e. Therapy services—physical, occupational, or speech: 1=Provides the service by paid employee or arranges for the service to be provided by outside service providers; 2=Refers to participants or family to outside service providers; 3=Does not provide, arrange, or refer for this service</p>   |

| Services** provision, by setting |   |  |  |
|----------------------------------|---|--|--|
|                                  |   | Survey data settings   |  |
| Characteristic                   | Definition  | Adult day services center (ADSC) <sup>1</sup>  | Residential care community (RCC) <sup>2</sup>  |
| Pharmacy services                | Refers to these services offered by the provider by a paid employee or by arrangement through outside providers, by referral to outside provider, or not provided at all. Definitions may vary by setting | <p>Derived from: [SERVRX1, SERVXR3, SERVXR4]: 1=Provided by employee or arrangement; 2=Not provided (includes referral only)</p> <p>Q20f. Pharmacy services—including filling of or delivery of prescriptions: 1=Provides the service by paid employee or arranges for the service to be provided by outside service providers; 2=Refers to participants or family to outside service providers; 3=Does not provide, arrange, or refer for this service</p>                                | <p>Derived from: [SERVRX1, SERVXR3, SERVXR4]: 1=Provided by employee or arrangement; 2=Not provided (includes referral only)</p> <p>Q24f. Pharmacy services—including filling of or delivery of prescriptions: 1=Provides the service by paid employee or arranges for the service to be provided by outside service providers; 2=Refers to participants or family to outside service providers; 3=Does not provide, arrange, or refer for this service</p>                                |
| Skilled nursing services         | Refers to these services offered by the provider by a paid employee or by arrangement through outside providers, by referral to outside provider, or not provided at all. Definitions may vary by setting | <p>Derived from: [SERVNURS1, SERVNURS3, SERVNURS4]: 1=Provided by employee or arrangement; 2=Not provided (includes referral only)</p> <p>Q20h. Skilled nursing services— must be performed by an RN , LPN, or LVN and are medical in nature: 1=Provides the service by paid employee or arranges for the service to be provided by outside service providers; 2=Refers to participants or family to outside service providers; 3=Does not provide, arrange, or refer for this service</p> | <p>Derived from: [SERVNURS1, SERVNURS3, SERVNURS4]: 1=Provided by employee or arrangement; 2=Not provided (includes referral only)</p> <p>Q24h. Skilled nursing services— must be performed by an RN , LPN, or LVN and are medical in nature: 1=Provides the service by paid employee or arranges for the service to be provided by outside service providers; 2=Refers to participants or family to outside service providers; 3=Does not provide, arrange, or refer for this service</p> |
| Hospice services                 | Refers to these services offered by the provider by a paid employee or by arrangement through outside providers, by referral to outside provider, or not provided at all. Definitions may vary by setting | <p>Derived from: [SERVHOS1, SERVHOS3, SERVHOS4]: 1=Provided by employee or arrangement; 2=Not provided (includes referral only)</p> <p>Q20a. Hospice services: 1=Provides the service by paid employee or arranges for the service to be provided by outside service providers; 2=Refers to participants or family to outside service providers; 3=Does not provide, arrange, or refer for this service</p>  | <p>Derived from: [SERVHOS1, SERVHOS3, SERVHOS4]: 1=Provided by employee or arrangement; 2=Not provided (includes referral only)</p> <p>Q24a. Hospice services: 1=Provides the service by paid employee or arranges for the service to be provided by outside service providers; 2=Refers to participants or family to outside service providers; 3=Does not provide, arrange, or refer for this service</p>  |

| Services** provision, by setting |   |   |  |
|----------------------------------|---|---|--|
|                                  |   | Survey data settings  |  |
| Characteristic                   | Definition  | Adult day services center (ADSC) <sup>1</sup>   | Residential care community (RCC) <sup>2</sup>  |
| Dietary and nutritional services | Refers to these services offered by the provider by a paid employee or by arrangement through outside providers, by referral to outside provider, or not provided at all. Definitions may vary by setting | <p>Derived from: [SERVDIET1, SERVDIET3, SERVDIET4]: 1=Provided by employee or arrangement; 2=Not provided (includes referral only)</p> <p>Q20g. Dietary and nutritional services—including meal pickup or delivery: 1=Provides the service by paid employee or arranges for the service to be provided by outside service providers; 2=Refers to participants or family to outside service providers; 3=Does not provide, arrange, or refer for this service</p>                                | <p>Derived from: [SERVDIET1, SERVDIET3, SERVDIET4]: 1=Provided by employee or arrangement; 2=Not provided (includes referral only)</p> <p>Q24g. Dietary and nutritional services—including meal pickup or delivery: 1=Provides the service by paid employee or arranges for the service to be provided by outside service providers; 2=Refers to participants or family to outside service providers; 3=Does not provide, arrange, or refer for this service</p> |
| Dementia care                    | Refers to providing dementia care either by 1) specializing in dementia care or having a dementia care floor/unit/ or wing or 2) Specializing in dementia care and only serving users with dementia.      | <p>Derived from: [CONDALZRC, DXALZRC, TOTPART]: 1=Specializes and only serves participants with Alzheimer or other dementia diagnosis; 2=Specializes in Alzheimer's disease or dementias</p> <p>Q15a. In which of the following diagnoses, conditions, or disabilities does this center specialize? a. Alzheimer disease or other dementias</p> <p>Q22. Of the participants currently enrolled at this center, about how many have been diagnosed with Alzheimer disease or other dementias</p> | <p>Derived from: [ONLYDEM, DEMWING]: 1=Serves only residents with dementia; 2=Provides dementia care units within larger community</p> <p>Q10. Does this residential care community only serve adults with dementia or Alzheimer's disease?</p> <p>Q11. [If no to Q10] Does this residential care community have a distinct unit, wing, or floor that is designated as a dementia, Alzheimer's, or memory care unit?</p>   |

| Services users characteristics, by setting   |   |  |  |
|--|---|--|--|
|  |   | Survey data settings   |  |
| Characteristic                               | Definition  | Adult day services center (ADSC) <sup>3</sup>  | Residential care community (RCC) <sup>4</sup>  |
| Number of services users                     | Number of services users  | [TOTPART] Derived from the number of participants in the ADSC services users data file.  | [TOTRES] Derived from the number of residents in the RCC services users data file.   |
| Age  | Number of services users under age 65, between 65 and 74, between 75 and 84, and 85 and over. For ADSC and RCCs, missing data were imputed.   | Derived from: What is [sampled person's initial's] age in years?<br>AGE<65<br>AGE>=65 and <75<br>AGE>-75 and < 85<br>AGE >85   | Derived from: What is [sampled person's initial's] age in years?<br>AGE<65<br>AGE>=65 and <75<br>AGE>-75 and < 85<br>AGE >85   |
| Race and Hispanic origin                     | Percentage of services users of Hispanic or Latino origin; non-Hispanic Black, non-Hispanic AIAN, non-Hispanic Asian, non-Hispanic White, and non-Hispanic NHOPi, or non-Hispanic of another race. For ADSCs and RCCs, missing data were imputed. | Is [SAMPLED PERSON'S INITIALS] of Hispanic, Latino, or Spanish origin or descent?<br>1 YES<br>2 NO<br>3 DON'T KNOW<br>Missing data and don't know for ETHNICITY were imputed.<br><br>Please look at the show card titled "Race" to answer this question. Which one or more of the following would you say is [SAMPLED PERSON'S INITIALS]'s race?<br>1. AMERICAN INDIAN OR ALASKA NATIVE<br>2. ASIAN<br>3. BLACK<br>4. NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER<br>5. WHITE<br>Coded so that Race categories includes only non-Hispanic users. | Is [SAMPLED PERSON'S INITIALS] of Hispanic, Latino, or Spanish origin or descent?<br>1 YES<br>2 NO<br>3 DON'T KNOW<br>Missing data and don't know for ETHNICITY were imputed.<br><br>Please look at the show card titled "Race" to answer this question. Which one or more of the following would you say is [SAMPLED PERSON'S INITIALS]'s race?<br>1. AMERICAN INDIAN OR ALASKA NATIVE<br>2. ASIAN<br>3. BLACK<br>4. NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER<br>5. WHITE<br>Coded so that Race categories includes only non-Hispanic users. |
| Gender                                       | Percentage of services users who are male or female. For ADSCs and RCCs, missing data were imputed.   | What is [SAMPLED PERSON'S INITIALS]'s gender?<br>1. MALE<br>2. FEMALE  | What is [SAMPLED PERSON'S INITIALS]'s gender?<br>1. MALE<br>2. FEMALE  |
| Medicaid as payer source                     | Percentage of users with Medicaid paying for any services received.   | During the last complete month, did Medicaid pay for any of the services that [SAMPLED PERSON'S INITIALS] received at this center? Please include any funding from a Medicaid state plan, Medicaid waiver, Medicaid managed care, or California regional center.<br>1 YES<br>2 NO<br>3 DON'T KNOW<br>Don't know coded as missing.  | During the last complete month, did Medicaid pay for any of the services that [SAMPLED PERSON'S INITIALS] received at this center? Please include any funding from a Medicaid state plan, Medicaid waiver, Medicaid managed care, or California regional center.<br>1 YES<br>2 NO<br>3 DON'T KNOW<br>Don't know coded as missing.  |
| Diagnosed with Alzheimer disease or dementia | Percentage of services users diagnosed with Alzheimer disease or dementia.  | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>2. Alzheimer's disease or other dementia   | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>2. Alzheimer's disease or other dementia   |
| Diagnosed with depression                    | Percentage of services users diagnosed with depression.   | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>11. Depression   | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>11. Depression   |

| Services users characteristics, by setting                  |   |  |  |
|---|---|--|--|
|   |   | Survey data settings   |  |
| Characteristic  | Definition  | Adult day services center (ADSC) <sup>3</sup>  | Residential care community (RCC) <sup>4</sup>  |
| Diagnosed with diabetes                                     | Percentage of services users diagnosed with diabetes.       | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>12. Diabetes   | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>12. Diabetes   |
| Diagnosed with arthritis                                    | Percentage of services users diagnosed with arthritis.      | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>5. Arthritis or rheumatoid arthritis   | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>5. Arthritis or rheumatoid arthritis   |
| Diagnosed with asthma                                       | Percentage of services users diagnosed with asthma.         | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>6. Asthma  | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>6. Asthma  |
| Diagnosed with chronic kidney disease                       | Percentage of services users diagnosed with kidney disease. | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>19. Kidney disease   | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>19. Kidney disease   |
| Diagnosed with chronic obstructive pulmonary disease (COPD) | Percentage of services users diagnosed with COPD..          | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>9. COPD (chronic bronchitis or emphysema)  | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>9. COPD (chronic bronchitis or emphysema)  |
| Diagnosed with heart disease                                | Percentage of services users diagnosed with heart disease.  | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>16. Heart disease (congestive heart failure, coronary or ischemic heart disease, heart attack) | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>16. Heart disease (congestive heart failure, coronary or ischemic heart disease, heart attack) |

| Services users characteristics, by setting         |   |   |  |
|--|---|---|--|
|  |   | Survey data settings  |  |
| Characteristic                                     | Definition  | Adult day services center (ADSC) <sup>3</sup>   | Residential care community (RCC) <sup>4</sup>  |
| Diagnosed with high blood pressure or hypertension | Percentage of services users diagnosed with high blood pressure or hypertension.      | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>17. High blood pressure or hypertension   | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>17. High blood pressure or hypertension  |
| Diagnosed with osteoporosis                        | Percentage of services users diagnosed with osteoporosis.                             | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>22. Osteoporosis  | As far as you know, has a doctor or other health professional ever diagnosed [SAMPLED PERSON'S INITIALS] with any of the following conditions?<br><br>22. Osteoporosis   |
| Need assistance with eating                        | Percentage of services users needing any assistance with eating.                      | Needs Assistance=1<br>No Assistance=2<br>Derived From: Which types of assistance, if any, does [SAMPLED PERSON'S INITIALS] currently need to eat, like cutting up food at their usual residence or this adult day services center?<br>1. NEED HELP OR SUPERVISION<br>2. USE OF AN ASSISTANCE DEVIDE<br>3. BOTH<br>4. NEED NO ASSISTANCE<br>If 1, 2, or 3 then =1; if 4 then=2     | Needs Assistance=1<br>No Assistance=2<br>Derived From: Which types of assistance, if any, does [SAMPLED PERSON'S INITIALS] currently need to eat, like cutting up food?<br>1. NEED HELP OR SUPERVISION<br>2. USE OF AN ASSISTANCE DEVIDE<br>3. BOTH<br>4. NEED NO ASSISTANCE<br>If 1, 2, or 3 then =1; if 4 then=2     |
| Need assistance with dressing                      | Percentage of services users needing any assistance with dressing.                    | Needs Assistance=1<br>No Assistance=2<br>Derived From: Which types of assistance, if any, does [SAMPLED PERSON'S INITIALS] currently need to dress at their usual residence or this adult day services center?<br>1. NEED HELP OR SUPERVISION<br>2. USE OF AN ASSISTANCE DEVICE<br>3. BOTH<br>4. NEED NO ASSISTANCE<br>If 1, 2, or 3 then =1; if 4 then=2                         | Needs Assistance=1<br>No Assistance=2<br>Derived From: Which types of assistance, if any, does [SAMPLED PERSON'S INITIALS] currently need to dress?<br>1. NEED HELP OR SUPERVISION<br>2. USE OF AN ASSISTANCE DEVICE<br>3. BOTH<br>4. NEED NO ASSISTANCE<br>If 1, 2, or 3 then =1; if 4 then=2                         |
| Need assistance with toileting                     | Percentage of services users needing any assistance with using bathroom or toileting. | Needs Assistance=1<br>No Assistance=2<br>Derived From: Which types of assistance, if any, does [SAMPLED PERSON'S INITIALS] currently need to use the bathroom or toileting at their usual residence or this adult day services center?<br>1. NEED HELP OR SUPERVISION<br>2. USE OF AN ASSISTANCE DEVICE<br>3. BOTH<br>4. NEED NO ASSISTANCE<br>If 1, 2, or 3 then =1; if 4 then=2 | Needs Assistance=1<br>No Assistance=2<br>Derived From: Which types of assistance, if any, does [SAMPLED PERSON'S INITIALS] currently need to use the bathroom or toileting?<br>1. NEED HELP OR SUPERVISION<br>2. USE OF AN ASSISTANCE DEVICE<br>3. BOTH<br>4. NEED NO ASSISTANCE<br>If 1, 2, or 3 then =1; if 4 then=2 |

| Services users characteristics, by setting |   | Survey data settings   |   |
|--|---|--|---|
| Characteristic                             | Definition  | Adult day services center (ADSC) <sup>3</sup>  | Residential care community (RCC) <sup>4</sup>   |
|  |   | Need assistance with bathing   | Percentage of services users needing any assistance with bathing or showering.  |
| Need assistance with walking or locomotion | Percentage of services users needing any assistance with walking or locomotion.             | Needs Assistance=1<br>No Assistance=2<br>Derived From: Which types of assistance, if any, does [SAMPLED PERSON'S INITIALS] currently need for locomotion or to walk at their usual residence or this adult day services center?<br>1. NEED HELP OR SUPERVISION<br>2. USE OF AN ASSISTANCE DEVICE<br>3. BOTH<br>4. NEED NO ASSISTANCE<br>If 1, 2, or 3 then =1; if 4 then=2         | Needs Assistance=1<br>No Assistance=2<br>Derived From: Which types of assistance, if any, does [SAMPLED PERSON'S INITIALS] currently need for locomotion or to walk?<br>1. NEED HELP OR SUPERVISION<br>2. USE OF AN ASSISTANCE DEVICE<br>3. BOTH<br>4. NEED NO ASSISTANCE<br>If 1, 2, or 3 then =1; if 4 then=2         |
| Need assistance with transferring          | Percentage of services users needing any assistance with transferring in and out of a chair | Needs Assistance=1<br>No Assistance=2<br>Derived From: Which types of assistance, if any, does [SAMPLED PERSON'S INITIALS] currently need to transfer in and out of a chair at their usual residence or this adult day services center?<br>1. NEED HELP OR SUPERVISION<br>2. USE OF AN ASSISTANCE DEVICE<br>3. BOTH<br>4. NEED NO ASSISTANCE<br>If 1, 2, or 3 then =1; if 4 then=2 | Needs Assistance=1<br>No Assistance=2<br>Derived From: Which types of assistance, if any, does [SAMPLED PERSON'S INITIALS] currently need to transfer in and out of a chair?<br>1. NEED HELP OR SUPERVISION<br>2. USE OF AN ASSISTANCE DEVICE<br>3. BOTH<br>4. NEED NO ASSISTANCE<br>If 1, 2, or 3 then =1; if 4 then=2 |
| Overnight hospital stay                    | Percentage of services users who were discharged from an overnight hospital stay.           | Was [SAMPLED PERSON'S INITIALS] discharged from an overnight hospital stay [during the past 90 days/since admission]? Exclude trips to the hospital emergency department that did not result in an overnight hospital stay.<br>1. YES<br>2. NO<br>3. DON'T KNOW<br>Don't know was coded as missing data.   | Was [SAMPLED PERSON'S INITIALS] discharged from an overnight hospital stay [during the past 90 days/since admission]? Exclude trips to the hospital emergency department that did not result in an overnight hospital stay.<br>1. YES<br>2. NO<br>3. DON'T KNOW<br>Don't know was coded as missing data.                |
| Emergency department visits                | Percentage of services users who had emergency department visits.                           | During the past 90 days.since admission, was [SAMPLED PERSON'S INITIALS] treated in a hospital emergency department?<br>1. YES<br>2. NO<br>3. DON'T KNOW Don't know was coded as missing data.   | During the past 90 days.since admission, was [SAMPLED PERSON'S INITIALS] treated in a hospital emergency department?<br>1. YES<br>2. NO<br>3. DON'T KNOW Don't know was coded as missing data.  |

| Services users characteristics, by setting |   |  |  |
|--|---|--|--|
|  |   | Survey data settings   |  |
| Characteristic                             | Definition  | Adult day services center (ADSC) <sup>3</sup>  | Residential care community (RCC) <sup>4</sup>  |
| Falls                                      | Percentage of services users who had at least one fall. | Derived from: As best you know, during the past 90 days/since admission, how many falls has [SAMPLED PERSON'S INITIALS] had? | Derived from: As best you know, during the past 90 days/since admission, how many falls has [SAMPLED PERSON'S INITIALS] had? |

\*Staffing measures are based on the question: "An individual is considered an employee if the center is required to issue a Form W-2 federal tax form on their behalf. For each staff type below, indicate how many full-time employees and part-time employees this center currently has. Include employees who work at this physical location, at a participant's residence, or virtually (on-line or by telephone). Enter "0" for any categories with no employees."

\*\*Services measures (excluding dementia care) are based on the question: "Services currently offered by this center can include services offered at this physical location, at a participant's residence, or virtually (on-line or by telephone). For each service listed below... MARK ALL THAT APPLY IN EACH ROW..."

<sup>1</sup> Question numbers refer to the number in ADSC provider module questionnaire ([www.cdc.gov/nchs/data/npals/2022-NPALS-ADSC-Questionnaire-Center.pdf](http://www.cdc.gov/nchs/data/npals/2022-NPALS-ADSC-Questionnaire-Center.pdf)).

<sup>2</sup> Question numbers refer to the number in RCC provider module questionnaire ([www.cdc.gov/nchs/data/npals/2022-NPALS-RCC-Questionnaire-Community.pdf](http://www.cdc.gov/nchs/data/npals/2022-NPALS-RCC-Questionnaire-Community.pdf)).

<sup>3</sup> Question numbers refer to the ADSC services user module questionnaire ([www.cdc.gov/nchs/data/npals/2022-NPALS-ADSC-Questionnaire-Participant.pdf](http://www.cdc.gov/nchs/data/npals/2022-NPALS-ADSC-Questionnaire-Participant.pdf)).

<sup>4</sup> Question numbers refer to the services user module questionnaire (<https://www.cdc.gov/nchs/data/npals/2022-NPALS-RCC-Questionnaire-Resident.pdf>).