



Nursing Home Resident Clinical Characteristics

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Activities of Daily Living (ADL)

- More than one third of nursing home residents require extensive assistance with 4 or more Activities of Daily Living (bed mobility, transferring, dressing, eating, or toileting).

Figure 3.1; Tables 3.2 and 3.3(c)

- From 1998 to 2001 there was a slight decline in the proportion of residents with no ADL impairment. At the same time, there was a steady increase in residents with four or more ADL impairments.

Figure 3.1; Tables 3.2 and 3.3 (a)-3.3(c)

- Facilities with fewer than 50 beds report smaller populations of residents with four or more ADL impairments than do larger facilities.

Table 3.2

- Government-owned nursing homes report the lowest percentage of residents with no impairment and the highest percentage of residents with five ADL impairments.

Table 3.2

- Non-profit nursing homes report the highest percentage of residents with no impairment and the lowest percentage with five.

- Within the for-profit organizations, large chains report a higher level of ADL impairment than do other nursing homes.

Table 3.2

- The largest facilities—those with 200 beds or more—report the highest percentages of severe ADL impairment (four or five impairments).

Table 3.2

- In one state, Illinois, the percentage of residents with no ADL impairment is greater than 45%; in three states—Mississippi, Hawaii, and Kentucky—the percentage of residents with 5 ADL impairments 25% is or greater.

Table 3.3(c)

Technical Notes:

The source of these data is the Minimum Data Set (MDS). These data are collected and reported by nursing homes.

The activities of daily living (ADLs) evaluated were: bed mobility, dressing, eating, transferring, and toileting. There are many ways to estimate the level of impairment involved with each of the "ADLs". For these charts and tables, dependency was considered to exist only when a resident required extensive assistance with one or more of these activities. The data presented are summary counts of the number of "ADLs" with which a resident requires extensive assistance.

For analyses dependent on resident-specific (MDS) data only, we included every qualifying assessment regardless of whether the facility from which it originates has an identifiable record in OSCAR. However, where resident-specific data are summarized by OSCAR facility-level data (ownership, certification, bed size category, or chain affiliation), we excluded every MDS assessment from a nursing home 1) that does not have an identifiable record in OSCAR, or 2) for which the facility-level data are missing or invalid in the OSCAR record for that nursing home.

Nursing Homes in Puerto Rico and the Virgin Islands were excluded from the analysis. Fewer than 10 certified nursing homes operate in each of these entities.

Cognitive Impairment

- As measured by the Cognitive Performance Scale, more than one-quarter of nursing home residents have no cognitive impairment, while more than 15 percent have severe or very severe cognitive impairment.

Figure 3.2; Tables 3.4 and 3.5(c)

- From 1998 to 2001, reported cognitive impairment declined slightly, with the percentage of residents reported to have no impairment increasing and the percentage reported to have “Severe” and “Very Severe” impairment increasing.

Figure 3.7; Tables 3.4 and 3.5(c)

- Government-owned nursing homes report that they care for a higher proportion of residents with severe or very severe cognitive impairment than do non-profit or for-profit facilities.

Table 3.4

- Residents served by Medicaid-only certified nursing homes are more likely to be cognitively impaired than those served in Medicare-only or dually certified nursing homes.

Figure 3.7; Table 3.4

- More than 50 percent of residents in nursing homes with fewer than 50 beds have no cognitive impairment.

Table 3.4

- In four states—Arizona, Florida, Nevada, and New Jersey—the percentage of residents with no cognitive impairment is 35% or greater; only in Hawaii is the percentage of residents with very severe cognitive impairment greater than 15%.

Table 3.5(c)

Technical Notes:

The source of these data is the Minimum Data Set (MDS). These data are collected and reported by nursing homes.

The Cognitive Performance Scale (Morris, 1994) is one method for estimating the cognitive ability of nursing home residents based on items reported in the MDS assessment. Based on the scoring algorithm a resident is classified as

having very severe, severe, moderately severe, moderate, mild, very mild, or no impairment.

For analyses dependent on resident-specific (MDS) data only, we included every qualifying assessment regardless of whether the facility from which it originates has an identifiable record in OSCAR. However, where resident-specific data are summarized by OSCAR facility-level data (ownership, certification, bed size category, or chain affiliation), we excluded every MDS assessment from a nursing home 1) that does not have an identifiable record in OSCAR, or 2) for which the facility-level data are missing or invalid in the OSCAR record for that nursing home.

Nursing Homes in Puerto Rico and the Virgin Islands were excluded from the analysis. Fewer than 10 certified nursing homes operate in each of these entities.

References:

Morris JN, Fries BE, Mehr DR, Hawes C, Phillips C, Mor V, Lipsitz LA. MDS Cognitive Performance Scale : J Gerontol. 1994 Jul 49 (4): M174-82.

Pressure Ulcers

- The median pressure ulcer prevalence across all nursing homes increased steadily from 7.1 to 7.9 percent from 1998 to 2001. 7.4, and 7.7 in the third quarters of 1998, 1998, and 2000, respectively. Although the third quarter median prevalence (prevalence at the 50th percentile) of pressure ulcers increased from 7.1 in 1998 (third quarter) to 7.9 in 2001.

Figure 3.8; Tables 3.1, 3.6, and 3.7

- Near the beginning of the period (1999, third quarter), the median prevalence of pressure ulcers was greater than 10% in the District of Columbia only. In the same quarter of 2001, the median prevalence exceeded 10% in seven states: California, District of Columbia, Maryland, Nevada, New Jersey, Pennsylvania, and Virginia.

Figure 3.9, Table 3.5(a) – 3.5(c)

- Only one governmental unit, the District of Columbia, had 90th percentile pressure ulcer prevalence greater than 20% in 2001.

Figures 3.9 and 3.10, Table 3.7

- The quarterly median incidence of pressure ulcers has increased slightly since 1998, but is still quite low—below 2.3% in 2001.

Figure 3.11; Tables 3.1, 3.8, 3.9

- Government-owned facilities have the lowest median pressure ulcer incidence and prevalence rates; for-profit facilities have the highest.

Tables 3.6 and 3.8

- Median pressure ulcer prevalence rates are higher in Medicare-only certified nursing homes than in Medicaid-only and dually certified nursing homes

Table 3.6

- Medicaid-only certified facilities have the lowest median pressure ulcer prevalence rates

Table 3.6

For analyses dependent on resident-specific (MDS) data only, we included every qualifying assessment regardless of whether the facility from which it originates has an identifiable record in OSCAR. However, where resident-specific data are summarized by OSCAR facility-level data (ownership, certification, bed size category, or chain affiliation), we excluded every MDS assessment from a nursing home 1) that does not have an identifiable record in OSCAR, or 2) for which the facility-level data are missing or invalid in the OSCAR record for that nursing home.

Nursing Homes in Puerto Rico and the Virgin Islands were excluded from the analysis. Fewer than 10 certified nursing homes operate in each of these entities.

Technical Notes:

The source of these data is the Minimum Data Set (MDS). These data are collected and reported by nursing homes.

We defined pressure ulcer as any pressure ulcer of stage 2 or greater.

Prevalence was assessed using the midpoint of each calendar quarter as a starting point. Cases of interest occurred 60 days before or after the midpoint and were unique. That is, if a resident had two assessments collected during the observation period, only the one closest in time to the starting point was retained. Prevalence was calculated as the number of identified cases divided by the number of eligible residents at baseline (the midpoint estimate of the nursing home population).

Incidence of pressure ulcers was calculated by identifying all pressure ulcer cases that are not noted on admission or readmission assessments during a quarter of interest (e.g., January 1 to March 31). Each assessment indicating presence of a pressure ulcer is then compared with the resident's immediately preceding assessment. If the preceding comparison assessment indicates that no pressure ulcer is present, then the index assessment is considered an incident pressure ulcer. Incident pressure ulcers constitute the numerator of the quarter. The denominator consists of all eligible assessments closest to the midpoint of the quarter (but not more than 60 days from the midpoint) that indicate presence of no pressure ulcers.

Restraint Use

- In 5 States (Arkansas, California, Louisiana, Mississippi, and Texas), the median prevalence (prevalence at the 50th percentile) of the use of restraints was 15 percent or greater in the third quarter of 2001

Figures 3.13 and 3.14, Table 3.11

- The median prevalence of restraints has decreased from 7.5 percent to 6.3 percent over the years examined, while the median incidence of new restraint use has remained steady at about 1 percent.

Tables 3.1, 3.10, 3.11, 3.12, and 3.13

- Non-profit facilities had the lowest median prevalence of restraint use during the period (1999-2001), and this prevalence steadily declined during that period.

Table 3.10

- For-profit facilities had the highest prevalence of the use of physical restraints, although this prevalence declined over this three-year period.

Table 3.10

- The prevalence of restraint use at the 10th percentile is greater than zero in six states: Arkansas, California, Georgia, Louisiana, Tennessee, and Texas

Figure 3.13, Table 3.11 (2001, third quarter)

Technical Notes:

The source of these data is the Minimum Data Set (MDS). These data are collected and reported by nursing homes.

To estimate the incidence and prevalence of physical restraint use, we adopted a conservative approach, considering only individuals whom the nursing home reported were in a trunk restraint, limb restraint, or some sort of restraining chair at least once during the 7 days prior to the assessment. It is important to note that we did not report the use of bed rails for this measure, because of our concern about biases in the measurement of this item.

Prevalence was assessed using the midpoint of each calendar quarter as a starting point. Cases of interest occurred 60 days before or after the midpoint and were unique. That is, if a resident had two assessments collected during the observation period, only the one closest in time to the starting point was retained. Prevalence was calculated as the number of identified cases divided by the number of eligible residents at baseline (the midpoint estimate of the nursing home population).

Incidence of restraint use was calculated by identifying all restraint cases that are not noted on admission or readmission assessments during a quarter of interest (e.g., January 1 to March 31). Each assessment indicating presence of a restraint is then compared with the resident's immediately preceding assessment. If the preceding comparison assessment indicates that no restraints are present, then the index assessment is considered an incident restraint. Incident restraints constitute the numerator of the quarter. The denominator consists of all eligible assessments closest to the midpoint of the quarter (but not more than 60 days from the midpoint) that indicate presence of no restraints.

For analyses dependent on resident-specific (MDS) data only, we included every qualifying assessment regardless of whether the facility from which it originates has an identifiable record in OSCAR. However, where resident-specific data are summarized by OSCAR facility-level data (ownership, certification, bed size category, or chain affiliation), we excluded every MDS assessment from a nursing home 1) that does not have an identifiable record in OSCAR, or 2) for which the facility-level data are missing or invalid in the OSCAR record for that nursing home.

Nursing Homes in Puerto Rico and the Virgin Islands were excluded from the analysis. Fewer than 10 certified nursing homes operate in each of these entities.

Tube Feeding, Weight Loss, and Dehydration

- The prevalence of tube feeding has been fairly steady, at 4.2 – 4.4 percent, since the beginning of 1999.

Tables 3.14 and 3.15

- Non-profit facilities had the lowest 90th percentile prevalence of tube feeding for the three years (1999-2001) and this rate declined from 11.3% (in the fourth quarter of 1999) to 10.5%.

Table 3.14

- The tube feeding prevalence at the 90th percentile for Medicare-only certified facilities was lower than 9 percent in 2001, while the prevalence at the 90th percentile was over 13 percent for dually certified nursing homes.

Table 3.14

- Facilities with fewer than 50 beds had the lowest tube feeding prevalence at the 90th percentile, slightly above 10%, which was 20% to 40% lower than all other size categories.

Table 3.14

- The median prevalence of tube feeding ranged from 0.7 percent in Iowa to 10.7 percent in the District of Columbia.

Figures 3.15 and 3.16, Table 3.14

- In the third quarter of 2001, the median prevalence (prevalence at the 50th percentile) of weight loss in nursing home residents was 9.5 percent. This represents no change from the median prevalence during the third quarter of 2000, but is lower than the median prevalence of any quarter of 1999.

Table 3.16

- Washington, Idaho, and Vermont had the highest median prevalence of weight loss, 12 percent or greater, in the third quarter of 2001.

Figure 3.17, Table 3.17

- The prevalence of dehydration at the 90th percentile has decreased from 2.4 percent in the third quarter of 1999 to 1.5 percent in the third quarter of 2001.

Figure 3.18, Tables 3.18 and 3.19

- The prevalence of dehydration in for-profit nursing homes is lower than in government and non-profit facilities, and it has decreased since 1999.

Table 3.18

- The 90th percentile prevalence of dehydration in Medicare-only certified nursing homes is often three to five times greater than in homes in other certification categories.

Table 3.18

- No state had a 10th percentile prevalence of dehydration greater than zero in the third quarter of 2001; only four states—Alaska, Montana, Vermont, and Washington—had 90th percentile rates 3% percent or greater. The prevalence at the 90th percentile was equal to or greater than 3 percent in six states in the third quarter of 2000, and in fourteen states in the third quarter of 1999.

Figure 3.19, Table 3.19

To estimate the prevalence of feeding tube use in nursing homes we identified all individuals whom the nursing home reported had a feeding tube, defined as “any tube that can deliver food/nutritional substances/fluids/medications directly into the gastrointestinal system.” We excluded individuals admitted to the nursing home with feeding tubes because we wanted to separate the use of feeding tubes by nursing homes from the use of feeding tubes by hospitals.

To estimate the prevalence of weight loss, we identified all individuals whom the nursing home indicated had experienced weight loss of more than 5 percent in the 30 days prior the assessment or more than 10 percent in the last 180 days. It is important to note that we excluded individuals who were reported by the nursing home to be in end-stage disease or who were receiving hospice care.

To estimate the prevalence of dehydration, we identified all individuals for whom the nursing home indicated that fluid output exceeds fluid input. It is important to note that we excluded individuals who were reported by the nursing home to be in end-stage disease or who were receiving hospice care.

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Technical Notes:

The source of these data is the Minimum Data Set (MDS). These data are collected and reported by nursing homes.

Incontinence

- Nursing homes report that more than one third of their residents experience severe bowel or bladder incontinence.

Figures 3.15, Tables 3.20 and 3.21

- The median prevalence of severe bowel or bladder incontinence has varied little since 1998; the range was 35.1 to 35.9 percent of residents during this period.

Figure 3.15, Tables 3.1 and 3.20

- The reported prevalence of incontinence varies among states. In 2 states, the median (50th percentile) prevalence of severe incontinence is more than 50 percent, while 2 states report levels below 20 percent

Figures 3.16 and 3.17, Table 3.21 (2001, third quarter)

- Non-profit facilities had the lowest median prevalence of severe incontinence, approximately 30%, over the three-year period (1999-2001), with low 10th percentile prevalence rates, generally below 10%.

Table 3.20

- Medicare-only certified facilities had the lowest median prevalence of severe incontinence, compared to facilities in other certification categories, over the three-year period. The prevalence at the 10th percentile was also the lower than for Medicaid-only and dually certified facilities.

Table 3.20

- Over the three-year period, nursing homes with fewer than 50 beds had lower median prevalence of severe incontinence rates than facilities with more beds — fewer than 23.5 percent in every quarter since the first quarter 1999.

Table 3.20

- During the third quarter of 2001, Georgia, the District of Columbia, Alabama, Hawaii, and North Carolina had the highest prevalence of severe incontinence at the 10th percentile.

Figure 3.16, Table 3.21

Technical Notes:

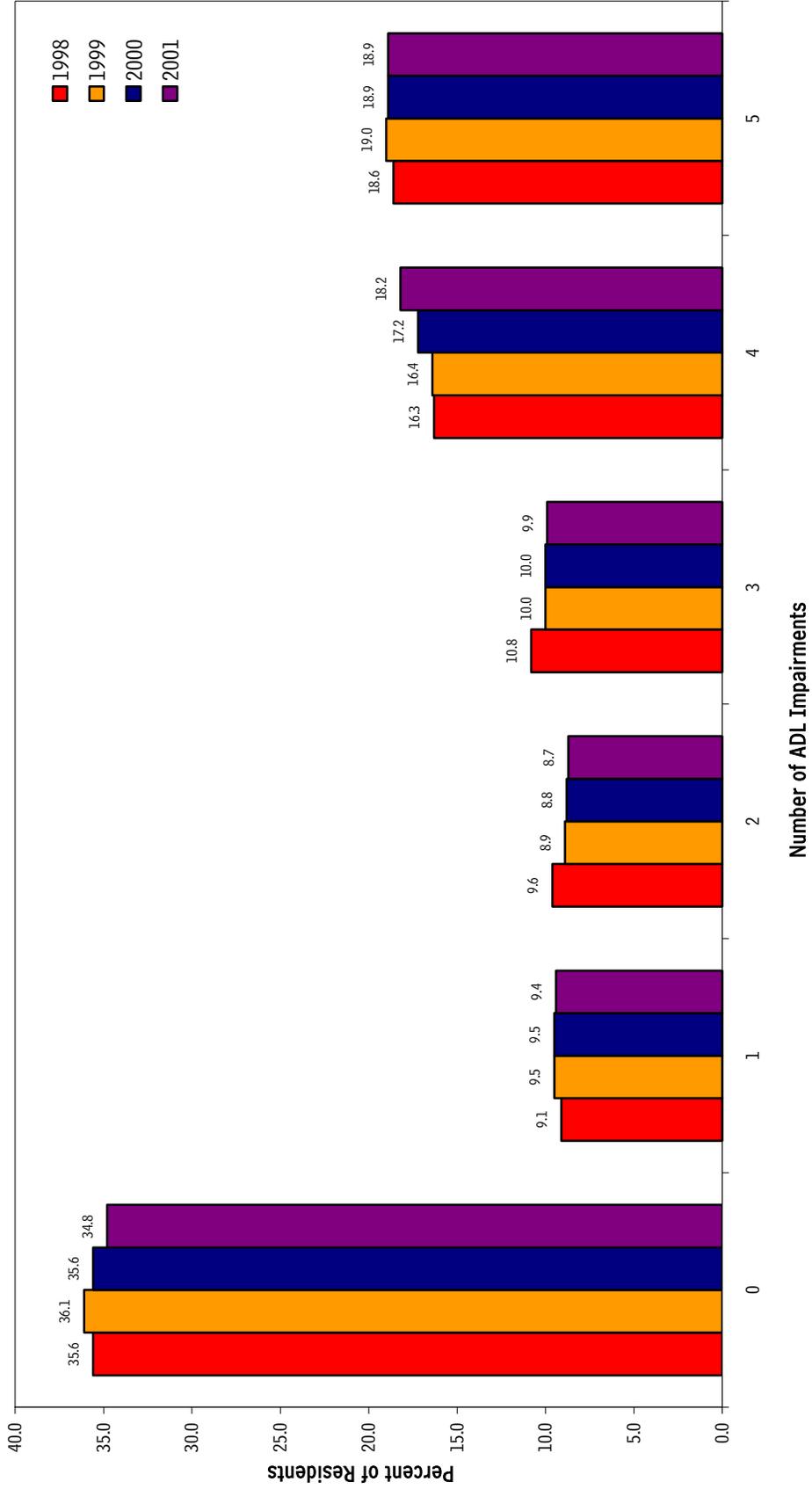
The source of these data is the Minimum Data Set (MDS). These data are collected and reported by nursing homes.

For this measure, incontinence, we identified persons who were incontinent of bladder or of bowel on almost all occasions. This is a measure of severe incontinence. It is important to note that this differs from the Quality Indicator on incontinence that is used in the survey process.

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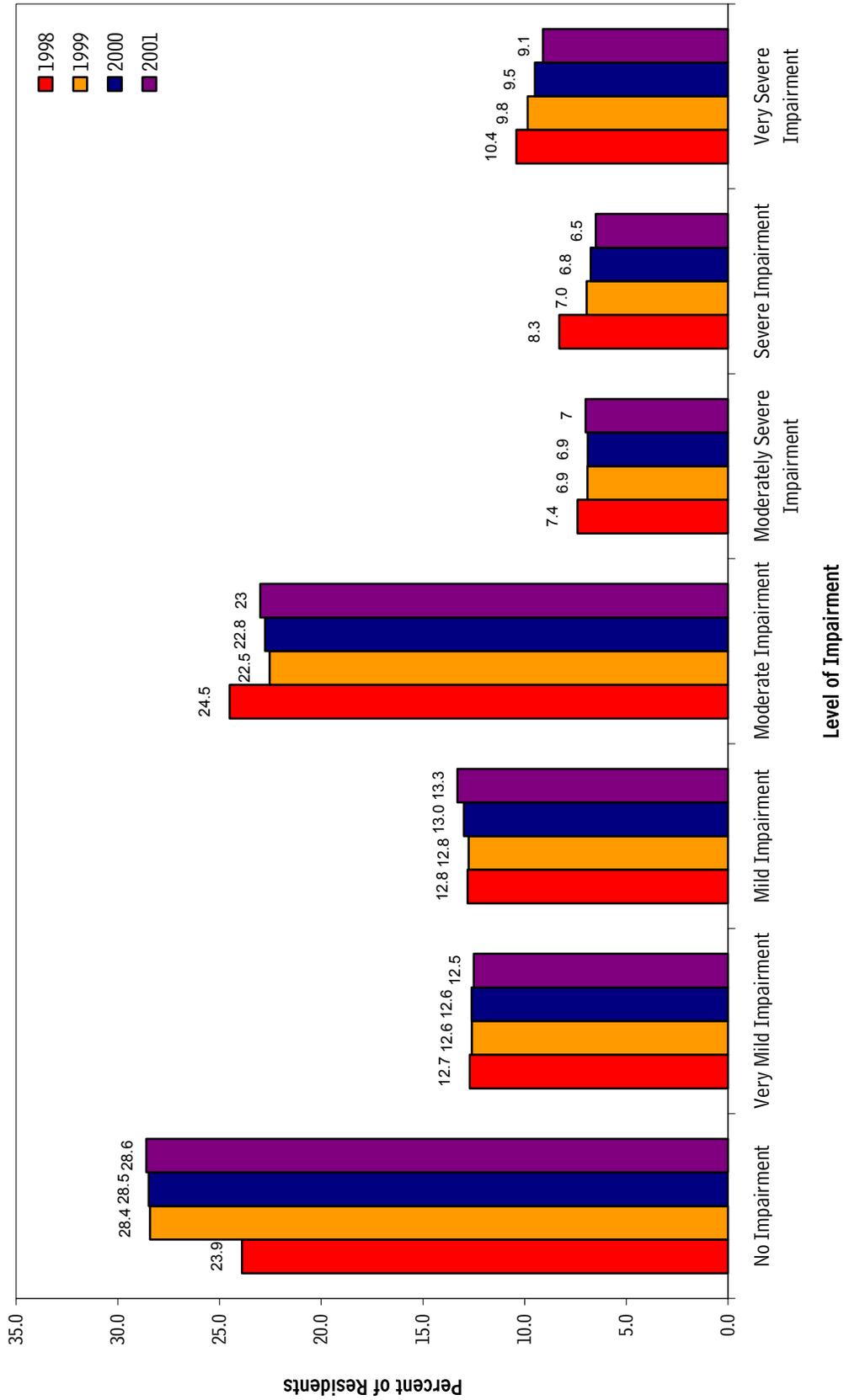
Nursing Homes in Puerto Rico and the Virgin Islands were excluded from the analysis. Fewer than 10 certified nursing homes operate in each of these entities.

**Figure 3.1 Distribution of Number of ADL Impairments in Nursing Home Residents by Year:
United States 1998-2001**



SOURCE: MDS

Figure 3.2. Distribution of Cognitive Impairments in Nursing Home Residents by Year:
United States, 1998-2001



SOURCE: MDS

**Figure 3.3. Median Pressure Ulcer Prevalence in Nursing Home Residents by Year:
United States, Third Quarter 1998-2001**

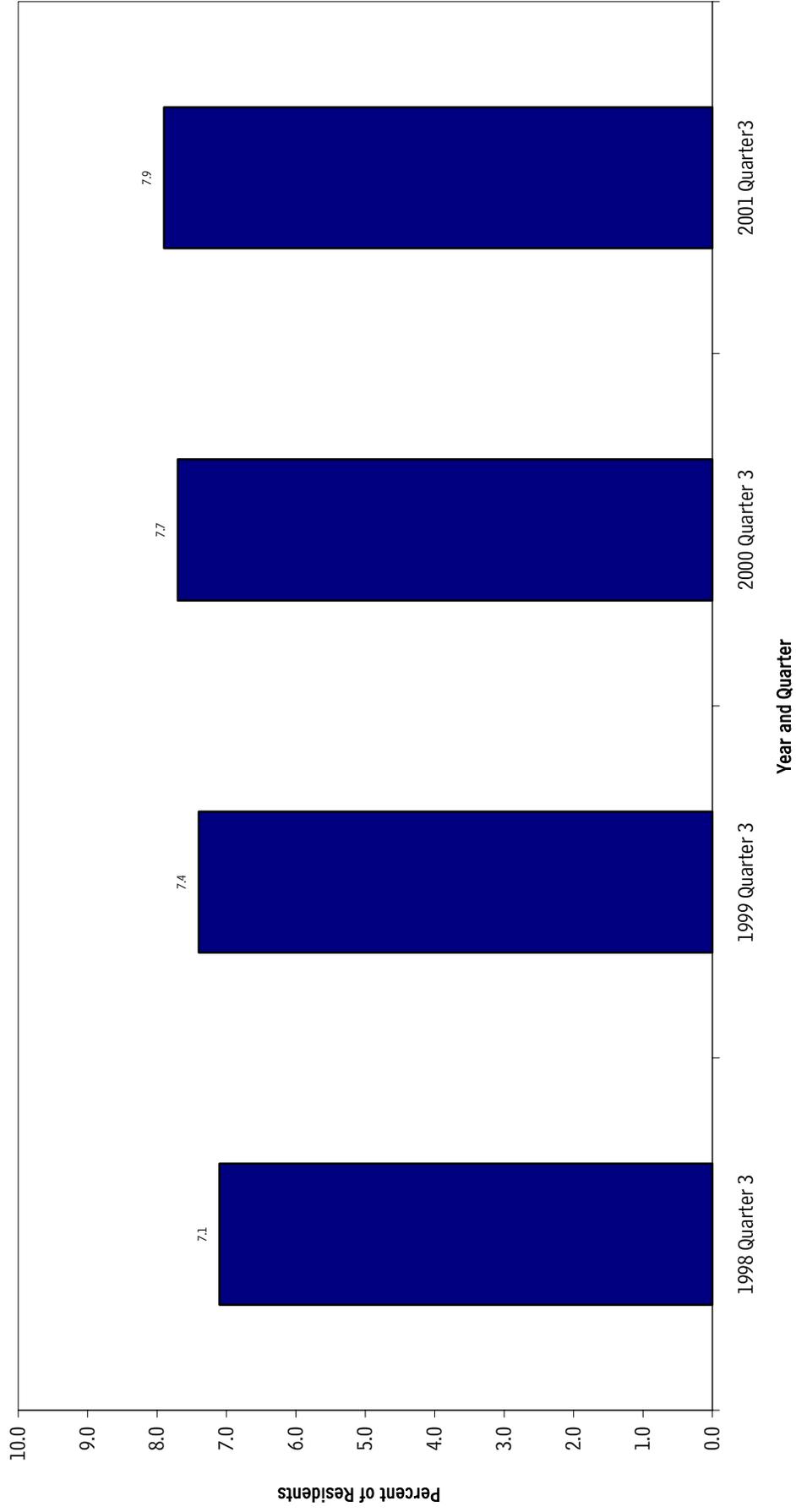
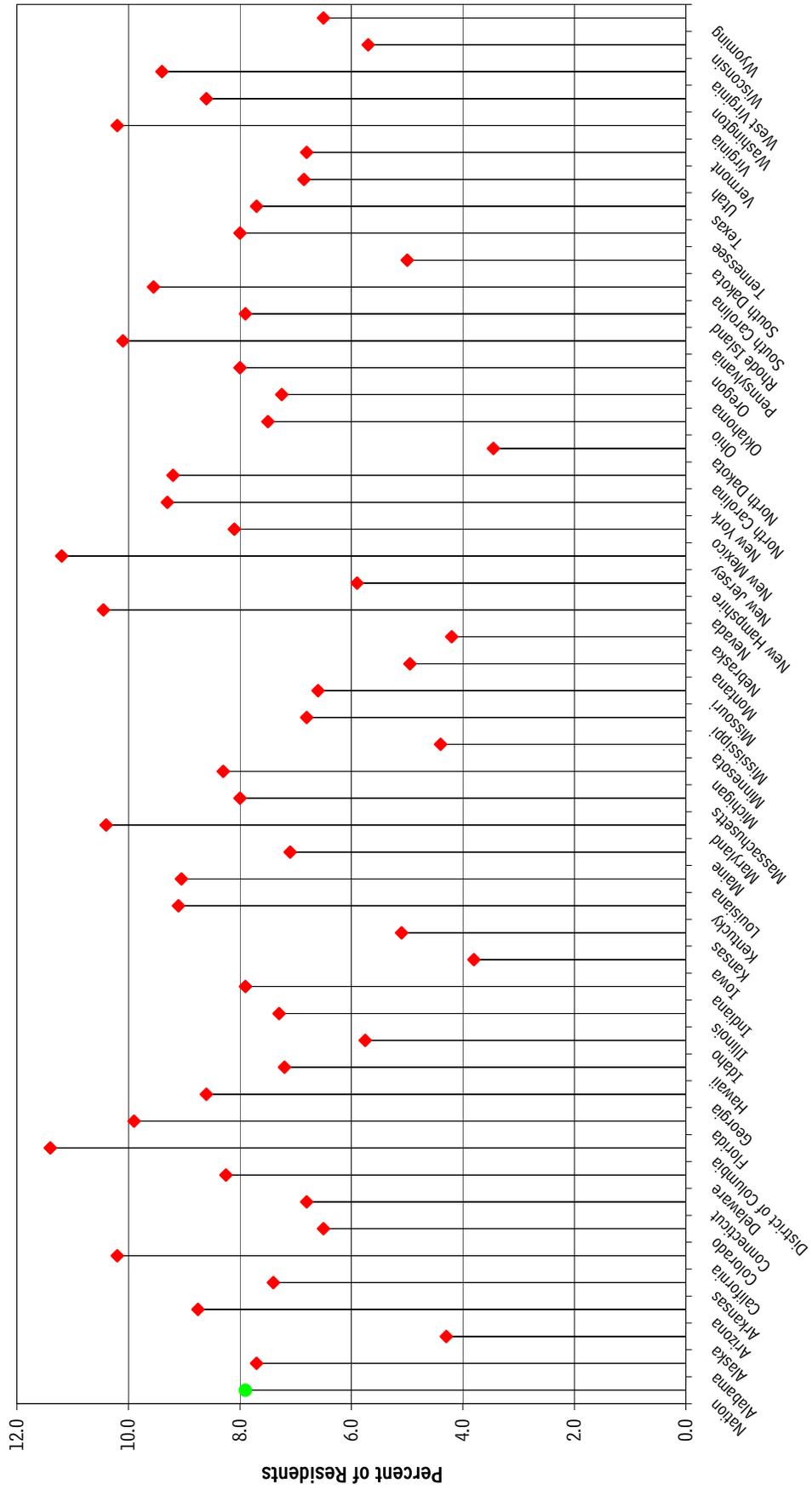
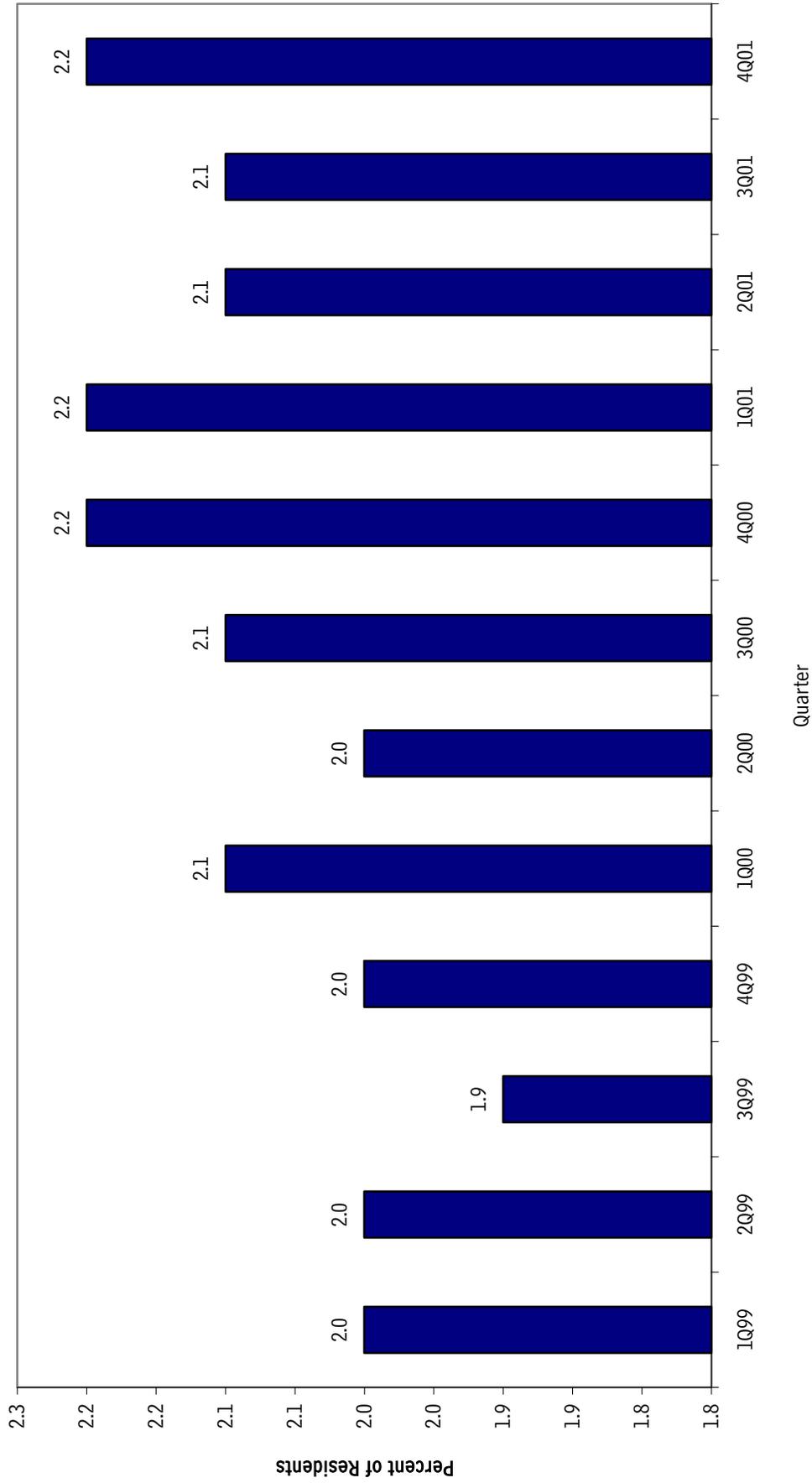


Figure 3.4. Median Pressure Ulcer Prevalence in Nursing Home Residents by State: United States, Third Quarter 2001



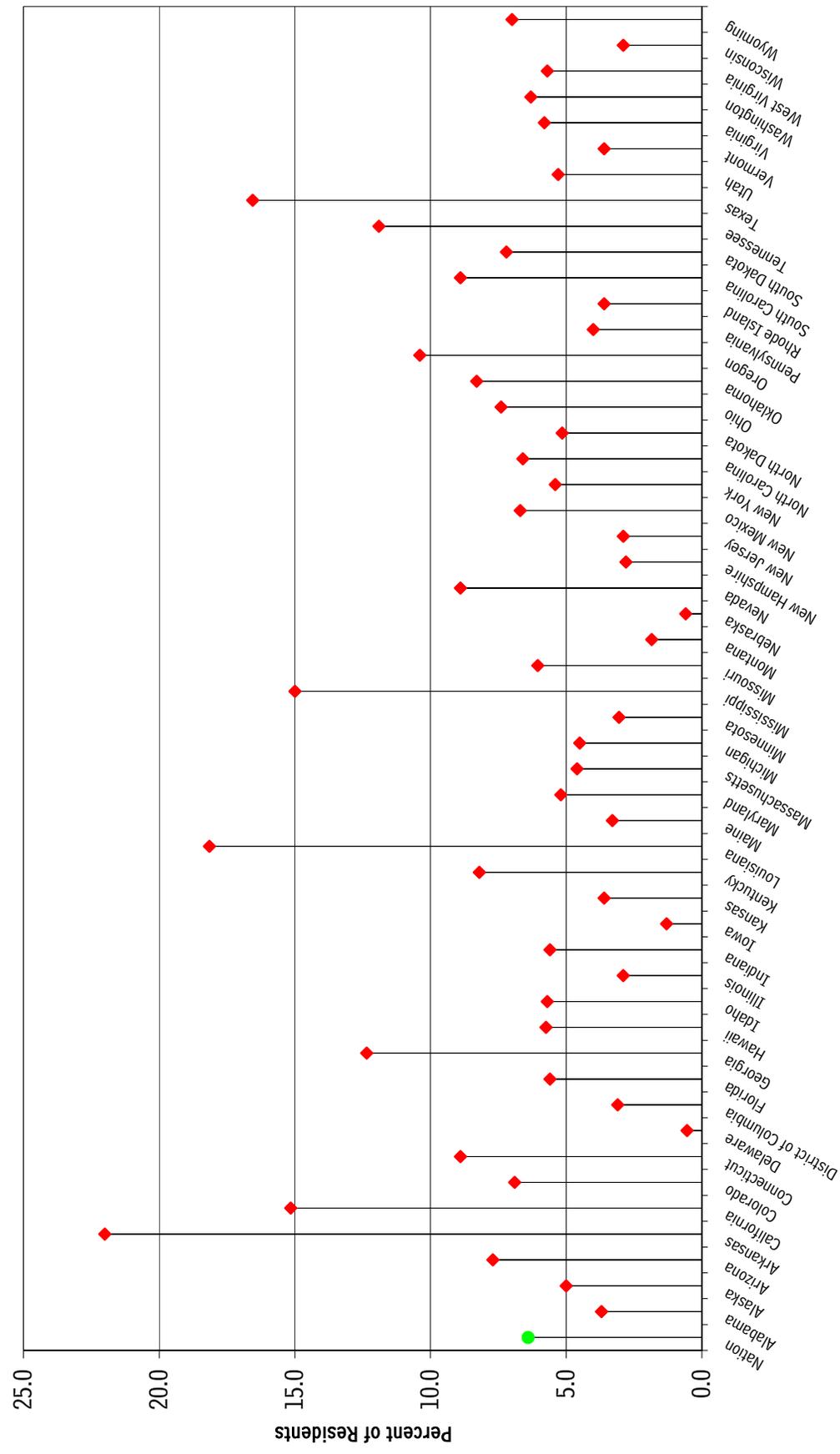
SOURCE: MDS

**Figure 3.6. Incidence of Pressure Ulcers in Nursing Home Residents by Quarter:
United States, 1999-2001**



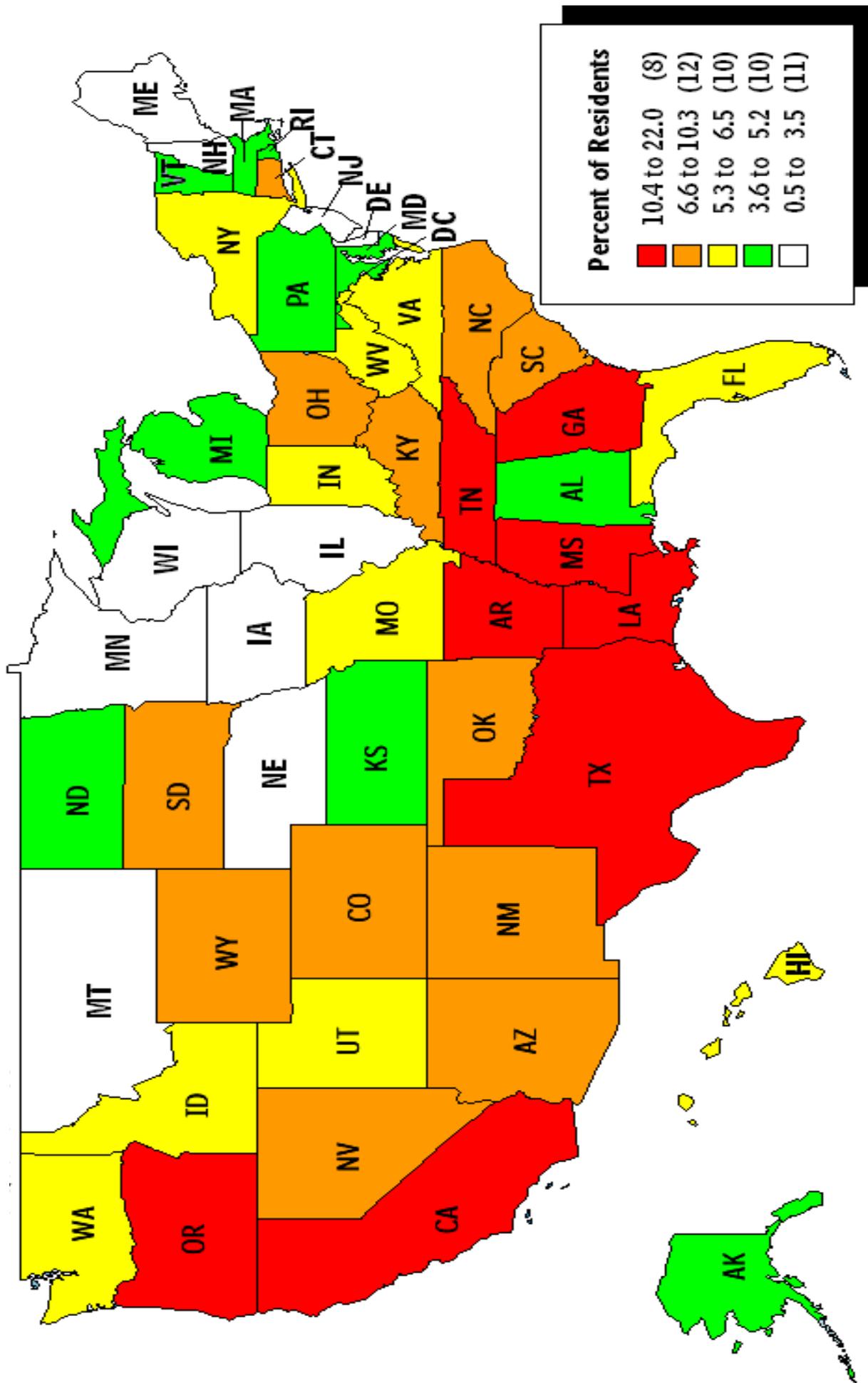
SOURCE: MDS

Figure 3.7. Median Prevalence of Use of Restraints in Nursing Home Residents by State: United States, Third Quarter 2001



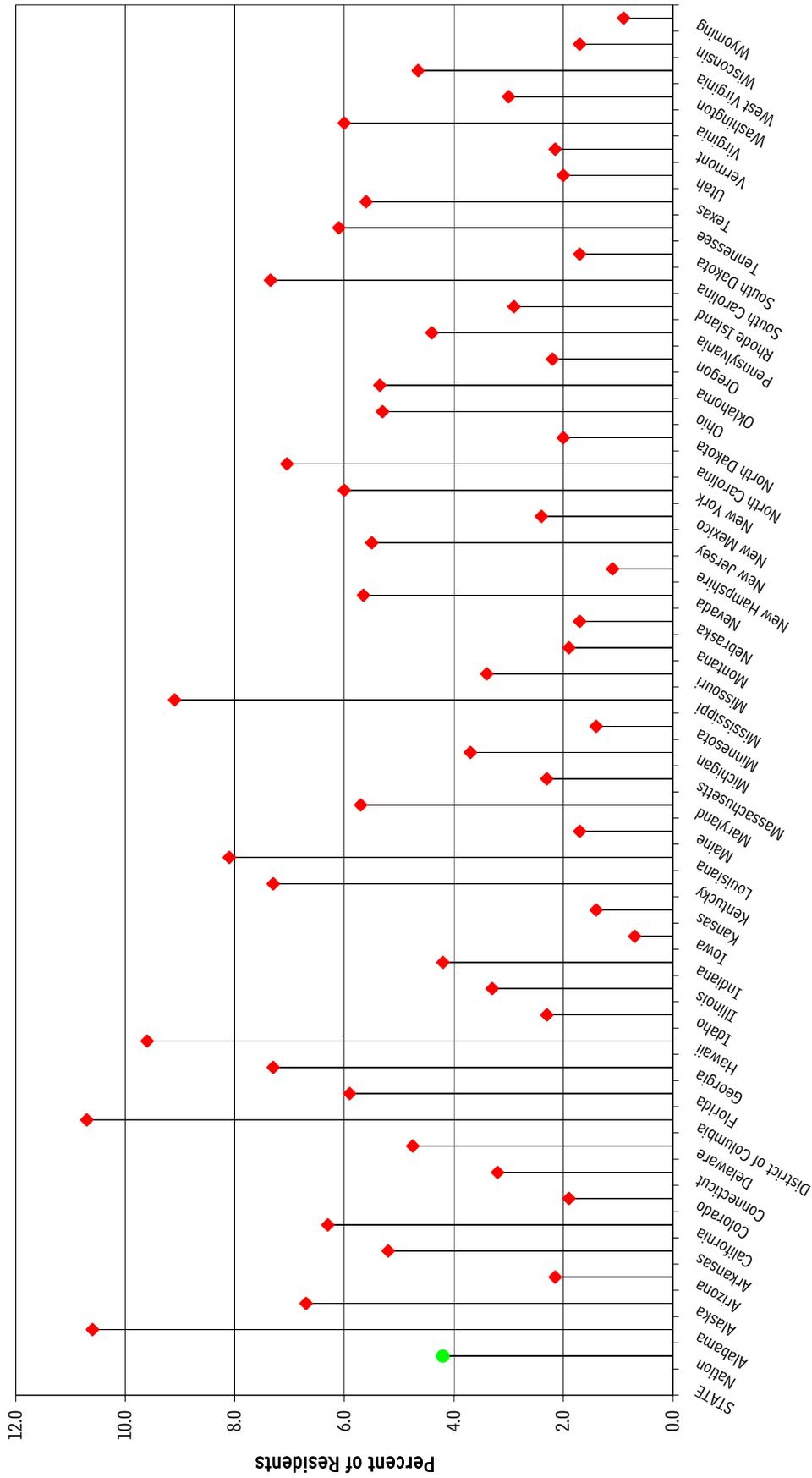
SOURCE: MDS

Figure 3.8. Median Prevalence of Use of Restraints in Nursing Home Residents by State:
United States Third Quarter 2001



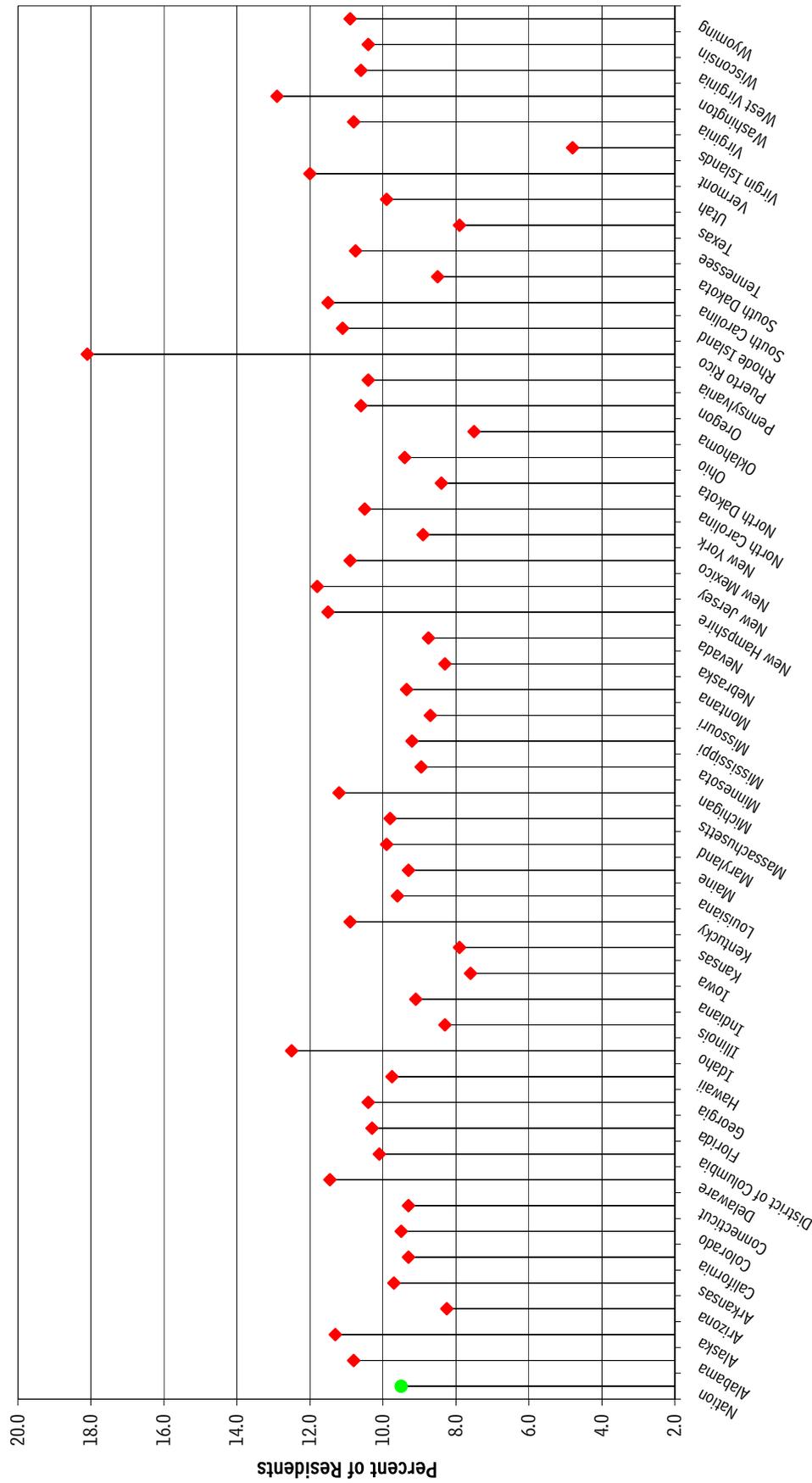
SOURCE: MDS

Figure 3.9. Median Prevalence of Tube Feeding in Nursing Home Residents by State:
United States, Third Quarter 2001



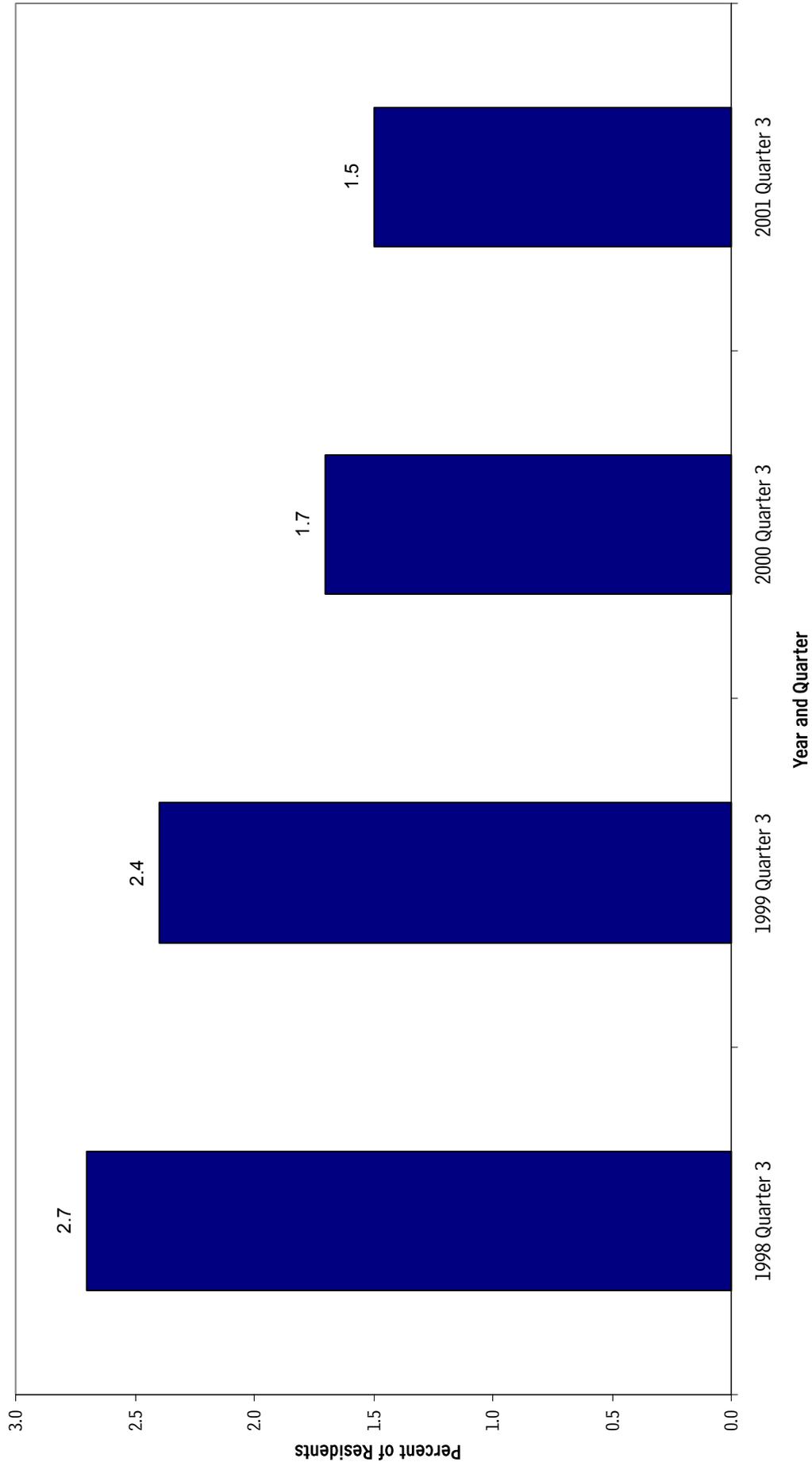
SOURCE: MDS

Figure 3.11. Median Prevalence of Weight Loss in Nursing Home Residents by State:
United States, Third Quarter 2001



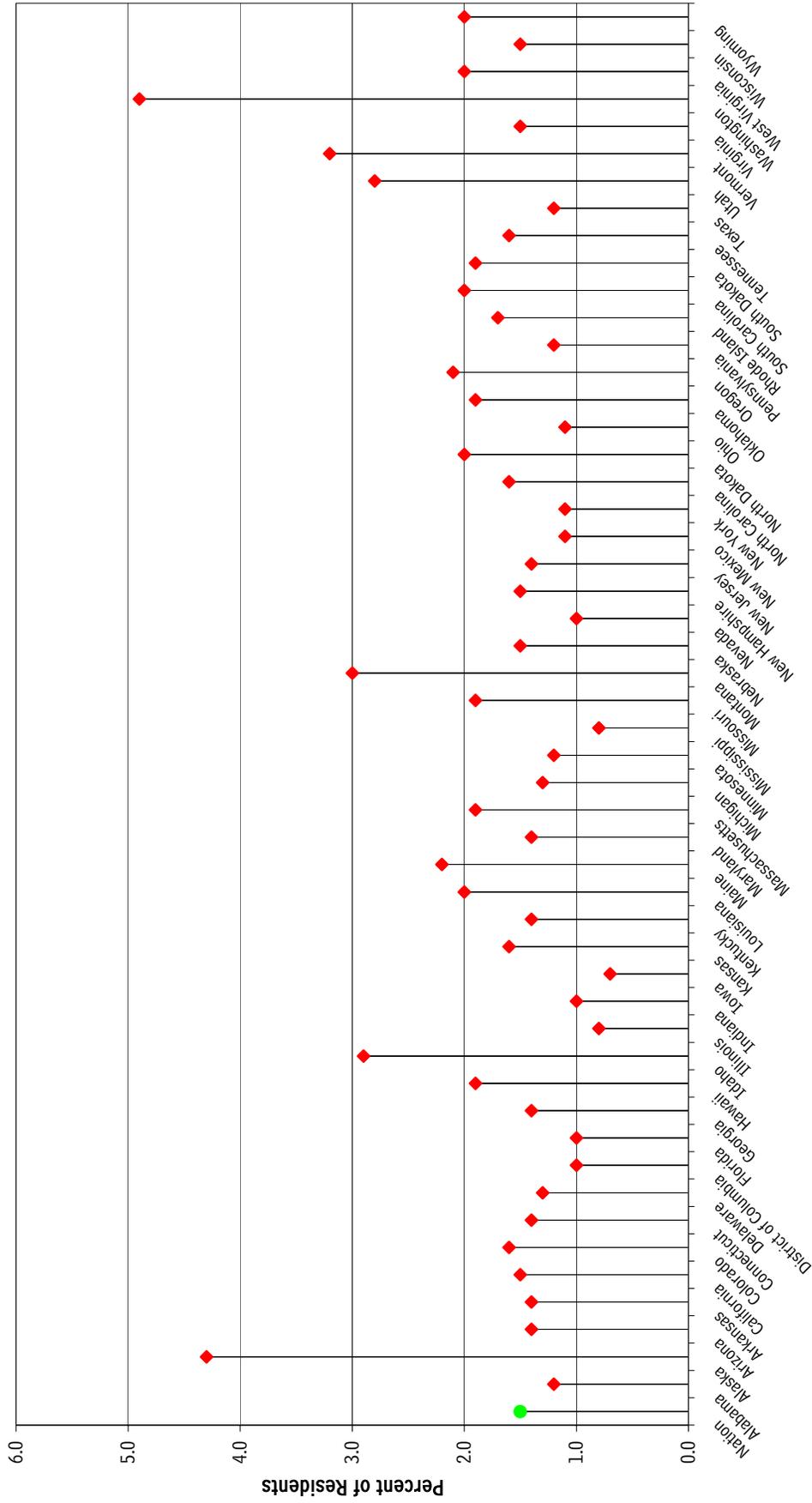
SOURCE: MDS

Figure 3.1.13. Prevalence of Dehydration in Nursing Home Residents at the 90th percentile by year:
United States, Third Quarter 1998-2001



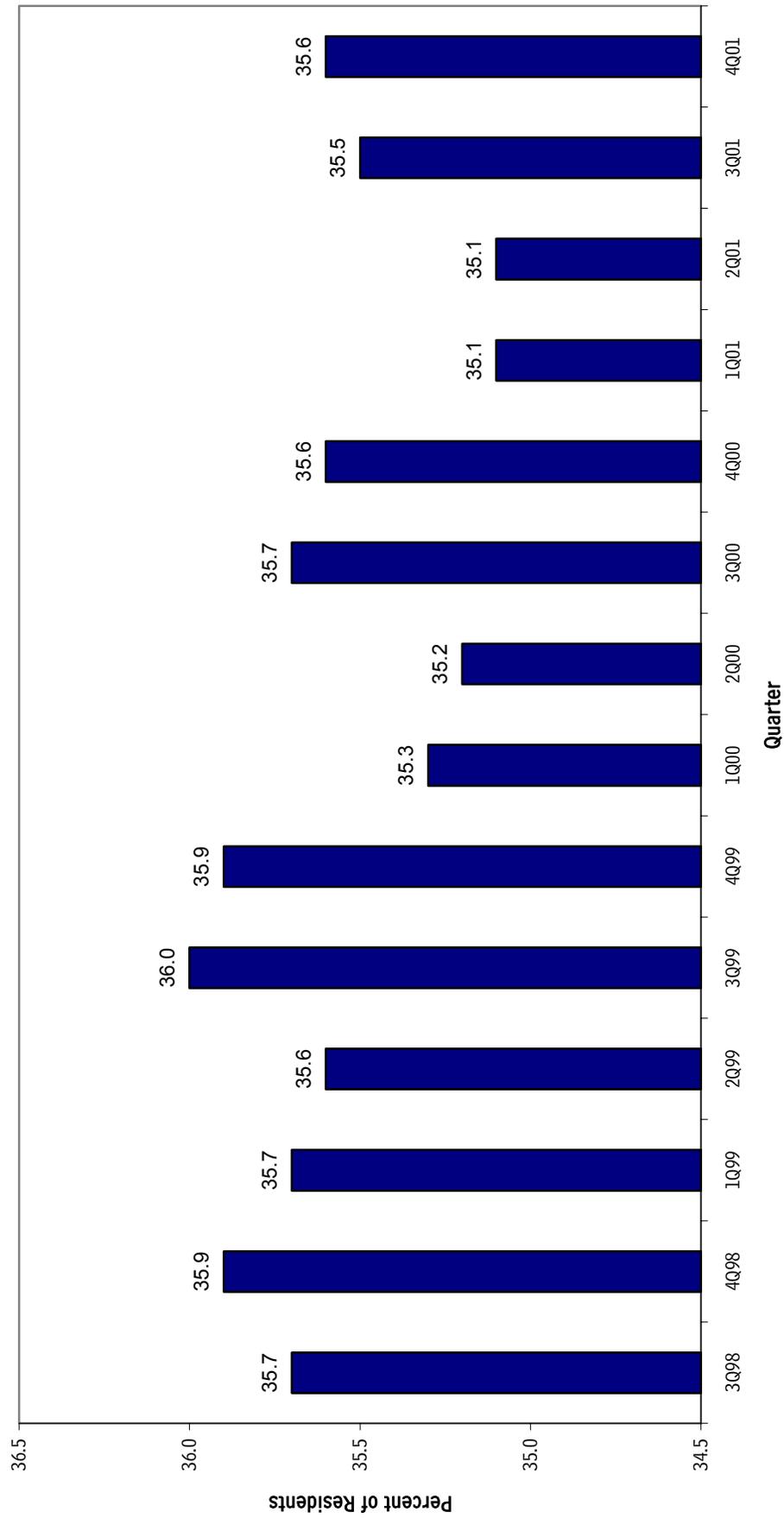
SOURCE:MDS

Figure 3.14. Prevalence of Dehydration in Nursing Home Residents at the 90th percentile by State: United States, Third Quarter 2001



SOURCE: MDS

**Figure 3.15. Prevalence of Severe Bowel and Bladder Incontinence in Nursing Home Residents:
United States, Quarterly 1998-2001**



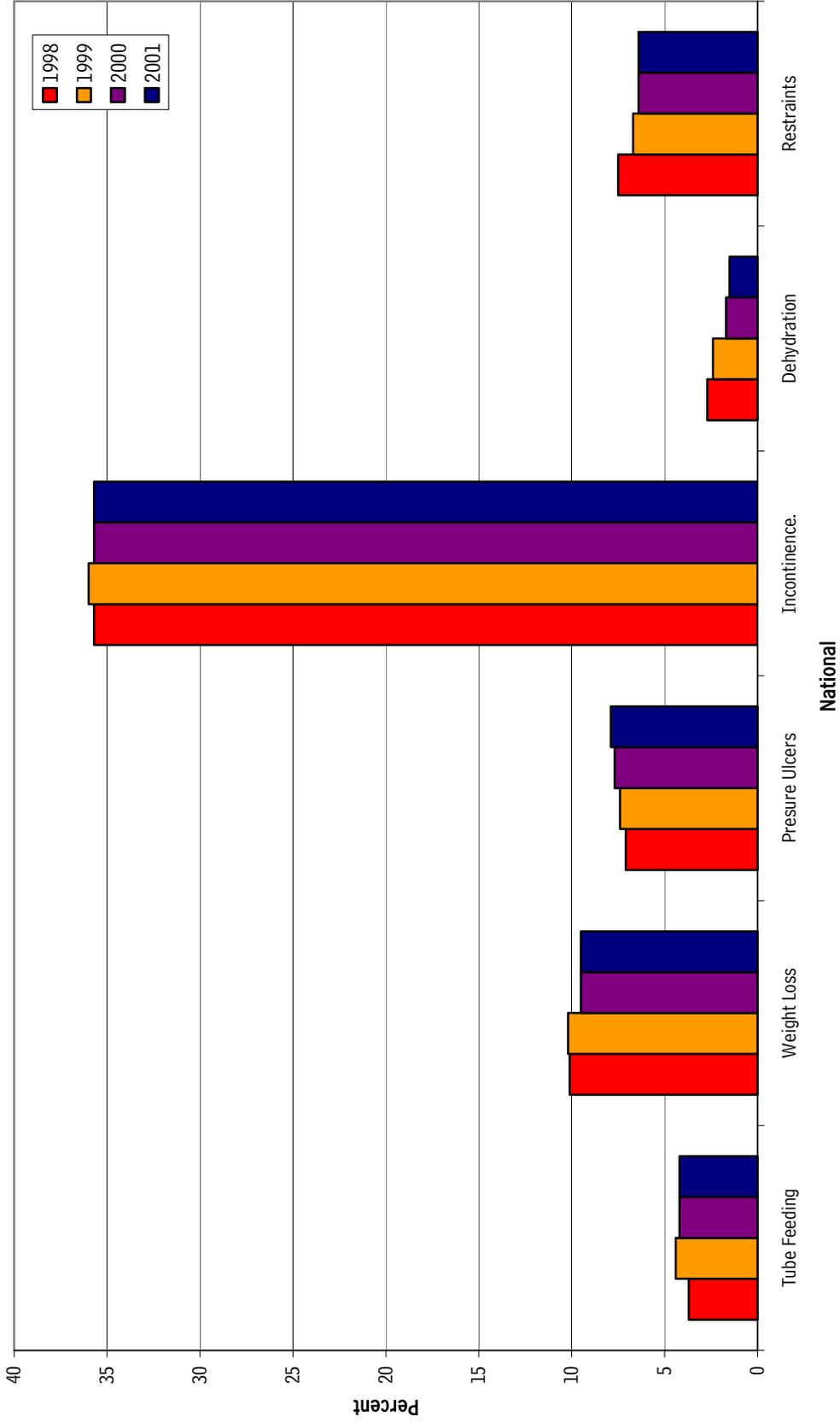
SOURCE: MDS

Figure 3.16. Median Prevalence of Severe Bowel or Bladder Incontinence in Nursing Home Residents by State: United States, Third Quarter 2001



SOURCE: MDS

Figure 3.18. Trend of Prevalence of Tube Feeding, Weight Loss, Pressure Ulcers, Incontinence, Dehydration and Restraints Usage in Nursing Homes: United States, 1998-2001



SOURCE: MDS

Table 3.1. Summary of Incidence and Prevalence of Clinical Measures in Nursing Home Residents: United States, Quarterly 1998-2001

Clinical Measure	Percent of Residents, 50th Percentile													
	Calendar Quarters													
	1998 Qtr3	1998 Qtr4	1999 Qtr1	1999 Qtr2	1999 Qtr3	1999 Qtr4	2000 Qtr1	2000 Qtr2	2000 Qtr3	2000 Qtr4	2001 Qtr1	2001 Qtr2	2001 Qtr3	2001 Qtr4
<i>Pressure Ulcer</i>														
<i>Prevalence</i>	7.1	7.2	7.8	7.7	7.4	7.3	7.9	7.6	7.7	7.9	8.3	8.1	7.9	8.1
<i>Pressure Ulcer</i>														
<i>Incidence</i>	n/a	1.7	2.0	2.0	1.9	2.0	2.1	2.0	2.1	2.2	2.2	2.1	2.1	2.2
<i>Restraints</i>														
<i>Prevalence</i>	7.5	7.2	6.9	6.8	6.7	6.5	6.3	6.3	6.4	6.3	6.3	6.3	6.3	6.2
<i>Restraints</i>														
<i>Incidence</i>	n/a	1.0	1.0	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
<i>Incontinence</i>														
<i>Prevalence</i>	35.7	35.9	35.7	35.6	36.0	35.9	35.3	35.2	35.7	35.6	35.1	35.1	35.5	35.6
<i>Tube Feeding</i>														
<i>Prevalence</i>	3.7	3.8	4.4	4.2	4.2	4.4	4.4	4.3	4.3	4.3	4.2	4.2	4.2	4.2
<i>Weight Loss</i>														
<i>Prevalence</i>	10.1	10.1	11.4	10.8	10.2	9.9	10.7	9.7	9.5	9.6	10.1	9.7	9.5	9.3

Source: MDS

Table 3.2. Distribution of Activity of Daily Living (ADL) Impairments in Nursing Home Residents by Type of Nursing Home: United States, 1999-2001

1999	Percent of Residents by Number of ADL Impairments					
	0	1	2	3	4	5
Nation	36.1	9.5	8.9	10.0	16.4	19.0
<i>Ownership</i>						
For-Profit	35.2	8.7	8.9	10.2	16.8	20.2
Voluntary nonprofit	37.3	10.7	9.1	9.8	16.2	16.9
Government	32.8	9.7	9.1	10.4	16.0	21.9
<i>Certification</i>						
Medicare and Medicaid	34.3	9.0	9.0	10.3	17.1	20.2
Medicare only	43.7	13.1	8.8	8.7	13.6	12.0
Medicaid only	41.2	8.0	8.2	9.7	13.8	19.1
<i>Bed Size</i>						
Less than 50	43.4	12.6	8.5	8.6	13.7	13.2
50 - 99	35.5	8.9	8.7	9.9	17.2	19.7
100 - 199	34.6	8.9	9.0	10.2	17.2	20.2
200 or more	33.6	9.2	9.4	11.2	16.1	20.5
2000	Percent of Residents by Number of ADL Impairments					
	0	1	2	3	4	5
Nation	35.6	9.5	8.8	10.0	17.2	18.9
<i>Ownership</i>						
For-Profit	35.0	8.7	8.7	10.1	17.6	20.0
Voluntary nonprofit	36.6	11.0	9.0	9.8	16.8	16.8
Government	32.9	9.8	8.9	10.1	16.6	21.8
<i>Certification</i>						
Medicare and Medicaid	34.1	9.0	8.8	10.2	17.9	20.0
Medicare only	42.7	13.8	8.8	8.7	14.5	11.6
Medicaid only	40.9	8.1	8.2	9.7	14.0	19.1
<i>Bed Size</i>						
Less than 50	43.0	12.9	8.5	8.5	14.2	12.8
50 - 99	35.1	9.1	8.6	9.7	17.9	19.6
100 - 199	34.2	8.9	8.8	10.2	17.9	20.0
200 or more	33.3	9.3	9.2	11.0	16.8	20.3
2001	Percent of Residents by Number of ADL Impairments					
	0	1	2	3	4	5
Nation	34.8	9.4	8.7	9.9	18.2	18.9
<i>Ownership</i>						
For-Profit	34.4	8.6	8.5	10.0	18.7	19.9
Voluntary nonprofit	35.9	10.9	9.1	9.7	17.8	16.7
Government	33.0	9.9	8.8	9.9	17.0	21.3
<i>Certification</i>						
Medicare and Medicaid	33.4	8.9	8.7	10.1	18.9	20.0
Medicare only	42.2	14.0	8.9	8.6	15.4	10.8
Medicaid only	42.3	7.8	7.8	9.5	14.0	18.6
<i>Bed Size</i>						
Less than 50	42.4	13.5	8.7	8.3	15.2	12.0
50 - 99	34.7	8.9	8.4	9.7	18.7	19.6
100 - 199	33.6	8.8	8.7	10.0	19.0	19.9
200 or more	32.3	8.6	9.1	11.1	17.9	21.0

Source: MDS and OSCAR

Table 3.3 (a). Distribution of Activity of Daily Living (ADL) Impairments in Nursing Home Residents: United States, 1999

Nation	Residents	Percent by Number of ADL Impairments					
		0	1	2	3	4	5
Nation	3,309,646	36.1	9.5	8.9	10.0	16.4	19.0
Alabama	44,289	32.2	8.2	8.5	10.3	15.1	25.7
Alaska	1,328	37.3	8.1	7.1	10.0	14.8	22.6
Arizona	42,450	41.1	12.1	9.2	10.0	14.5	13.2
Arkansas	38,201	39.8	9.4	7.4	9.0	13.5	20.9
California	287,330	31.1	9.3	9.6	10.1	18.0	22.0
Colorado	38,650	47.0	9.6	9.4	9.1	13.7	11.2
Connecticut	62,264	42.4	10.3	8.9	9.7	14.0	14.7
Delaware	8,197	38.4	8.7	8.9	10.2	14.8	19.0
District of Columbia	5,246	33.3	8.2	9.9	11.3	16.0	21.3
Florida	202,793	37.7	9.4	9.6	9.8	16.3	17.3
Georgia	65,471	33.1	8.8	9.2	11.0	15.3	22.7
Hawaii	7,149	28.5	8.1	8.5	9.7	15.4	29.8
Idaho	12,906	42.7	8.9	8.8	10.1	15.6	13.9
Illinois	185,371	46.9	9.0	8.2	8.8	12.9	14.1
Indiana	94,911	40.5	10.9	7.6	8.8	14.9	17.3
Iowa	55,707	43.2	11.1	8.7	9.8	14.5	12.6
Kansas	44,881	43.9	8.5	7.6	9.1	15.8	15.2
Kentucky	52,015	27.8	10.8	8.7	9.0	16.9	26.8
Louisiana	59,188	37.7	9.2	7.6	10.0	12.3	23.2
Maine	19,234	23.7	7.5	7.5	8.6	31.3	21.3
Maryland	63,691	32.0	8.8	9.3	10.1	18.1	21.7
Massachusetts	113,260	38.0	11.4	8.9	8.2	17.6	15.9
Michigan	90,064	36.0	9.2	10.3	11.1	15.9	17.5
Minnesota	75,782	33.6	9.9	8.8	8.3	21.8	17.5
Mississippi	30,250	34.1	8.2	7.3	9.0	17.2	24.3
Missouri	92,527	42.4	8.8	8.4	8.9	14.8	16.7
Montana	13,444	44.0	11.3	8.9	8.8	13.4	13.5
Nebraska	30,462	40.3	9.1	8.2	9.0	18.1	15.3
Nevada	10,503	37.4	9.4	9.3	12.4	15.4	16.2
New Hampshire	13,973	41.2	11.0	8.6	9.0	15.6	14.5
New Jersey	100,500	39.2	9.1	9.7	11.0	14.6	16.3
New Mexico	13,481	42.6	9.5	9.7	9.9	14.4	14.0
New York	202,589	29.6	9.4	10.3	14.0	15.7	21.1
North Carolina	76,084	32.0	9.0	9.4	10.9	15.6	23.2
North Dakota	11,518	33.9	12.1	9.1	9.1	17.5	18.3
Ohio	184,351	34.9	9.8	8.7	9.3	18.1	19.0
Oklahoma	49,553	40.6	9.9	7.8	9.1	13.2	19.3
Oregon	27,633	37.0	9.3	9.0	10.7	17.5	16.5
Pennsylvania	194,611	31.7	9.0	7.9	8.9	21.0	21.5
Rhode Island	18,071	40.6	10.9	10.2	10.4	13.3	14.6
South Carolina	34,258	29.3	9.4	10.1	12.4	15.9	22.9
South Dakota	12,507	40.5	8.2	6.9	8.1	19.2	17.0
Tennessee	77,250	30.4	10.0	9.5	10.8	16.2	23.1
Texas	193,761	35.1	8.7	8.1	10.6	15.7	21.8
Utah	16,656	40.4	10.8	10.2	9.5	16.1	12.9
Vermont	6,614	30.8	11.1	9.2	9.5	20.7	18.7
Virginia	58,931	27.1	9.1	10.5	11.7	17.4	24.2
Washington	63,240	35.1	9.9	9.2	9.3	19.2	17.3
West Virginia	24,309	31.3	10.8	8.0	10.0	17.6	22.3
Wisconsin	76,947	42.7	9.4	9.0	10.5	14.5	13.9
Wyoming	5,245	45.3	9.0	10.2	10.1	12.9	12.6

Source: MDS

Table 3.3 (b). Distribution of Activity of Daily Living (ADL) Impairments in Nursing Home Residents: United States, 2000

Nation	Residents	Percent of Residents by Number of ADL Impairments					
		0	1	2	3	4	5
Nation	3,303,369	35.6	9.5	8.8	10.0	17.2	18.9
Alabama	45,896	32.9	8.0	8.1	10.2	15.6	25.2
Alaska	1,417	36.4	8.4	6.6	9.2	16.0	23.4
Arizona	41,260	41.6	10.1	9.3	10.1	16.0	12.9
Arkansas	36,623	39.1	9.1	7.3	9.3	14.2	21.0
California	282,158	30.6	9.1	9.5	10.0	18.5	22.3
Colorado	39,222	45.2	9.8	9.2	9.4	14.7	11.7
Connecticut	63,079	40.9	10.6	9.0	9.9	15.0	14.6
Delaware	8,256	36.6	9.1	9.6	10.1	15.6	19.1
District of Columbia	5,354	33.9	9.0	9.7	10.4	16.7	20.4
Florida	207,849	37.0	9.6	9.4	9.6	17.2	17.2
Georgia	65,073	32.6	8.7	9.3	11.3	15.6	22.5
Hawaii	7,441	26.7	9.4	8.6	9.6	15.9	29.8
Idaho	13,191	41.4	8.9	8.3	9.6	16.8	14.9
Illinois	182,569	47.1	9.2	7.9	8.7	13.3	13.8
Indiana	94,347	39.0	10.9	7.4	8.8	16.2	17.7
Iowa	55,039	41.3	11.7	8.7	9.5	15.8	13.0
Kansas	43,839	43.4	8.3	7.7	9.3	16.1	15.2
Kentucky	51,234	28.0	11.6	8.0	8.5	17.9	25.9
Louisiana	56,903	37.6	9.4	7.6	10.1	12.6	22.7
Maine	19,387	22.9	7.3	6.9	8.6	33.3	21.0
Maryland	65,095	31.1	8.9	8.8	10.4	19.0	21.8
Massachusetts	112,695	37.5	11.4	8.7	8.5	18.5	15.3
Michigan	89,828	35.5	9.6	9.9	10.9	16.8	17.3
Minnesota	75,047	33.1	9.8	8.9	8.1	22.5	17.6
Mississippi	29,244	34.1	7.5	6.7	8.4	18.2	25.0
Missouri	87,206	43.1	8.8	8.3	9.0	14.8	16.0
Montana	13,634	44.6	10.4	8.6	8.7	14.2	13.5
Nebraska	30,027	41.5	9.0	7.9	8.7	18.1	14.9
Nevada	11,649	37.1	9.6	9.4	11.6	16.6	15.8
New Hampshire	14,433	42.4	11.0	8.4	8.5	16.1	13.6
New Jersey	105,521	39.4	8.8	9.4	11.0	15.1	16.3
New Mexico	13,476	42.1	9.0	10.0	9.8	14.8	14.2
New York	210,847	29.9	9.5	10.0	13.8	16.2	20.7
North Carolina	78,104	31.4	8.7	9.4	10.8	16.4	23.3
North Dakota	10,910	32.8	10.6	8.6	8.7	19.7	19.6
Ohio	185,351	33.7	9.9	8.5	9.2	19.9	18.9
Oklahoma	47,815	41.8	9.4	7.6	9.2	13.2	18.9
Oregon	26,602	37.5	9.2	9.1	10.4	18.2	15.7
Pennsylvania	191,351	30.5	9.0	7.7	8.7	22.3	21.8
Rhode Island	18,390	40.1	11.2	10.2	9.9	14.4	14.2
South Carolina	35,480	28.5	9.5	9.9	12.8	16.5	22.8
South Dakota	12,235	38.7	8.6	7.3	8.0	19.6	17.8
Tennessee	76,411	28.9	10.5	9.5	10.7	16.9	23.4
Texas	189,978	35.4	8.8	7.9	10.7	15.7	21.5
Utah	17,236	39.1	10.2	10.3	9.6	17.4	13.4
Vermont	6,635	30.7	11.7	8.6	9.2	20.1	19.6
Virginia	59,637	26.3	8.9	10.5	11.5	18.9	23.8
Washington	62,591	34.2	10.4	8.8	9.0	20.2	17.5
West Virginia	24,135	32.9	10.1	7.5	9.8	17.9	21.8
Wisconsin	76,518	42.2	9.3	9.1	10.4	15.2	13.8
Wyoming	5,151	45.2	9.0	9.3	9.6	13.8	13.1

Source: MDS

Table 3.3 (c). Distribution of Activity of Daily Living (ADL) Impairments in Nursing Home Residents: United States, 2001

Nation	Residents	Percent of Residents by Number of ADL Impairments					
		0	1	2	3	4	5
Nation	3,317,005	34.8	9.4	8.7	9.9	18.2	18.9
Alabama	47,698	32.8	8.2	8.3	9.9	16.4	24.4
Alaska	1,398	36.5	8.5	6.6	8.7	16.1	23.7
Arizona	40,556	41.7	9.7	8.8	10.1	17.0	12.6
Arkansas	36,140	39.6	9.0	7.4	9.2	14.0	21.0
California	276,840	30.0	8.7	9.1	9.9	19.6	22.7
Colorado	39,581	44.7	9.6	9.0	9.3	15.6	11.8
Connecticut	64,293	39.9	10.2	8.9	9.6	16.3	15.0
Delaware	8,834	36.5	8.1	9.1	10.5	17.2	18.7
District of Columbia	5,540	31.2	8.6	9.9	11.9	19.1	19.3
Florida	210,535	36.4	9.4	9.3	9.7	18.3	16.9
Georgia	65,781	31.7	8.1	8.8	11.0	17.0	23.4
Hawaii	7,796	25.5	8.9	7.9	9.0	17.9	30.8
Idaho	13,739	39.7	8.8	7.8	8.8	19.1	15.8
Illinois	181,293	46.4	8.9	8.2	8.9	13.9	13.7
Indiana	93,695	37.3	11.6	7.2	8.8	17.1	17.9
Iowa	55,239	39.9	11.5	8.9	9.2	16.9	13.4
Kansas	41,497	42.8	7.8	7.3	9.2	17.4	15.4
Kentucky	51,283	28.6	10.6	7.7	8.5	18.9	25.8
Louisiana	55,175	36.7	9.3	7.9	10.1	13.3	22.8
Maine	19,436	22.5	7.7	7.3	8.2	33.9	20.4
Maryland	67,546	30.1	9.0	9.0	10.1	20.6	21.3
Massachusetts	111,797	36.8	11.5	8.7	8.7	19.1	15.1
Michigan	91,555	34.3	9.8	9.6	10.7	18.5	17.2
Minnesota	75,939	32.8	10.1	8.8	8.2	22.8	17.4
Mississippi	29,235	33.6	7.1	6.5	8.6	18.7	25.5
Missouri	84,713	43.0	8.7	8.0	9.2	15.6	15.6
Montana	13,634	44.9	10.2	8.7	8.1	15.1	12.9
Nebraska	29,850	39.8	9.2	7.9	8.8	19.1	15.1
Nevada	11,884	36.7	9.4	9.1	11.1	16.6	17.1
New Hampshire	14,445	40.6	11.3	8.7	8.3	17.5	13.6
New Jersey	109,959	38.0	8.8	9.3	10.8	16.7	16.4
New Mexico	13,731	43.5	8.9	9.3	9.2	14.9	14.2
New York	217,294	29.5	9.5	10.0	13.7	16.9	20.5
North Carolina	80,724	31.4	8.3	9.2	10.7	17.2	23.1
North Dakota	11,219	32.3	11.3	8.6	8.3	20.8	18.8
Ohio	187,379	32.3	9.9	8.5	8.9	21.8	18.6
Oklahoma	46,447	42.1	9.2	7.6	9.4	13.7	18.0
Oregon	27,177	36.7	9.3	9.3	10.4	19.5	14.8
Pennsylvania	189,557	28.7	9.0	7.7	8.4	23.6	22.5
Rhode Island	18,506	39.0	11.6	10.1	9.7	15.3	14.3
South Carolina	35,879	28.7	9.4	9.7	12.6	17.2	22.4
South Dakota	12,251	37.7	8.7	6.5	7.5	22.2	17.4
Tennessee	77,562	28.8	11.0	9.1	10.4	17.6	23.1
Texas	187,831	34.7	8.5	7.9	11.0	16.3	21.6
Utah	17,427	37.7	10.6	10.7	9.2	18.6	13.3
Vermont	6,745	29.1	11.1	8.4	8.2	23.8	19.3
Virginia	62,070	26.0	8.8	10.1	11.4	19.9	23.9
Washington	62,351	32.1	10.0	9.1	9.0	22.2	17.6
West Virginia	24,321	34.1	10.5	7.8	8.7	17.9	21.0
Wisconsin	76,529	41.1	9.1	8.9	10.4	16.8	13.7
Wyoming	5,099	44.8	9.0	8.5	7.8	15.9	14.0

Source: MDS

Table 3.4. Distribution of Cognitive Impairments in Nursing Home Residents by Type of Nursing Home: United States, 1999-2001

	Percent of Residents						
	No Impairment (CPS=0)	Very Mild Impairment (CPS=1)	Mild Impairment (CPS=2)	Moderately Impairment (CPS=3)	Moderately Severe	Severe Impairment (CPS=5)	Very Severe Impairment (CPS=6)
					Impairment		
					(CPS=4)		
1999	28.4	12.6	12.8	22.5	6.9	7.0	9.8
<i>Nation</i>							
<i>Ownership</i>							
For-Profit	23.8	12.9	13.2	24.3	7.7	7.4	10.6
Voluntary Non-Profit	36.0	11.8	12.4	20.0	5.6	6.0	8.2
Government	25.2	12.6	11.6	22.6	6.9	8.1	12.9
<i>Certification</i>							
Medicare and Medicaid	25.3	12.4	13.2	23.8	7.5	7.2	10.5
Medicare only	54.2	11.7	10.3	12.3	2.9	3.9	4.7
Medicaid only	14.3	15.5	12.7	27.9	7.1	10.2	12.4
<i>Bed Size</i>							
Less than 50	51.7	11.9	9.9	13.5	3.0	4.4	5.6
50 - 99	24.7	12.7	13.4	24.1	7.0	7.9	10.2
100 - 199	24.1	12.6	13.3	24.5	7.5	7.4	10.5
200 or more	25.0	12.6	13.0	23.0	8.4	6.6	11.3
2000	Percent of Residents						
	No Impairment (CPS=0)	Very Mild Impairment (CPS=1)	Mild Impairment (CPS=2)	Moderately Impairment (CPS=3)	Moderately Severe	Severe Impairment (CPS=5)	Very Severe Impairment (CPS=6)
					Impairment		
					(CPS=4)		
2000	28.5	12.6	13.0	22.8	6.9	6.8	9.5
<i>Nation</i>							
<i>Ownership</i>							
For-Profit	24.7	12.9	13.4	24.2	7.6	7.1	10.1
Voluntary Non-Profit	36.2	11.8	12.5	20.1	5.5	5.9	7.9
Government	25.6	12.7	11.8	22.8	6.9	7.8	12.4
<i>Certification</i>							
Medicare and Medicaid	25.9	12.4	13.4	23.8	7.4	7.0	10.1
Medicare only	55.0	11.6	10.3	12.4	2.9	3.5	4.3
Medicaid only	14.2	15.6	12.9	28.4	7.1	9.8	12.0
<i>Bed Size</i>							
Less than 50	52.2	11.9	10.1	13.5	3.1	4.0	5.2
50 - 99	25.0	12.8	13.5	24.4	7.0	7.5	9.8
100 - 199	24.8	12.5	13.5	24.4	7.5	7.2	10.1
200 or more	25.6	12.6	13.1	23.2	8.2	6.5	10.9
2001	Percent of Residents						
	No Impairment (CPS=0)	Very Mild Impairment (CPS=1)	Mild Impairment (CPS=2)	Moderately Impairment (CPS=3)	Moderately Severe	Severe Impairment (CPS=5)	Very Severe Impairment (CPS=6)
					Impairment		
					(CPS=4)		
2001	28.5	12.6	13.0	22.8	6.9	6.7	9.5
<i>Nation</i>							
<i>Ownership</i>							
For-Profit	25.0	12.9	13.7	24.3	7.7	6.8	9.6
Voluntary Non-Profit	35.9	11.7	12.9	20.5	5.6	5.8	7.5
Government	25.8	12.5	12.2	23.4	6.8	7.5	11.8
<i>Certification</i>							
Medicare and Medicaid	26.3	12.3	13.6	24.0	7.5	6.7	9.6
Medicare only	55.4	11.6	10.8	12.3	2.8	3.3	3.8
Medicaid only	14.1	16.3	13.2	28.6	7.1	9.1	11.5
<i>Bed Size</i>							
Less than 50	52.9	11.7	10.6	13.3	3.0	3.7	4.6
50 - 99	24.7	12.8	13.8	24.8	7.1	7.3	9.4
100 - 199	25.3	12.5	13.7	24.5	7.5	6.9	9.6
200 or more	23.9	12.6	13.5	24.3	8.6	6.4	10.8

Source: MDS and OSCAR

Table 3.5 (a). Distribution of Cognitive Impairments in Nursing Home Residents by State: United States, 1999

Nation	Residents	Percent of Residents						
		No Impairment (CPS=0)	Very Mild Impairment (CPS=1)	Mild Impairment (CPS=2)	Moderate Impairment (CPS=3)	Moderately Severe Impairment (CPS=4)	Severe Impairment (CPS=5)	Very Severe Impairment (CPS=6)
Nation	3,289,107	28.4	12.6	12.8	22.5	6.9	7.0	9.8
Alabama	44,051	21.9	12.1	12.7	24.2	7.9	5.8	15.5
Alaska	1,303	28.3	13.3	12.5	22.5	7.4	7.1	8.9
Arizona	42,167	37.7	11.9	10.3	20.2	4.7	8.9	6.3
Arkansas	37,906	25.3	12.6	11.9	23.8	5.7	9.0	11.6
California	284,158	30.0	11.2	13.1	19.5	9.4	5.9	10.9
Colorado	38,474	25.6	13.9	15.4	25.5	6.4	8.4	4.8
Connecticut	62,080	31.4	13.1	13.1	22.1	5.2	6.7	8.4
Delaware	8,153	29.1	13.4	13.7	20.7	4.9	6.9	11.2
District of Columbia	5,218	30.2	11.2	12.2	20.2	6.9	5.9	13.5
Florida	201,493	35.4	11.2	11.1	20.6	6.6	6.3	8.7
Georgia	65,122	18.9	11.8	13.6	26.7	8.7	7.1	13.2
Hawaii	7,016	21.2	10.0	11.8	23.2	14.1	4.3	15.4
Idaho	12,809	29.0	12.1	14.0	24.7	7.7	7.1	5.3
Illinois	184,449	29.9	16.1	12.7	23.5	7.0	4.5	6.4
Indiana	94,402	31.4	13.7	10.4	21.9	5.3	8.4	9.0
Iowa	55,432	28.2	13.1	14.7	25.5	5.3	7.5	5.7
Kansas	44,665	23.1	13.7	14.3	26.9	6.0	9.0	6.9
Kentucky	51,542	26.7	11.9	11.6	23.6	5.8	6.5	13.9
Louisiana	58,627	27.4	14.1	12.4	20.4	5.4	6.7	13.6
Maine	19,171	27.5	12.8	11.5	23.9	5.5	11.3	7.6
Maryland	63,430	32.9	11.7	11.1	20.7	5.1	6.9	11.5
Massachusetts	112,790	33.5	12.2	11.2	22.0	5.4	6.8	8.7
Michigan	89,509	24.0	10.7	14.8	27.0	9.2	6.2	8.1
Minnesota	75,486	25.4	14.0	14.9	24.9	6.0	7.6	7.1
Mississippi	30,096	27.2	13.6	9.8	23.5	6.5	6.5	13.0
Missouri	92,015	28.4	13.5	12.4	22.6	5.3	9.3	8.4
Montana	13,367	28.4	13.9	13.9	24.4	5.5	7.8	6.0
Nebraska	30,328	26.6	13.6	14.7	25.0	6.2	7.5	6.4
Nevada	10,424	34.9	11.6	11.5	20.6	5.5	8.1	7.9
New Hampshire	13,943	26.0	12.1	13.5	26.2	6.0	8.8	7.6
New Jersey	99,958	34.9	12.1	12.8	19.7	5.3	5.6	9.7
New Mexico	13,404	28.8	13.4	12.1	23.1	5.5	10.1	7.0
New York	201,433	26.0	12.6	13.7	21.0	9.1	5.5	12.1
North Carolina	75,661	27.1	11.5	11.4	22.8	7.1	6.9	13.3
North Dakota	11,462	24.7	12.5	14.2	27.6	7.3	5.8	8.0
Ohio	183,432	26.9	12.8	12.7	24.5	7.7	6.4	9.0
Oklahoma	49,158	25.7	15.1	12.1	21.9	4.6	9.6	11.0
Oregon	27,403	27.6	12.4	13.9	25.2	7.3	6.5	7.1
Pennsylvania	193,594	31.3	12.4	11.8	20.7	6.4	6.9	10.5
Rhode Island	18,006	30.1	11.9	13.8	23.7	6.4	5.6	8.5
South Carolina	34,040	25.9	10.9	9.6	23.9	7.2	8.6	13.9
South Dakota	12,469	22.0	14.4	14.2	27.6	6.9	7.7	7.2
Tennessee	76,714	23.3	11.4	11.8	23.9	7.4	9.0	13.3
Texas	192,195	23.8	13.0	14.6	21.2	6.2	8.8	12.4
Utah	16,516	32.2	12.7	13.8	21.8	6.1	8.5	4.9
Vermont	6,597	22.2	13.5	12.2	26.8	8.2	8.4	8.7
Virginia	58,544	23.3	12.2	12.4	23.2	7.2	7.8	14.0
Washington	62,826	26.0	12.3	14.1	25.2	9.6	6.2	6.8
West Virginia	24,156	32.4	10.5	11.2	21.6	5.7	7.3	11.1
Wisconsin	76,685	27.7	12.4	15.2	24.3	6.5	7.3	6.6
Wyoming	5,228	26.5	13.6	13.0	26.9	5.9	9.3	4.8

Source: MDS

Table 3.5 (b). Distribution of Cognitive Impairments in Nursing Home Residents by State: United States, 2000

Nation	Residents	Percent of Residents						
		No Impairment (CPS=0)	Very Mild Impairment (CPS=1)	Mild Impairment (CPS=2)	Moderate Impairment (CPS=3)	Moderately Severe Impairment (CPS=4)	Severe Impairment (CPS=5)	Very Severe Impairment (CPS=6)
Nation	3,276,257	28.5	12.6	13.0	22.8	6.9	6.8	9.5
Alabama	45,657	22.4	11.8	12.8	24.7	8.2	5.5	14.6
Alaska	1,386	30.3	14.1	12.0	21.2	6.6	6.9	9.0
Arizona	40,802	37.2	11.8	10.8	20.6	5.0	8.6	6.0
Arkansas	36,280	24.0	13.1	12.3	24.4	5.9	8.7	11.5
California	278,414	29.5	11.3	13.4	19.8	9.5	5.6	10.9
Colorado	38,973	25.0	14.0	15.6	26.1	6.3	8.4	4.7
Connecticut	62,858	31.6	13.2	13.5	22.4	5.0	6.2	8.2
Delaware	8,190	28.7	13.0	15.2	20.7	4.9	6.8	10.7
District of Columbia	5,310	31.3	10.8	13.3	19.7	6.6	5.5	12.8
Florida	206,132	36.2	10.9	11.3	20.3	6.5	6.3	8.5
Georgia	64,683	18.4	11.2	14.4	27.9	8.8	6.6	12.8
Hawaii	7,317	21.7	10.2	12.3	22.6	14.4	3.3	15.4
Idaho	13,067	29.7	12.2	14.0	23.8	7.2	7.6	5.6
Illinois	180,313	30.0	16.6	13.1	23.4	6.8	4.2	5.9
Indiana	93,938	31.0	14.3	10.0	22.6	5.3	8.4	8.3
Iowa	54,745	27.7	13.4	14.7	25.8	5.4	7.5	5.6
Kansas	43,538	22.7	13.6	14.9	27.3	5.8	9.0	6.8
Kentucky	50,735	27.0	12.1	11.7	23.6	5.8	6.3	13.4
Louisiana	56,403	27.1	14.4	12.7	20.5	5.8	6.3	13.1
Maine	19,255	28.0	13.4	12.3	23.8	5.2	10.0	7.2
Maryland	64,567	33.6	11.6	11.5	20.3	5.0	7.1	10.9
Massachusetts	112,060	33.5	11.9	11.9	22.1	5.4	6.8	8.3
Michigan	89,176	24.1	10.7	15.0	27.3	9.0	6.2	7.6
Minnesota	74,747	24.9	13.8	15.2	25.2	5.8	8.0	7.0
Mississippi	29,110	25.7	14.2	9.6	23.8	6.8	6.4	13.4
Missouri	86,436	28.6	13.7	12.7	23.0	5.1	8.9	8.1
Montana	13,536	30.2	13.8	12.9	23.9	5.3	8.0	5.8
Nebraska	29,907	26.8	13.4	14.4	25.1	6.1	7.9	6.3
Nevada	11,554	35.4	10.9	11.6	21.2	6.3	7.1	7.6
New Hampshire	14,394	26.8	12.1	13.9	25.7	5.3	8.9	7.1
New Jersey	104,614	36.3	12.0	12.6	19.6	5.2	5.2	9.1
New Mexico	13,336	27.6	13.7	12.7	23.3	5.4	10.2	7.0
New York	208,366	27.2	12.3	13.9	21.0	8.9	5.1	11.6
North Carolina	77,539	26.5	11.9	12.0	22.7	7.2	6.5	13.1
North Dakota	10,851	22.8	12.6	14.4	28.7	7.3	6.1	7.9
Ohio	184,236	26.7	12.9	12.9	25.2	7.6	6.3	8.4
Oklahoma	47,270	25.8	15.8	12.8	22.4	4.3	8.8	10.0
Oregon	26,344	29.1	11.6	13.7	25.1	7.6	6.0	6.8
Pennsylvania	189,948	31.0	12.4	11.7	21.5	6.5	7.1	9.9
Rhode Island	18,335	29.9	11.9	14.5	23.8	6.5	5.5	8.0
South Carolina	35,263	25.9	11.3	9.9	24.1	6.9	8.0	13.9
South Dakota	12,191	21.7	13.8	14.6	27.4	7.7	7.4	7.5
Tennessee	75,856	23.0	11.3	12.1	24.6	7.9	8.2	12.9
Texas	188,312	23.0	13.3	14.9	21.7	6.3	8.5	12.3
Utah	17,097	31.9	12.8	14.0	22.4	6.3	7.8	4.7
Vermont	6,617	21.1	12.6	13.5	27.3	8.1	8.5	8.9
Virginia	59,323	23.8	12.6	12.4	23.6	7.3	7.3	13.1
Washington	62,178	26.6	12.1	14.5	24.8	9.5	6.0	6.6
West Virginia	23,854	32.7	10.1	11.3	22.2	5.8	7.2	10.7
Wisconsin	76,115	28.6	12.3	15.1	24.2	6.2	7.4	6.2
Wyoming	5,129	26.3	13.6	13.9	26.1	6.3	8.9	4.8

Source: MDS

Table 3.5 (c). Distribution of Cognitive Impairments in Nursing Home Residents by State: United States, 2001

Nation	Residents	Percent of Residents						
		No Impairment (CPS=0)	Very Mild Impairment (CPS=1)	Mild Impairment (CPS=2)	Moderate Impairment (CPS=3)	Moderately Severe Impairment (CPS=4)	Severe Impairment (CPS=5)	Very Severe Impairment (CPS=6)
Nation	3,284,003	28.5	12.6	13.0	22.8	6.9	6.7	9.5
Alabama	45,684	22.4	11.8	12.8	24.7	8.2	5.5	14.6
Alaska	1,390	30.3	14.0	11.9	21.3	6.6	6.8	9.0
Arizona	40,983	37.3	11.8	10.8	20.6	5.0	8.5	6.0
Arkansas	36,405	24.0	13.2	12.3	24.4	5.9	8.7	11.5
California	279,249	29.5	11.3	13.4	19.8	9.5	5.6	10.9
Colorado	39,056	25.0	14.0	15.6	26.0	6.3	8.4	4.7
Connecticut	62,920	31.6	13.2	13.5	22.4	5.0	6.2	8.2
Delaware	8,204	28.7	13.0	15.2	20.8	4.9	6.8	10.7
District of Columbia	5,321	31.3	10.7	13.3	19.7	6.6	5.5	12.8
Florida	206,499	36.2	10.9	11.3	20.3	6.5	6.3	8.5
Georgia	64,779	18.4	11.2	14.4	27.9	8.7	6.6	12.7
Hawaii	7,325	21.7	10.2	12.3	22.5	14.4	3.3	15.4
Idaho	13,082	29.6	12.2	14.0	23.8	7.2	7.6	5.6
Illinois	181,477	30.1	16.6	13.1	23.4	6.8	4.2	5.9
Indiana	93,906	31.1	14.3	10.1	22.6	5.3	8.4	8.3
Iowa	54,770	27.7	13.4	14.7	25.8	5.4	7.5	5.5
Kansas	43,638	22.6	13.7	15.0	27.2	5.8	9.0	6.8
Kentucky	50,848	27.0	12.1	11.8	23.6	5.8	6.3	13.3
Louisiana	56,475	27.2	14.4	12.7	20.5	5.8	6.3	13.1
Maine	19,300	28.0	13.4	12.3	23.8	5.2	10.0	7.2
Maryland	64,744	33.6	11.6	11.5	20.3	5.0	7.1	10.9
Massachusetts	112,242	33.5	12.0	11.9	22.1	5.4	6.8	8.3
Michigan	89,279	24.1	10.7	15.0	27.3	9.0	6.2	7.6
Minnesota	74,787	24.9	13.8	15.2	25.2	5.8	8.0	7.0
Mississippi	29,131	25.7	14.2	9.7	23.8	6.8	6.4	13.4
Missouri	86,756	28.6	13.7	12.7	23.0	5.1	8.9	8.0
Montana	13,559	30.2	13.8	12.9	24.0	5.3	8.0	5.7
Nebraska	29,901	26.8	13.4	14.4	25.1	6.1	7.9	6.3
Nevada	11,571	35.4	10.9	11.6	21.2	6.3	7.1	7.5
New Hampshire	14,401	26.8	12.1	13.9	25.7	5.3	8.9	7.1
New Jersey	104,978	36.4	12.0	12.6	19.6	5.2	5.2	9.1
New Mexico	13,395	27.7	13.7	12.7	23.2	5.4	10.2	7.0
New York	209,664	27.3	12.3	13.9	21.0	8.9	5.1	11.5
North Carolina	77,669	26.5	11.9	12.0	22.7	7.2	6.5	13.1
North Dakota	10,854	22.9	12.6	14.4	28.7	7.3	6.1	7.9
Ohio	184,447	26.7	12.9	12.9	25.2	7.5	6.3	8.4
Oklahoma	47,450	25.8	15.8	12.9	22.4	4.3	8.8	10.0
Oregon	26,410	29.2	11.6	13.7	25.1	7.6	6.0	6.8
Pennsylvania	190,378	31.0	12.4	11.7	21.4	6.5	7.1	9.9
Rhode Island	18,345	29.9	11.9	14.5	23.8	6.5	5.5	8.0
South Carolina	35,274	25.9	11.3	9.9	24.1	6.9	7.9	13.9
South Dakota	12,197	21.7	13.7	14.6	27.4	7.7	7.4	7.5
Tennessee	75,944	23.0	11.3	12.1	24.6	7.9	8.2	12.9
Texas	188,621	23.0	13.3	14.9	21.7	6.3	8.5	12.2
Utah	17,136	31.9	12.8	14.0	22.4	6.3	7.8	4.7
Vermont	6,619	21.1	12.6	13.5	27.3	8.1	8.5	8.9
Virginia	59,334	23.8	12.6	12.4	23.5	7.3	7.3	13.1
Washington	62,197	26.6	12.0	14.5	24.8	9.5	6.0	6.6
West Virginia	23,981	32.8	10.1	11.3	22.2	5.7	7.2	10.7
Wisconsin	76,287	28.6	12.3	15.1	24.3	6.2	7.4	6.2
Wyoming	5,141	26.2	13.7	14.0	26.1	6.3	8.9	4.8

Source: MDS

Table 3.6. Prevalence of Pressure Ulcers in Residents by State at the 90th, Median, and 10th Percentile: United States, Quarterly 1999-2001

1999													
Percent of Residents													
Nation	Percentile	Quarter 1			Quarter 2			Quarter 3			Quarter 4		
		90th	Median	10th									
		15.5	7.8	2.0	15.2	7.7	2.0	14.8	7.4	1.8	14.9	7.3	1.9
<i>Ownership</i>													
For-Profit		15.5	8.2	2.6	15.2	8.1	2.5	14.9	7.8	2.3	14.8	7.8	2.4
Voluntary Non-Profit		15.0	7.1	1.8	15.0	7.1	1.8	14.2	6.7	1.6	14.8	6.7	1.6
Government		14.0	6.2	1.2	13.5	6.2	1.4	13.4	5.7	0.9	13.5	5.8	0.6
<i>Certification</i>													
Medicare and Medicaid		15.4	8.2	2.7	15.1	8.0	2.7	14.6	7.7	2.5	14.7	7.7	2.6
Medicare only		20.4	9.5	2.6	20.3	10.0	3.0	20.3	9.4	2.5	20.9	9.5	2.9
Medicaid only		10.7	4.3	0.0	10.6	4.3	0.0	10.0	4.0	0.0	10.3	4.0	0.0
<i>Bed Size</i>													
Less than 50		18.2	6.8	0.0	17.7	7.0	0.0	17.5	6.7	0.0	18.4	6.7	0.0
50 - 99		14.7	6.8	1.6	14.3	6.7	1.6	13.9	6.3	1.5	13.9	6.3	1.5
100 - 199		14.9	8.5	3.4	14.9	8.3	3.3	14.4	7.9	3.1	14.3	8.0	3.1
200 or more		15.7	9.1	4.4	15.5	9.2	4.3	15.0	8.8	4.2	15.3	8.7	4.3
2000													
Percent of Residents													
Nation	Percentile	Quarter 1			Quarter 2			Quarter 3			Quarter 4		
		90th	Median	10th									
		15.6	7.9	2.1	15.2	7.6	2.0	15.2	7.7	2.1	15.5	7.9	2.2
<i>Ownership</i>													
For-Profit		15.6	8.3	2.6	15.2	8.1	2.6	15.2	8.2	2.7	15.4	8.3	2.7
Voluntary Non-Profit		15.3	7.1	1.9	15.1	7.0	1.7	15.2	7.1	1.8	15.5	7.3	1.9
Government		13.6	6.2	0.0	13.5	5.9	0.0	13.6	5.9	1.0	14.6	6.3	1.2
<i>Certification</i>													
Medicare and Medicaid		15.4	8.3	2.8	15.0	8.0	2.7	15.1	8.0	2.9	15.3	8.2	2.9
Medicare only		21.4	10.1	2.7	21.2	10.0	3.1	21.5	10.2	3.1	21.1	10.9	2.8
Medicaid only		10.4	4.3	0.0	10.3	4.1	0.0	10.1	4.3	0.0	10.2	4.3	0.0
<i>Bed Size</i>													
Less than 50		18.6	7.3	0.0	18.8	6.9	0.0	18.8	7.1	0.0	19.0	7.4	0.0
50 - 99		14.6	6.7	1.6	14.0	6.7	1.6	14.3	6.8	1.6	14.4	6.8	1.7
100 - 199		15.1	8.6	3.6	14.8	8.3	3.3	14.8	8.3	3.4	14.9	8.4	3.4
200 or more		15.9	9.2	4.5	15.4	9.0	4.2	15.6	9.0	4.3	15.9	9.3	4.5
2001													
Percent of Residents													
Nation	Percentile	Quarter 1			Quarter 2			Quarter 3			Quarter 4		
		90th	Median	10th									
		16.1	8.3	2.4	15.7	8.1	2.4	15.4	7.9	2.2	15.5	8.1	2.3
<i>Ownership</i>													
For-Profit		16.1	8.8	2.9	15.8	8.5	2.9	15.5	8.3	2.7	15.6	8.6	2.7
Voluntary Non-Profit		16.0	7.7	2.1	15.6	7.5	2.2	15.3	7.3	2.0	15.4	7.4	2.1
Government		14.7	6.3	1.0	14.7	6.2	0.9	13.4	6.0	0.0	14.4	6.2	0.0
<i>Certification</i>													
Medicare and Medicaid		15.9	8.7	3.1	15.6	8.4	3.1	15.3	8.2	2.9	15.4	8.4	3.0
Medicare only		21.7	11.2	3.9	21.6	10.7	3.6	21.0	10.5	3.6	22.1	10.7	3.6
Medicaid only		10.4	4.3	0.0	10.6	4.2	0.0	10.4	4.1	0.0	10.6	4.0	0.0
<i>Bed Size</i>													
Less than 50		19.3	8.0	0.0	19.1	7.6	0.0	18.2	7.4	0.0	18.8	7.7	0.0
50 - 99		15.0	7.3	1.8	14.6	7.0	1.8	14.5	6.8	1.7	14.7	6.9	1.7
100 - 199		15.7	9.0	3.9	15.4	8.7	3.6	15.1	8.6	3.6	15.1	8.7	3.7
200 or more		16.6	9.6	4.5	16.0	9.5	4.5	15.9	9.3	4.3	16.5	9.5	4.3

Source: MDS and OSCAR

Table 3.7. Prevalence of Pressure Ulcers in Nursing Home Residents by State at the 90th, Median, and 10th Percentile: United States, Third Quarter 1999-2001

Nation	Percent of Residents									
	Percentile	1999 Quarter 3			2000 Quarter 3			2001 Quarter 3		
		90th	Median	10th	90th	Median	10th	90th	Median	10th
	14.8	7.4	1.8	15.2	7.7	2.1	15.4	7.9	2.2	
Alabama	14.2	7.2	2.3	13.2	7.8	2.6	14.1	7.7	3.3	
Alaska	12.1	5.3	0.0	10.9	6.4	0.0	15.1	4.3	0.0	
Arizona	15.3	8.8	4.0	13.7	7.7	3.5	13.6	8.8	4.5	
Arkansas	13.8	7.5	2.4	13.6	7.1	2.7	14.3	7.4	2.8	
California	19.0	9.8	2.0	19.1	10.0	2.2	19.8	10.2	2.1	
Colorado	11.5	5.6	1.0	11.5	6.1	1.6	11.4	6.5	1.8	
Connecticut	11.2	5.5	1.8	11.8	5.9	2.0	12.1	6.8	2.1	
Delaware	13.0	7.1	2.3	14.7	8.4	1.4	16.4	8.3	2.3	
District of Columbia	19.8	10.9	2.3	20.7	10.3	1.3	20.2	11.4	5.6	
Florida	16.4	9.3	3.7	16.8	9.8	4.3	17.1	9.9	4.5	
Georgia	14.3	8.2	3.6	15.5	9.0	3.7	16.9	8.6	3.3	
Hawaii	18.0	6.3	2.1	14.7	7.2	0.0	18.9	7.2	2.4	
Idaho	10.5	4.7	0.0	11.6	5.6	1.5	10.5	5.8	2.2	
Illinois	14.0	7.4	1.5	15.7	7.2	1.3	15.0	7.3	1.1	
Indiana	14.1	7.4	2.4	14.8	7.5	2.9	14.6	7.9	2.9	
Iowa	8.3	3.1	0.0	8.9	3.6	0.0	9.1	3.8	0.0	
Kansas	10.4	4.8	0.0	12.5	5.6	0.0	12.5	5.1	0.0	
Kentucky	15.3	7.8	2.1	14.3	8.2	3.2	16.5	9.1	3.7	
Louisiana	19.1	7.5	2.7	18.6	8.2	3.1	17.7	9.1	3.6	
Maine	12.0	7.0	2.2	12.6	6.8	1.3	12.8	7.1	2.3	
Maryland	16.7	9.9	2.4	17.2	9.0	3.2	17.3	10.4	4.4	
Massachusetts	12.1	7.1	2.7	12.6	7.7	2.3	13.4	8.0	2.9	
Michigan	14.8	7.5	2.4	15.4	7.9	3.0	16.4	8.3	3.1	
Minnesota	8.3	4.1	0.0	8.0	3.9	0.0	8.5	4.4	0.3	
Mississippi	15.9	8.1	2.2	16.3	7.6	2.4	15.4	6.8	1.6	
Missouri	14.0	6.3	1.5	13.6	6.7	1.8	14.1	6.6	1.9	
Montana	8.5	4.0	0.0	8.6	4.0	0.0	9.1	5.0	0.0	
Nebraska	8.7	3.7	0.0	10.3	4.2	0.0	9.3	4.2	0.0	
Nevada	19.8	8.8	0.0	19.4	11.1	4.2	17.7	10.5	3.9	
New Hampshire	9.7	5.4	1.0	10.6	4.9	0.0	12.4	5.9	1.0	
New Jersey	15.7	9.9	3.8	16.8	10.9	4.9	16.4	11.2	4.9	
New Mexico	12.5	7.4	1.5	12.4	7.4	3.3	14.9	8.1	3.0	
New York	15.0	8.5	3.4	15.4	8.9	4.0	16.0	9.3	4.0	
North Carolina	15.5	8.6	3.5	16.9	8.9	4.1	16.0	9.2	4.5	
North Dakota	7.5	3.0	0.0	7.7	3.7	0.0	7.7	3.5	0.0	
Ohio	13.8	7.3	2.3	13.5	7.5	2.1	14.0	7.5	2.6	
Oklahoma	14.3	6.8	1.8	15.2	7.5	2.4	15.3	7.3	2.4	
Oregon	12.9	6.7	2.3	14.2	7.1	2.8	13.3	8.0	2.0	
Pennsylvania	16.8	9.5	3.7	17.1	9.8	3.8	17.1	10.1	4.2	
Rhode Island	13.1	7.7	2.7	14.8	7.4	2.8	13.4	7.9	2.8	
South Carolina	15.3	7.7	2.6	15.9	9.1	3.7	16.0	9.6	4.2	
South Dakota	9.1	4.2	0.0	10.0	5.3	1.6	9.4	5.0	1.5	
Tennessee	14.9	8.5	2.8	14.5	8.5	3.0	14.9	8.0	3.3	
Texas	16.5	7.9	2.0	16.2	8.1	2.3	16.0	7.7	2.4	
Utah	10.1	5.0	0.0	11.0	5.7	1.3	12.7	6.9	1.6	
Vermont	11.1	4.8	1.3	11.8	7.1	1.3	11.5	6.8	2.9	
Virginia	15.6	8.9	2.3	15.9	9.3	3.3	17.2	10.2	3.8	
Washington	13.1	7.6	3.0	14.6	8.3	3.8	13.3	8.6	3.2	
West Virginia	15.2	9.5	2.7	16.5	8.7	3.3	15.8	9.4	4.3	
Wisconsin	10.8	5.9	1.8	10.8	5.7	2.0	11.1	5.7	1.9	
Wyoming	10.5	4.2	0.0	12.9	5.6	2.0	12.0	6.5	0.0	

Source: MDS

Table 3.8. Incidence of Pressure Ulcers in Nursing Home Residents at the 90th, 50th and 10th Percentile: United States, Quarterly 1999-2001

1999													
Percent of Residents													
Nation	Percentile	Quarter 1			Quarter 2			Quarter 3			Quarter 4		
		90th	50th	10th									
Nation		5.6	2.0	0.0	5.5	2.0	0.0	5.4	1.9	0.0	5.4	2.0	0.0
<i>Ownership</i>													
For-Profit		5.8	2.2	0.0	5.7	2.2	0.0	5.6	2.1	0.0	5.6	2.2	0.0
Voluntary Non-Profit		5.3	1.7	0.0	5.2	1.7	0.0	4.9	1.7	0.0	5.1	1.7	0.0
Government		5.1	1.7	0.0	5.3	1.7	0.0	4.8	1.6	0.0	5.0	1.7	0.0
<i>Certification</i>													
Medicare and Medicaid		5.7	2.2	0.0	5.7	2.2	0.0	5.5	2.1	0.0	5.6	2.2	0.0
Medicare only		2.8	0.0	0.0	3.0	0.0	0.0	3.4	0.0	0.0	3.2	0.0	0.0
Medicaid only		5.4	1.7	0.0	5.4	1.6	0.0	5.2	1.4	0.0	5.6	1.5	0.0
<i>Bed Size</i>													
Less than 50		4.8	0.0	0.0	4.8	0.0	0.0	4.8	0.0	0.0	4.9	0.0	0.0
50 - 99		6.0	1.9	0.0	5.8	1.9	0.0	5.8	1.8	0.0	5.7	1.9	0.0
100 - 199		5.6	2.4	0.0	5.5	2.4	0.0	5.3	2.3	0.0	5.4	2.3	0.0
200 or more		5.1	2.6	0.5	5.1	2.6	0.8	4.8	2.4	0.6	4.8	2.5	0.7
2000													
Percent of Residents													
Nation	Percentile	Quarter 1			Quarter 2			Quarter 3			Quarter 4		
		90th	50th	10th									
Nation		5.6	2.1	0.0	5.3	2.0	0.0	5.7	2.1	0.0	5.7	2.2	0.0
<i>Ownership</i>													
For-Profit		5.9	2.4	0.0	5.6	2.2	0.0	5.9	2.3	0.0	5.9	2.3	0.0
Voluntary Non-Profit		5.2	1.9	0.0	5.0	1.8	0.0	5.3	1.9	0.0	5.5	2.0	0.0
Government		5.5	1.8	0.0	4.9	1.7	0.0	5.2	1.9	0.0	5.4	2.0	0.0
<i>Certification</i>													
Medicare and Medicaid		5.7	2.4	0.0	5.5	2.2	0.0	5.8	2.3	0.0	5.9	2.4	0.0
Medicare only		3.6	0.7	0.0	3.4	0.7	0.0	3.8	0.8	0.0	3.8	0.8	0.0
Medicaid only		5.6	1.6	0.0	5.5	1.4	0.0	5.5	1.6	0.0	5.6	1.7	0.0
<i>Bed Size</i>													
Less than 50		5.1	0.0	0.0	5.0	0.0	0.0	5.3	0.0	0.0	5.3	0.0	0.0
50 - 99		5.8	2.0	0.0	5.7	1.9	0.0	5.9	2.0	0.0	6.0	2.0	0.0
100 - 199		5.7	2.5	0.6	5.4	2.2	0.0	5.6	2.4	0.0	5.7	2.5	0.5
200 or more		5.2	2.7	0.8	4.9	2.5	0.6	5.3	2.6	0.8	5.3	2.7	0.8
2001													
Percent of Residents													
Nation	Percentile	Quarter 1			Quarter 2			Quarter 3			Quarter 4		
		90th	50th	10th									
Nation		5.9	2.2	0.0	5.6	2.1	0.0	5.6	2.1	0.0	5.7	2.2	0.0
<i>Ownership</i>													
For-Profit		6.0	2.4	0.0	5.7	2.3	0.0	5.8	2.3	0.0	5.8	2.3	0.0
Voluntary Non-Profit		5.6	1.9	0.0	5.2	1.8	0.0	5.2	1.9	0.0	5.5	1.9	0.0
Government		5.3	1.9	0.0	4.8	1.7	0.0	4.8	1.7	0.0	5.4	1.9	0.0
<i>Certification</i>													
Medicare and Medicaid		6.0	2.4	0.0	5.7	2.3	0.0	5.7	2.3	0.0	5.8	2.4	0.0
Medicare only		3.3	0.0	0.0	3.2	0.5	0.0	3.7	0.6	0.0	3.8	0.7	0.0
Medicaid only		5.6	1.7	0.0	5.4	1.5	0.0	5.5	1.5	0.0	5.5	1.5	0.0
<i>Bed Size</i>													
Less than 50		5.1	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0	5.6	0.0	0.0
50 - 99		6.1	2.1	0.0	5.7	2.0	0.0	5.9	2.0	0.0	6.0	2.0	0.0
100 - 199		5.8	2.6	0.7	5.6	2.4	0.5	5.6	2.5	0.5	5.6	2.5	0.4
200 or more		5.4	2.9	1.0	5.2	2.8	1.0	5.1	2.7	1.0	5.4	2.9	1.0
<i>Chain Status</i>													
No		5.9	2.2	0.0	5.6	2.1	0.0	5.6	2.1	0.0	5.7	2.1	0.0
Yes		5.6	2.5	0.0	5.5	2.3	0.0	5.6	2.3	0.0	5.6	2.4	0.0

Source: MDS

Table 3.9. Incidence of Pressure Ulcers in Residents at the 90th, Median, and 10th Percentile: United States, 3rd Quarter 1999-2001

Nation	Percent of Residents									
	Percentile	1999 Quarter 3			2000 Quarter 3			2001 Quarter 3		
		90th	Median	10th	90th	Median	10th	90th	Median	10th
Nation	5.4	1.9	0.0	5.7	2.1	0.0	5.5	2.1	0.0	
Alabama	4.8	2.1	0.0	5.3	2.3	0.0	4.9	2.1	0.0	
Alaska	5.7	0.0	0.0	4.7	2.2	0.0	4.6	0.0	0.0	
Arizona	4.0	1.3	0.0	3.9	1.5	0.0	4.7	2.0	0.0	
Arkansas	6.1	2.1	0.0	6.4	2.3	0.0	6.3	2.4	0.0	
California	5.4	1.9	0.0	5.7	2.0	0.0	5.6	2.0	0.0	
Colorado	4.0	1.2	0.0	4.8	1.4	0.0	4.8	1.9	0.0	
Connecticut	4.2	1.6	0.0	4.2	1.8	0.0	4.5	1.9	0.0	
Delaware	4.7	2.3	0.0	6.0	2.4	0.0	5.1	2.1	0.0	
District of Columbia	5.4	2.3	0.0	6.3	3.2	0.0	5.9	2.9	0.0	
Florida	4.7	2.0	0.0	5.1	2.2	0.0	4.6	2.0	0.0	
Georgia	5.9	2.4	0.0	6.5	2.7	0.0	6.3	2.7	0.0	
Hawaii	5.9	1.3	0.0	5.0	1.4	0.0	5.3	1.1	0.0	
Idaho	3.8	1.1	0.0	5.4	1.1	0.0	4.2	1.5	0.0	
Illinois	5.5	2.0	0.0	5.8	2.1	0.0	5.3	2.0	0.0	
Indiana	6.0	2.4	0.0	6.6	2.4	0.0	6.4	2.7	0.0	
Iowa	4.5	1.0	0.0	4.5	1.3	0.0	4.3	1.3	0.0	
Kansas	4.4	1.7	0.0	5.9	1.8	0.0	5.5	1.8	0.0	
Kentucky	6.1	2.2	0.0	5.6	2.5	0.0	6.3	2.9	0.0	
Louisiana	5.6	2.3	0.0	6.3	2.3	0.0	6.3	2.6	0.0	
Maine	5.5	2.2	0.0	6.7	1.9	0.0	6.3	2.1	0.0	
Maryland	5.3	2.1	0.0	5.9	2.5	0.0	5.1	2.3	0.0	
Massachusetts	5.0	2.0	0.0	5.3	2.3	0.0	5.5	2.3	0.0	
Michigan	4.8	2.0	0.0	5.5	2.2	0.0	5.3	2.2	0.0	
Minnesota	3.6	1.4	0.0	4.0	1.4	0.0	4.2	1.4	0.0	
Mississippi	6.0	2.3	0.0	6.4	2.5	0.0	5.4	1.8	0.0	
Missouri	5.1	1.6	0.0	5.3	2.0	0.0	5.3	1.9	0.0	
Montana	3.8	0.6	0.0	4.1	0.0	0.0	4.2	1.1	0.0	
Nebraska	4.7	1.4	0.0	5.4	1.7	0.0	4.5	1.3	0.0	
Nevada	4.3	1.1	0.0	4.7	2.2	0.0	6.2	1.9	0.0	
New Hampshire	4.3	1.8	0.0	4.2	1.2	0.0	4.8	1.4	0.0	
New Jersey	5.1	2.4	0.0	6.3	2.9	0.0	5.6	2.6	0.0	
New Mexico	4.8	1.8	0.0	4.7	2.1	0.0	5.0	1.7	0.0	
New York	5.2	2.4	0.0	5.6	2.6	0.0	5.7	2.7	0.6	
North Carolina	5.7	1.9	0.0	5.9	2.5	0.0	5.9	2.3	0.0	
North Dakota	3.3	1.1	0.0	4.8	0.9	0.0	4.7	1.3	0.0	
Ohio	5.3	2.0	0.0	5.3	2.0	0.0	5.5	2.1	0.0	
Oklahoma	6.2	1.9	0.0	6.1	2.4	0.0	6.9	2.3	0.0	
Oregon	4.6	1.5	0.0	5.0	2.1	0.0	5.3	1.6	0.0	
Pennsylvania	6.1	2.6	0.0	6.3	2.6	0.0	6.1	3.0	0.0	
Rhode Island	5.5	1.9	0.0	5.6	2.4	0.0	4.9	2.2	0.0	
South Carolina	5.5	1.8	0.0	5.3	2.3	0.0	5.1	2.2	0.0	
South Dakota	5.1	1.5	0.0	5.1	1.7	0.0	5.4	1.9	0.0	
Tennessee	5.1	2.0	0.0	5.3	2.4	0.0	4.9	2.1	0.0	
Texas	6.2	2.1	0.0	6.3	2.3	0.0	6.1	2.4	0.0	
Utah	3.6	1.0	0.0	4.2	1.4	0.0	3.8	1.4	0.0	
Vermont	5.2	2.0	0.0	5.8	3.3	0.0	5.2	2.2	0.0	
Virginia	5.7	2.3	0.0	5.6	2.5	0.0	6.7	2.4	0.0	
Washington	4.8	1.9	0.0	5.6	2.0	0.0	5.1	1.9	0.0	
West Virginia	6.4	2.6	0.0	6.3	2.0	0.0	6.9	2.9	0.0	
Wisconsin	4.7	1.8	0.0	4.6	1.9	0.0	4.3	1.8	0.0	
Wyoming	4.8	0.4	0.0	5.9	2.2	0.0	5.9	1.8	0.0	

Source: MDS

Table 3.10. Prevalence of Physical Restraint Use in Nursing Homes at the 90th, Median and 10th Percentile: United States, Quarterly 1999-2001

1999													
Percent of Residents													
Nation	Percentile	Quarter 1			Quarter 2			Quarter 3			Quarter 4		
		90th	Median	10th									
Nation		24.2	6.9	0.0	24.4	6.8	0.0	24.1	6.7	0.0	23.5	6.5	0.0
<i>Ownership</i>													
Proprietary		25.5	8.0	0.0	25.5	8.0	0.0	25.3	7.8	0.0	24.7	7.8	0.0
Voluntary Non-Profit		20.9	5.1	0.0	21.0	4.8	0.0	20.4	4.7	0.0	19.8	4.5	0.0
Government		24.6	7.6	0.0	25.4	7.2	0.0	25.0	6.7	0.0	25.0	6.5	0.0
<i>Certification</i>													
Medicare and Medicaid		24.1	7.5	0.0	24.3	7.3	0.0	23.9	7.2	0.0	23.4	7.0	0.0
Medicare only		12.5	2.3	0.0	13.0	2.3	0.0	11.9	2.2	0.0	12.7	1.9	0.0
Medicaid only		29.8	8.6	0.0	29.5	8.2	0.0	29.0	8.0	0.0	28.8	8.0	0.0
<i>Bed Size</i>													
Less than 50		18.2	3.2	0.0	17.9	3.2	0.0	17.6	3.1	0.0	17.1	2.6	0.0
50 - 99		25.8	7.8	0.0	25.8	7.5	0.0	25.4	7.4	0.0	24.6	7.0	0.0
100 - 199		25.2	8.1	0.8	25.2	8.1	0.7	25.0	7.9	0.7	24.5	7.9	0.7
200 or more		21.7	6.7	0.7	21.8	6.5	0.6	22.1	6.3	0.5	21.7	6.2	0.5
2000													
Percent of Residents													
Nation	Percentile	Quarter 1			Quarter 2			Quarter 3			Quarter 4		
		90th	Median	10th									
Nation		23.2	6.3	0.0	23.2	6.3	0.0	23.4	6.4	0.0	23.3	6.3	0.0
<i>Ownership</i>													
Proprietary		24.3	7.5	0.0	24.5	7.5	0.0	24.6	7.7	0.0	24.5	7.6	0.0
Voluntary Non-Profit		19.1	4.3	0.0	18.8	4.3	0.0	19.2	4.3	0.0	19.1	4.1	0.0
Government		23.8	6.1	0.0	23.6	6.2	0.0	24.8	5.9	0.0	24.1	5.8	0.0
<i>Certification</i>													
Medicare and Medicaid		22.9	6.8	0.0	23.0	6.8	0.0	23.2	6.9	0.0	23.1	6.8	0.0
Medicare only		11.9	1.8	0.0	11.1	1.6	0.0	11.3	1.5	0.0	11.2	1.5	0.0
Medicaid only		28.1	7.4	0.0	27.8	7.4	0.0	28.1	7.4	0.0	27.8	7.2	0.0
<i>Bed Size</i>													
Less than 50		16.5	2.4	0.0	16.7	2.4	0.0	17.1	2.4	0.0	17.1	2.3	0.0
50 - 99		24.1	6.9	0.0	24.4	6.9	0.0	24.5	7.0	0.0	24.4	7.0	0.0
100 - 199		23.9	7.6	0.6	24.0	7.6	0.7	24.2	7.7	0.7	24.0	7.5	0.7
200 or more		20.9	6.2	0.5	20.9	5.9	0.5	20.6	5.9	0.4	21.4	5.9	0.4
2001													
Percent of Residents													
Nation	Percentile	Quarter 1			Quarter 2			Quarter 3			Quarter 4		
		90th	Median	10th									
Nation		22.9	6.3	0.0	22.9	6.3	0.0	22.8	6.4	0.0	22.2	6.2	0.0
<i>Ownership</i>													
Proprietary		24.1	7.5	0.0	24.1	7.5	0.0	24.0	7.6	0.0	23.6	7.3	0.0
Voluntary Non-Profit		18.9	4.2	0.0	18.8	4.0	0.0	19.2	4.1	0.0	18.3	4.0	0.0
Government		23.5	5.7	0.0	23.3	5.7	0.0	23.3	5.8	0.0	21.8	5.4	0.0
<i>Certification</i>													
Medicare and Medicaid		22.7	6.8	0.0	22.7	6.8	0.0	22.6	6.9	0.0	22.0	6.6	0.0
Medicare only		10.7	1.4	0.0	11.0	1.1	0.0	10.6	0.9	0.0	10.6	1.0	0.0
Medicaid only		27.7	6.8	0.0	28.3	6.8	0.0	28.6	6.9	0.0	27.5	6.7	0.0
<i>Bed Size</i>													
Less than 50		17.4	2.3	0.0	17.4	2.1	0.0	17.6	2.0	0.0	17.1	1.9	0.0
50 - 99		24.0	6.9	0.0	24.1	6.9	0.0	24.0	7.0	0.0	23.6	6.7	0.0
100 - 199		23.4	7.5	0.6	23.5	7.5	0.7	23.4	7.7	0.7	22.7	7.3	0.7
200 or more		20.8	5.8	0.5	20.7	5.9	0.5	20.5	5.8	0.4	19.1	5.5	0.5

Source: MDS and OSCAR

Table 3.11. Prevalence of Physical Restraint Use in Nursing Homes at the 90th, Median and 10th Percentile: United States, Third Quarter 1999-2001

Nation	Percent of Residents with Physical Restraint									
	Percentile	1999			2000			2001		
		90th	Median	10th	90th	Median	10th	90th	Median	10th
	24.1	6.7	0.0	23.4	6.4	0.0	22.8	6.4	0.0	
Alabama	17.6	3.0	0.0	16.8	3.4	0.0	20.0	3.7	0.0	
Alaska	19.0	6.8	0.0	24.5	5.3	0.0	14.9	5.0	0.0	
Arizona	20.3	9.2	0.0	19.5	7.6	0.0	16.8	7.7	0.0	
Arkansas	37.3	22.1	5.8	35.8	21.3	5.8	36.4	22.0	6.5	
California	33.8	16.3	2.3	32.9	15.7	2.0	32.1	15.2	1.7	
Colorado	18.9	7.7	0.8	18.4	6.3	0.0	16.3	6.9	0.0	
Connecticut	24.5	9.7	0.8	23.8	9.1	0.9	25.8	8.9	0.0	
Delaware	11.2	1.7	0.0	9.7	1.2	0.0	7.7	0.6	0.0	
District of Columbia	13.8	3.5	0.0	15.4	3.4	0.0	12.8	3.1	0.0	
Florida	16.1	4.9	0.0	14.7	4.9	0.0	14.5	5.6	0.0	
Georgia	23.5	10.2	2.1	25.0	10.8	1.9	26.8	12.4	1.8	
Hawaii	26.6	7.0	0.0	28.6	4.8	0.0	25.1	5.8	0.0	
Idaho	13.7	5.2	0.0	13.7	5.5	0.0	15.1	5.7	0.0	
Illinois	15.1	4.0	0.0	13.3	3.3	0.0	13.3	2.9	0.0	
Indiana	17.8	5.9	0.0	16.1	5.4	0.0	15.5	5.6	0.0	
Iowa	7.8	0.9	0.0	7.4	1.0	0.0	9.2	1.3	0.0	
Kansas	12.5	3.6	0.0	14.1	3.6	0.0	15.6	3.6	0.0	
Kentucky	22.3	6.8	0.0	18.8	7.1	0.0	21.6	8.2	0.0	
Louisiana	35.5	20.3	4.7	35.6	20.4	4.7	31.8	18.2	3.4	
Maine	16.7	4.1	0.0	15.3	3.7	0.0	15.8	3.3	0.0	
Maryland	21.3	7.5	0.0	19.8	5.6	0.0	16.0	5.2	0.0	
Massachusetts	14.9	4.4	0.0	14.2	4.1	0.0	13.9	4.6	0.0	
Michigan	17.8	6.2	0.0	16.1	5.0	0.0	16.9	4.5	0.0	
Minnesota	11.5	3.2	0.0	11.1	3.2	0.0	11.4	3.1	0.0	
Mississippi	27.5	13.1	1.4	26.7	15.0	1.5	28.4	15.0	0.0	
Missouri	19.0	5.6	0.0	18.3	5.9	0.0	18.5	6.1	0.0	
Montana	13.6	3.8	0.0	11.0	2.6	0.0	12.0	1.9	0.0	
Nebraska	6.0	0.0	0.0	5.0	0.0	0.0	8.0	0.6	0.0	
Nevada	21.2	7.4	0.0	20.0	7.9	0.0	28.0	8.9	0.0	
New Hampshire	9.6	2.2	0.0	7.8	2.3	0.0	8.8	2.8	0.0	
New Jersey	10.2	2.4	0.0	9.8	2.8	0.0	10.7	2.9	0.0	
New Mexico	15.3	7.8	0.0	19.5	6.8	0.0	16.4	6.7	0.0	
New York	22.6	5.9	0.2	21.3	5.9	0.0	19.2	5.4	0.0	
North Carolina	27.0	6.5	0.0	23.0	6.7	0.0	23.1	6.6	0.0	
North Dakota	15.1	4.5	0.0	16.1	4.4	0.0	15.3	5.2	0.0	
Ohio	20.2	6.8	0.0	20.0	7.2	0.0	20.7	7.4	0.0	
Oklahoma	22.2	8.7	1.2	20.0	9.5	1.0	20.6	8.3	0.0	
Oregon	23.6	10.3	0.8	24.4	9.2	1.1	23.4	10.4	0.0	
Pennsylvania	22.0	5.1	0.0	17.2	4.2	0.0	15.3	4.0	0.0	
Rhode Island	15.4	4.9	0.0	13.1	4.2	0.0	20.0	3.6	0.0	
South Carolina	25.0	6.9	0.0	28.2	6.4	0.0	26.6	8.9	0.0	
South Dakota	21.4	8.3	1.5	18.8	7.4	0.0	18.8	7.2	0.0	
Tennessee	29.8	12.1	0.7	29.3	12.0	0.0	27.5	11.9	0.6	
Texas	32.3	16.3	1.9	32.3	16.7	1.4	32.4	16.6	1.5	
Utah	18.4	5.7	0.0	15.2	5.8	0.0	19.9	5.3	0.0	
Vermont	14.0	3.9	0.0	10.6	3.5	0.0	14.7	3.6	0.0	
Virginia	17.9	5.2	0.0	19.4	4.9	0.0	21.9	5.8	0.0	
Washington	17.9	5.9	0.0	20.6	6.4	0.0	21.7	6.3	0.0	
West Virginia	18.1	5.1	0.0	17.4	4.9	0.0	17.7	5.7	0.0	
Wisconsin	16.7	4.8	0.0	12.1	3.9	0.0	12.0	2.9	0.0	
Wyoming	14.3	5.8	0.0	15.9	6.3	0.0	18.6	7.0	0.0	

Source: MDS

Table 3.12. Incidence of Physical Restraint Use in Nursing Homes at the 90th, Median, and 10th Percentile: United States, Quarterly 1999-2001

1999													
Percent of Residents													
Nation	Percentile	Quarter 1			Quarter 2			Quarter 3			Quarter 4		
		90th	Median	10th									
		6.0	1.0	0.0	6.1	1.1	0.0	6.1	1.2	0.0	5.9	1.1	0.0
<i>Ownership</i>													
	For-Profit	6.5	1.5	0.0	6.4	1.5	0.0	6.5	1.5	0.0	6.3	1.4	0.0
	Voluntary Non-Profit	5.1	0.6	0.0	5.2	0.6	0.0	5.2	0.6	0.0	5.0	0.5	0.0
	Government	6.0	1.0	0.0	6.3	1.1	0.0	6.3	1.0	0.0	5.6	0.9	0.0
<i>Certification</i>													
	Medicare and Medicaid	6.2	1.4	0.0	6.3	1.4	0.0	6.2	1.4	0.0	6.1	1.3	0.0
	Medicare only	1.8	0.0	0.0	2.0	0.0	0.0	2.1	0.0	0.0	2.0	0.0	0.0
	Medicaid only	7.1	1.2	0.0	6.8	1.0	0.0	7.1	1.1	0.0	6.7	0.0	0.0
<i>Bed Size</i>													
	Less than 50	4.3	0.0	0.0	4.5	0.0	0.0	4.3	0.0	0.0	4.2	0.0	0.0
	50 - 99	6.5	1.4	0.0	6.5	1.3	0.0	6.5	1.4	0.0	6.3	1.2	0.0
	100 - 199	6.3	1.6	0.0	6.3	1.6	0.0	6.3	1.6	0.0	6.3	1.6	0.0
	200 or more	5.5	1.4	0.0	5.9	1.5	0.0	5.6	1.4	0.0	5.5	1.3	0.0
2000													
Percent of Residents													
Nation	Percentile	Quarter 1			Quarter 2			Quarter 3			Quarter 4		
		90th	Median	10th									
		5.9	1.1	0.0	5.9	1.1	0.0	5.9	1.1	0.0	5.9	1.1	0.0
<i>Ownership</i>													
	For-Profit	6.2	1.4	0.0	6.5	1.5	0.0	6.7	1.5	0.0	6.4	1.5	0.0
	Voluntary Non-Profit	4.8	0.5	0.0	5.0	0.5	0.0	4.8	0.5	0.0	5.1	0.4	0.0
	Government	6.3	1.0	0.0	5.9	1.0	0.0	5.9	0.9	0.0	5.9	0.8	0.0
<i>Certification</i>													
	Medicare and Medicaid	5.9	1.4	0.0	6.1	1.4	0.0	6.3	1.4	0.0	6.1	1.4	0.0
	Medicare only	1.8	0.0	0.0	2.3	0.0	0.0	2.1	0.0	0.0	2.3	0.0	0.0
	Medicaid only	7.1	0.1	0.0	7.1	1.0	0.0	7.1	0.8	0.0	7.3	0.8	0.0
<i>Bed Size</i>													
	Less than 50	4.3	0.0	0.0	4.4	0.0	0.0	4.5	0.0	0.0	4.3	0.0	0.0
	50 - 99	6.3	1.3	0.0	6.5	1.3	0.0	6.5	1.3	0.0	6.4	1.3	0.0
	100 - 199	6.0	1.6	0.0	6.3	1.6	0.0	6.3	1.6	0.0	6.3	1.6	0.0
	200 or more	5.1	1.5	0.0	5.3	1.4	0.0	5.3	1.5	0.0	5.5	1.4	0.0
2001													
Percent of Residents													
Nation	Percentile	Quarter 1			Quarter 2			Quarter 3			Quarter 4		
		90th	Median	10th									
		5.9	1.1	0.0	5.9	1.1	0.0	5.9	1.2	0.0	5.6	1.1	0.0
<i>Ownership</i>													
	For-Profit	6.3	1.4	0.0	6.3	1.4	0.0	6.2	1.5	0.0	6.0	1.4	0.0
	Voluntary Non-Profit	4.9	0.4	0.0	4.9	0.0	0.0	4.9	0.4	0.0	4.4	0.0	0.0
	Government	6.4	0.9	0.0	6.1	0.7	0.0	6.0	0.7	0.0	5.3	0.5	0.0
<i>Certification</i>													
	Medicare and Medicaid	6.0	1.3	0.0	6.0	1.3	0.0	6.0	1.4	0.0	5.7	1.3	0.0
	Medicare only	2.0	0.0	0.0	1.8	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
	Medicaid only	6.9	0.0	0.0	6.6	0.0	0.0	6.8	0.0	0.0	6.7	0.0	0.0
<i>Bed Size</i>													
	Less than 50	4.3	0.0	0.0	4.4	0.0	0.0	4.2	0.0	0.0	3.8	0.0	0.0
	50 - 99	6.3	1.3	0.0	6.4	1.3	0.0	6.5	1.3	0.0	5.9	1.2	0.0
	100 - 199	6.1	1.5	0.0	6.0	1.5	0.0	5.9	1.6	0.0	5.9	1.5	0.0
	200 or more	5.1	1.4	0.0	5.2	1.5	0.0	5.3	1.4	0.0	4.8	1.3	0.0
<i>Chain</i>													
	No	5.8	1.0	0.0	6.0	1.1	0.0	6.0	1.1	0.0	5.7	1.0	0.0
	Yes	5.7	1.5	0.0	5.5	1.4	0.0	5.7	1.4	0.0	5.6	1.4	0.0

Source: MDS and OSCAR

Table 3.13. Incidence of Physical Restraint Use in Nursing Homes at the 90th, Median, and 10th Percentile: United States, Third Quarter 1999-2001

Nation	Percent of Residents									
	Percentile	1999 Quarter 3			2000 Quarter 3			2001 Quarter 3		
		90th	Median	10th	90th	Median	10th	90th	Median	10th
	6.1	1.2	0.0	6.1	1.1	0.0	5.5	2.1	0.0	
Alabama	5.0	0.6	0.0	5.3	0.7	0.0	4.9	2.1	0.0	
Alaska	7.7	0.0	0.0	9.5	0.0	0.0	4.6	0.0	0.0	
Arizona	6.0	1.3	0.0	5.0	1.4	0.0	4.7	2.0	0.0	
Arkansas	10.1	4.0	0.0	8.1	3.5	0.0	6.3	2.4	0.0	
California	8.2	2.6	0.0	8.4	2.4	0.0	5.6	2.0	0.0	
Colorado	6.3	1.5	0.0	4.8	1.1	0.0	4.8	1.9	0.0	
Connecticut	6.5	2.1	0.0	6.5	1.7	0.0	4.5	1.9	0.0	
Delaware	2.8	0.0	0.0	2.2	0.0	0.0	5.1	2.1	0.0	
District of Columbia	2.5	0.8	0.0	1.9	0.4	0.0	5.9	2.9	0.0	
Florida	4.8	1.0	0.0	4.9	1.1	0.0	4.6	2.0	0.0	
Georgia	6.9	1.9	0.0	7.8	2.1	0.0	6.3	2.7	0.0	
Hawaii	7.6	1.0	0.0	7.5	0.9	0.0	5.3	1.1	0.0	
Idaho	4.0	0.0	0.0	4.7	0.0	0.0	4.2	1.5	0.0	
Illinois	3.8	0.5	0.0	3.4	0.0	0.0	5.3	2.0	0.0	
Indiana	5.1	1.2	0.0	5.6	1.0	0.0	6.4	2.7	0.0	
Iowa	2.5	0.0	0.0	2.4	0.0	0.0	4.3	1.3	0.0	
Kansas	3.6	0.0	0.0	4.7	0.0	0.0	5.5	1.8	0.0	
Kentucky	6.0	1.1	0.0	6.3	1.2	0.0	6.3	2.9	0.0	
Louisiana	7.9	2.5	0.0	8.3	2.6	0.0	6.3	2.6	0.0	
Maine	3.7	0.0	0.0	3.7	0.0	0.0	6.3	2.1	0.0	
Maryland	6.9	1.9	0.0	5.5	1.4	0.0	5.1	2.3	0.0	
Massachusetts	4.2	0.8	0.0	4.1	0.9	0.0	5.5	2.3	0.0	
Michigan	4.9	1.2	0.0	4.8	1.0	0.0	5.3	2.2	0.0	
Minnesota	3.5	0.6	0.0	3.5	0.5	0.0	4.2	1.4	0.0	
Mississippi	6.7	2.0	0.0	8.9	2.2	0.0	5.4	1.8	0.0	
Missouri	5.4	0.8	0.0	5.1	0.7	0.0	5.3	1.9	0.0	
Montana	3.8	0.0	0.0	3.8	0.0	0.0	4.2	1.1	0.0	
Nebraska	2.2	0.0	0.0	2.3	0.0	0.0	4.5	1.3	0.0	
Nevada	5.7	0.8	0.0	4.8	0.8	0.0	6.2	1.9	0.0	
New Hampshire	1.9	0.0	0.0	1.9	0.0	0.0	4.8	1.4	0.0	
New Jersey	2.6	0.3	0.0	3.6	0.4	0.0	5.6	2.6	0.0	
New Mexico	7.0	1.5	0.0	5.7	1.1	0.0	5.0	1.7	0.0	
New York	6.0	1.4	0.0	5.3	1.6	0.0	5.7	2.7	0.6	
North Carolina	8.7	1.5	0.0	6.8	1.3	0.0	5.9	2.3	0.0	
North Dakota	4.7	0.0	0.0	2.9	0.0	0.0	4.7	1.3	0.0	
Ohio	5.3	1.1	0.0	5.7	1.3	0.0	5.5	2.1	0.0	
Oklahoma	6.2	1.5	0.0	6.7	1.5	0.0	6.9	2.3	0.0	
Oregon	6.8	2.5	0.0	6.3	1.8	0.0	5.3	1.6	0.0	
Pennsylvania	6.5	1.1	0.0	5.7	1.0	0.0	6.1	3.0	0.0	
Rhode Island	4.1	0.7	0.0	3.9	0.0	0.0	4.9	2.2	0.0	
South Carolina	7.6	1.1	0.0	6.8	1.3	0.0	5.1	2.2	0.0	
South Dakota	5.0	1.2	0.0	5.1	1.5	0.0	5.4	1.9	0.0	
Tennessee	7.5	2.0	0.0	9.1	2.5	0.0	4.9	2.1	0.0	
Texas	9.5	2.6	0.0	10.3	2.8	0.0	6.1	2.4	0.0	
Utah	5.4	0.0	0.0	4.2	1.0	0.0	3.8	1.4	0.0	
Vermont	4.5	0.0	0.0	4.5	0.0	0.0	5.2	2.2	0.0	
Virginia	4.9	1.1	0.0	5.3	0.7	0.0	6.7	2.4	0.0	
Washington	4.9	0.9	0.0	6.5	1.3	0.0	5.1	1.9	0.0	
West Virginia	4.7	0.6	0.0	5.1	0.8	0.0	6.9	2.9	0.0	
Wisconsin	3.7	0.6	0.0	3.0	0.0	0.0	4.3	1.8	0.0	
Wyoming	5.1	0.4	0.0	4.8	0.0	0.0	5.9	1.8	0.0	

Source: MDS

Table 3.14. Prevalence of Tube Feeding in Nursing Homes by Type of Nursing Home at the 90th, Median, and 10th Percentile: United States, Quarterly 1999-2001

1999															
Percent of Residents															
Quarter 1															
Quarter 2															
Quarter 3															
Quarter 4															
Percentile	90th	Median	10th												
Nation	13.4	4.4	0.0	13.2	4.2	0.0	12.8	4.2	0.0	13.4	4.4	0.0	13.4	4.4	0.0
<i>Ownership</i>															
For-Profit	13.8	5.1	0.0	14.1	5.2	0.0	14.0	5.3	0.0	14.1	5.2	0.0	14.1	5.2	0.0
Voluntary Non-Profit	10.9	3.0	0.0	11.1	3.1	0.0	11.2	3.1	0.0	11.3	3.1	0.0	11.3	3.1	0.0
Government	12.6	3.0	0.0	13.0	3.3	0.0	13.7	3.4	0.0	13.2	3.3	0.0	13.2	3.3	0.0
<i>Certification</i>															
Medicare and Medicaid	13.5	4.8	0.0	13.9	4.9	0.0	13.9	4.9	0.0	13.9	4.9	0.0	13.9	4.9	0.6
Medicare only	8.7	2.5	0.0	9.1	2.8	0.0	9.3	2.8	0.0	9.8	3.0	0.0	9.8	3.0	0.0
Medicaid only	10.8	1.8	0.0	11.1	1.8	0.0	10.8	1.9	0.0	10.9	2.0	0.0	10.9	2.0	0.0
<i>Bed Size</i>															
Less than 50	10.0	2.1	0.0	10.7	2.2	0.0	11.0	2.3	0.0	10.7	2.4	0.0	10.7	2.4	0.0
50 - 99	12.8	3.4	0.0	12.9	3.6	0.0	13.0	3.5	0.0	13.0	3.5	0.0	13.0	3.5	0.0
100 - 199	13.2	5.3	1.1	13.6	5.4	1.1	13.6	5.4	1.1	13.6	5.4	1.1	13.6	5.4	1.1
200 or more	15.2	6.7	1.8	15.9	6.9	1.9	15.6	6.9	1.8	15.5	6.9	1.9	15.5	6.9	1.9
2000															
Percent of Residents															
Quarter 1															
Quarter 2															
Quarter 3															
Quarter 4															
Percentile	90th	Median	10th												
Nation	13.3	4.4	0.0	13.4	4.3	0.0	13.2	4.3	0.0	13.0	4.3	0.0	13.0	4.3	0.0
<i>Ownership</i>															
For-Profit	14.0	5.2	0.0	14.1	5.2	0.0	13.9	5.1	0.0	13.6	5.1	0.0	13.6	5.1	0.0
Voluntary Non-Profit	11.0	3.1	0.0	11.3	3.1	0.0	11.0	3.0	0.0	10.9	3.0	0.0	10.9	3.0	0.0
Government	12.9	3.1	0.0	13.1	3.2	0.0	13.0	3.2	0.0	12.5	3.2	0.0	12.5	3.2	0.0
<i>Certification</i>															
Medicare and Medicaid	13.8	4.9	0.6	13.9	4.9	0.5	13.7	4.8	0.0	13.4	4.8	0.0	13.4	4.8	0.0
Medicare only	9.5	2.9	0.0	9.4	2.9	0.0	8.9	2.9	0.0	8.8	2.8	0.0	8.8	2.8	0.0
Medicaid only	10.9	1.9	0.0	11.1	2.0	0.0	10.8	2.0	0.0	10.6	2.0	0.0	10.6	2.0	0.0
<i>Bed Size</i>															
Less than 50	10.9	2.4	0.0	11.4	2.3	0.0	10.8	2.4	0.0	10.7	2.4	0.0	10.7	2.4	0.0
50 - 99	12.9	3.4	0.0	12.8	3.5	0.0	12.5	3.4	0.0	12.4	3.5	0.0	12.4	3.5	0.0
100 - 199	13.6	5.4	1.1	13.6	5.4	1.2	13.5	5.3	1.1	13.3	5.2	1.1	13.3	5.2	1.1
200 or more	15.6	6.8	1.9	15.8	6.8	1.9	15.6	6.7	1.9	15.3	6.8	1.8	15.3	6.8	1.8
2001															
Percent of Residents															
Quarter 1															
Quarter 2															
Quarter 3															
Quarter 4															
Percentile	90th	Median	10th												
Nation	13.0	4.2	0.0	12.9	4.2	0.0	12.8	4.2	0.0	12.8	4.2	0.0	12.8	4.2	0.0
<i>Ownership</i>															
For-Profit	13.7	5.0	0.0	13.5	5.0	0.0	13.5	5.0	0.0	13.5	4.9	0.0	13.5	4.9	0.0
Voluntary Non-Profit	10.6	2.9	0.0	10.9	2.9	0.0	10.7	2.9	0.0	10.5	2.9	0.0	10.5	2.9	0.0
Government	13.2	3.0	0.0	12.8	3.1	0.0	13.0	3.1	0.0	13.0	3.0	0.0	13.0	3.0	0.0
<i>Certification</i>															
Medicare and Medicaid	13.5	4.8	0.0	13.3	4.7	0.0	13.3	4.7	0.0	13.2	4.6	0.0	13.2	4.6	0.0
Medicare only	8.0	2.6	0.0	7.9	2.5	0.0	8.3	2.6	0.0	8.1	2.6	0.0	8.1	2.6	0.0
Medicaid only	10.4	1.8	0.0	11.0	1.8	0.0	10.6	1.7	0.0	10.7	1.7	0.0	10.7	1.7	0.0
<i>Bed Size</i>															
Less than 50	10.6	2.3	0.0	10.5	2.3	0.0	10.6	2.4	0.0	10.0	2.4	0.0	10.0	2.4	0.0
50 - 99	12.5	3.4	0.0	12.5	3.4	0.0	12.4	3.4	0.0	12.5	3.3	0.0	12.5	3.3	0.0
100 - 199	13.3	5.2	1.1	13.3	5.1	1.1	13.1	5.1	1.1	13.0	5.0	1.0	13.0	5.0	1.0
200 or more	15.4	6.9	2.0	15.0	6.9	1.9	14.7	6.8	2.0	14.7	6.7	1.8	14.7	6.7	1.8

Source: MDS and OSCAR

Table 3.15. Prevalence of Tube Feeding in Nursing Homes at the 90th, Median, and 10th Percentile: United States, Third Quarter 1999 - 2001

Nation	Percent of Residents									
	Percentile	1999 Quarter 3			2000 Quarter 3			2001 Quarter 3		
		90th	Median	10th	90th	Median	10th	90th	Median	10th
	13.4	4.4	0.0	13.2	4.2	0.0	12.8	4.2	0.0	
Alabama	20.2	11.6	4.8	19	11.3	3.9	19	10.6	4.3	
Alaska	16.2	4.8	0.0	20.2	8.5	0.0	24.3	6.7	0.0	
Arizona	8.1	2.8	0.0	7.8	2.9	0.0	7.2	2.2	0.0	
Arkansas	12.2	5.3	1.1	12.3	5.0	0.9	12.2	5.2	0.9	
California	17.6	6.6	0.0	18.1	6.7	0.0	17.9	6.3	0.0	
Colorado	6.1	2.1	0.0	5.1	1.8	0.0	5.9	1.9	0.0	
Connecticut	8.5	3.0	0.0	7.9	3.1	0.0	7.0	3.2	0.0	
Delaware	14.3	6.6	0.0	11.8	5.5	0.0	12.4	4.8	0.0	
District of Columbia	31.1	10.1	1.0	24.0	12.6	2.2	19.7	10.7	0.0	
Florida	14.0	6.5	1.8	13.7	6.5	1.8	13.3	5.9	2.2	
Georgia	15.2	7.0	2.4	15.0	7.3	2.5	14.5	7.3	2.1	
Hawaii	34.8	9.4	0.8	30.2	8.7	1.7	31.3	9.6	1.6	
Idaho	5.0	1.2	0.0	5.9	1.9	0.0	4.8	2.3	0.0	
Illinois	10.0	3.2	0.0	9.7	3.1	0.0	9.3	3.3	0.0	
Indiana	11.6	4.5	0.0	11.1	4.3	0.0	10.0	4.2	0.0	
Iowa	4.9	1.1	0.0	5.0	1.0	0.0	4.9	0.7	0.0	
Kansas	4.8	1.6	0.0	5.1	1.6	0.0	5.0	1.4	0.0	
Kentucky	21.7	7.8	1.5	19.4	7.8	1.5	20.0	7.3	1.6	
Louisiana	15.8	8.0	2.3	16.1	8.3	2.3	15.8	8.1	2.9	
Maine	5.6	1.9	0.0	4.9	1.9	0.0	4.8	1.7	0.0	
Maryland	18.1	6.7	0.0	16.0	6.0	0.0	16.8	5.7	0.0	
Massachusetts	6.8	2.6	0.0	7.4	2.5	0.0	6.6	2.3	0.0	
Michigan	11.7	4.1	0.0	11.3	4.0	0.0	10.7	3.7	0.0	
Minnesota	4.3	1.5	0.0	4.2	1.5	0.0	4.1	1.4	0.0	
Mississippi	15.4	8.8	3.2	16.2	8.7	3.3	16.1	9.1	1.9	
Missouri	9.2	3.4	0.0	9.2	3.3	0.0	9.1	3.4	0.0	
Montana	4.8	1.9	0.0	5.1	1.7	0.0	5.0	1.9	0.0	
Nebraska	6.6	1.4	0.0	6.5	1.6	0.0	6.5	1.7	0.0	
Nevada	16.3	3.5	0.0	13.2	5.6	0.0	15.6	5.7	0.0	
New Hampshire	4.9	1.1	0.0	3.3	1.3	0.0	4.0	1.1	0.0	
New Jersey	12.5	5.6	0.0	12.2	5.6	0.9	12.1	5.5	1.0	
New Mexico	6.0	2.1	0.0	6.9	3.1	0.0	6.5	2.4	0.0	
New York	15.5	6.2	1.2	14.9	6.2	1.7	13.9	6.0	1.5	
North Carolina	18.3	7.7	1.7	19.5	7.6	1.3	18.8	7.1	1.4	
North Dakota	6.1	2.2	0.0	6.3	2.0	0.0	5.7	2.0	0.0	
Ohio	14.6	6.3	1.4	13.7	5.8	0.9	12.8	5.3	0.8	
Oklahoma	12.2	4.8	0.0	11.9	5.4	0.0	12.1	5.4	0.0	
Oregon	6.9	2.5	0.0	6.5	2.3	0.0	6.0	2.2	0.0	
Pennsylvania	13.0	4.8	0.0	12.5	4.8	0.0	11.9	4.4	0.7	
Rhode Island	7.9	2.8	0.0	6.7	2.8	0.0	7.0	2.9	0.0	
South Carolina	19.0	7.4	1.1	18.3	7.9	1.8	17.8	7.4	1.4	
South Dakota	5.1	1.7	0.0	4.4	1.6	0.0	4.7	1.7	0.0	
Tennessee	15.1	6.1	0.8	14.2	6.1	0.7	14.5	6.1	1.4	
Texas	14.9	5.7	0.0	15.5	5.9	0.0	14.7	5.6	0.0	
Utah	4.6	1.5	0.0	4.2	1.8	0.0	4.9	2.0	0.0	
Vermont	5.9	2.4	0.0	5.3	2.0	0.0	4.8	2.2	0.0	
Virginia	14.3	6.3	0.0	14.6	6.3	1.0	14.2	6.0	0.7	
Washington	7.8	3.4	0.0	7.8	2.9	0.0	7.7	3.0	0.0	
West Virginia	13.9	5.1	0.0	12.8	4.9	0.0	12.5	4.7	0.0	
Wisconsin	5.3	1.8	0.0	5.4	1.8	0.0	4.9	1.7	0.0	
Wyoming	4.7	0.8	0.0	2.8	0.9	0.0	2.9	0.9	0.0	

Source: MDS

Table 3.16. Prevalence of Weight Loss in Nursing Homes by Type of Nursing Home in the 90th, Median, and 10th Percentile in United States, Quarterly 1999-2001

1999													
Percent of Residents													
Percentile	Quarter 1			Quarter 2			Quarter 3			Quarter 4			
	90th	Median	10th	90th	Median	10th	90th	Median	10th	90th	Median	10th	
Nation	21.8	11.4	4.2	21.2	10.8	3.9	20.0	10.2	3.7	19.4	9.9	3.5	
<i>Ownership</i>													
For-Profit	20.8	11.3	4.3	20.2	10.7	4.0	19.0	10.1	3.8	18.3	9.8	3.6	
Voluntary Non-Profit	23.8	12.0	4.6	23.4	11.3	4.2	22.2	10.5	3.9	22.0	10.3	4.0	
Government	20.6	10.8	3.7	20.0	10.2	3.8	18.3	9.5	3.5	18.2	9.0	3.2	
<i>Certification</i>													
Medicare and Medicaid	21.0	11.6	4.8	20.4	10.9	4.5	19.2	10.3	4.2	18.4	10.1	4.1	
Medicare only	34.4	16.4	4.3	33.1	15.6	4.4	32.8	15.4	4.2	32.2	14.9	4.0	
Medicaid only	17.0	8.3	2.1	16.9	8.2	2.2	15.4	7.5	2.0	14.9	7.1	1.8	
<i>Bed Size</i>													
Less than 50	28.3	11.9	2.5	27.7	11.1	2.5	27.8	10.3	2.2	27.3	10.3	2.2	
50 - 99	20.4	10.7	3.8	19.6	10.1	3.6	18.6	9.6	3.4	17.8	9.2	3.2	
100 - 199	20.9	11.9	5.3	20.3	11.3	5.0	19.2	10.5	4.8	18.3	10.3	4.5	
200 or more	19.6	11.6	6.0	19.0	10.8	5.5	18.5	10.4	5.0	17.4	10.1	5.1	
2000													
Percent of Residents													
Percentile	Quarter 1			Quarter 2			Quarter 3			Quarter 4			
	90th	Median	10th	90th	Median	10th	90th	Median	10th	90th	Median	10th	
Nation	20.5	10.7	3.8	19.1	9.7	3.4	18.7	9.5	3.3	18.8	9.6	3.3	
<i>Ownership</i>													
For-Profit	19.5	10.6	4.0	18.2	9.6	3.5	17.7	9.5	3.4	17.8	9.5	3.4	
Voluntary Non-Profit	23.0	11.4	4.2	21.6	10.4	3.8	21.0	10.0	3.7	21.1	10.1	3.7	
Government	18.8	10.0	3.4	18.3	9.0	3.3	17.3	8.9	3.0	18.3	9.2	3.3	
<i>Certification</i>													
Medicare and Medicaid	19.8	10.9	4.5	18.4	9.9	4.0	17.9	9.7	3.9	18.0	9.8	3.9	
Medicare only	33.3	15.8	4.1	32.3	14.4	4.0	31.7	14.5	3.8	32.1	14.5	3.7	
Medicaid only	16.7	7.7	2.0	15.1	7.0	1.2	14.6	6.7	1.5	14.7	7.1	0.9	
<i>Bed Size</i>													
Less than 50	28.0	10.8	2.4	27.2	9.9	1.1	26.1	10.0	2.0	27.0	10.0	0.8	
50 - 99	19.4	10.0	3.4	18.1	9.2	3.0	17.7	8.9	2.9	17.6	9.0	2.9	
100 - 199	19.5	11.1	4.9	18.2	10.1	4.5	17.5	10.0	4.4	17.8	10.0	4.4	
200 or more	18.3	10.9	5.6	16.7	9.8	5.2	16.5	9.5	5.0	17.4	9.9	5.1	
2001													
Percent of Residents													
Percentile	Quarter 1			Quarter 2			Quarter 3			Quarter 4			
	90th	Median	10th	90th	Median	10th	90th	Median	10th	90th	Median	10th	
Nation	19.5	10.1	3.7	18.8	9.7	3.6	18.3	9.5	3.4	18.2	9.3	3.4	
<i>Ownership</i>													
For-Profit	18.4	10.0	3.8	17.7	9.5	3.4	17.5	9.4	3.4	17.4	9.2	3.3	
Voluntary Non-Profit	21.8	10.7	3.8	21.6	10.2	4.0	20.7	10.0	3.7	20.7	9.8	3.7	
Government	19.4	9.8	3.4	18.8	9.3	3.3	18.2	9.3	3.2	18.8	9.1	3.0	
<i>Certification</i>													
Medicare and Medicaid	18.8	10.3	4.2	18.2	9.9	4.1	17.6	9.7	3.9	17.6	9.5	3.8	
Medicare only	31.6	14.8	3.7	30.5	14.3	3.7	32.1	14.1	3.4	32.1	13.6	3.5	
Medicaid only	15.4	7.3	1.2	14.5	7.0	1.6	14.8	7.0	1.5	14.6	6.6	1.3	
<i>Bed Size</i>													
Less than 50	27.3	10.3	0.9	26.7	9.8	1.8	26.3	10.2	2.1	25.4	10.0	0.8	
50 - 99	18.2	9.5	3.3	17.8	9.2	3.1	17.6	9.1	3.1	17.4	8.9	3.0	
100 - 199	18.6	10.6	4.8	17.7	10.0	4.5	17.1	9.8	4.3	17.2	9.6	4.2	
200 or more	17.5	10.0	5.4	16.7	9.7	5.2	15.8	9.3	4.9	16.4	9.3	4.7	

Source: MDS and OSCAR

Table 3.17. Prevalence of Weight Loss in Nursing Homes in the 90th, Median, and 10th Percentile in United States, Third Quarter 1999-2001

Nation	Percent of Residents									
	Percentile	1999 Quarter 3			2000 Quarter 3			2001 Quarter 3		
		90th	Median	10th	90th	Median	10th	90th	Median	10th
	20.0	10.2	3.7	18.8	9.5	3.4	18.3	9.5	3.4	
Alabama	22.6	11.4	5.4	20.9	11.3	5.4	19.9	10.8	4.9	
Alaska	18.8	11.9	0.0	20.0	10.5	5.3	19.4	11.3	0.0	
Arizona	20.1	9.4	3.9	20.9	10.0	1.9	17.5	8.3	3.5	
Arkansas	22.5	11.3	4.2	20.3	9.5	3.1	20.3	9.7	3.6	
California	21.5	9.9	3.1	20.3	9.0	2.6	19.2	9.3	2.6	
Colorado	22.2	10.2	3.9	19.2	10.4	4.7	18.5	9.5	4.1	
Connecticut	16.2	9.8	4.4	15.6	8.8	3.5	15.9	9.3	4.4	
Delaware	19.1	10.6	5.6	18.9	10.3	3.8	19.0	11.5	3.4	
District of Columbia	16.4	10.2	5.2	13.9	8.4	2.9	15.5	10.1	3.3	
Florida	22.5	11.2	4.8	21.3	11.1	4.8	19.7	10.3	4.3	
Georgia	19.0	10.8	4.3	18.0	10.6	4.3	17.8	10.4	4.9	
Hawaii	20.4	10.8	3.5	22.7	9.9	2.4	18.5	9.8	3.8	
Idaho	25.8	13.5	3.9	21.6	12.4	5.6	22.8	12.5	4.4	
Illinois	17.6	9.0	3.3	16.3	8.2	2.3	16.2	8.3	2.4	
Indiana	19.0	9.9	3.4	17.7	9.4	2.9	17.7	9.1	3.5	
Iowa	14.3	7.5	2.7	13.4	6.8	2.2	14.3	7.6	2.6	
Kansas	16.2	8.0	2.6	16.7	7.5	2.1	16.7	7.9	1.9	
Kentucky	24.2	11.7	5.0	22.9	10.9	4.5	20.3	10.9	5.0	
Louisiana	20.0	9.2	2.6	19.1	8.9	2.8	17.7	9.6	3.5	
Maine	15.4	8.3	2.0	16.8	8.9	2.7	19.0	9.3	2.8	
Maryland	20.0	11.2	4.4	18.5	10.2	3.6	18.5	9.9	4.3	
Massachusetts	20.7	11.8	4.8	17.9	10.4	4.4	17.7	9.8	4.0	
Michigan	20.7	11.5	5.0	20.1	10.0	4.2	20.0	11.2	3.9	
Minnesota	16.4	8.7	2.8	15.4	8.6	2.9	16.0	9.0	3.7	
Mississippi	18.6	9.6	3.5	16.4	8.9	4.0	16.7	9.2	3.1	
Missouri	20.8	10.3	3.1	20.0	9.1	2.9	18.5	8.7	3.2	
Montana	19.8	11.1	2.5	21.4	11.2	3.9	19.6	9.4	3.9	
Nebraska	15.8	8.6	2.8	16.0	8.3	2.7	16.4	8.3	2.9	
Nevada	21.9	11.5	5.0	21.0	11.1	6.1	25.0	8.8	1.9	
New Hampshire	18.8	10.8	5.1	17.5	10.4	3.8	18.2	11.5	3.9	
New Jersey	21.6	11.7	5.6	21.2	11.5	5.9	20.6	11.8	5.3	
New Mexico	20.0	10.3	3.7	22.4	9.3	2.9	22.0	10.9	4.9	
New York	17.4	9.2	4.3	16.3	8.7	4.4	16.4	8.9	4.1	
North Carolina	23.1	11.1	4.9	20.6	10.8	4.0	18.9	10.5	5.0	
North Dakota	15.6	8.1	2.6	14.0	7.0	2.7	14.3	8.4	2.9	
Ohio	19.5	10.3	4.0	17.9	9.4	4.0	17.5	9.4	4.0	
Oklahoma	18.6	8.2	2.4	18.2	8.3	1.8	16.5	7.5	1.5	
Oregon	19.9	11.1	4.5	18.8	10.5	3.7	20.6	10.6	3.7	
Pennsylvania	21.9	11.3	5.3	20.3	10.6	5.1	19.6	10.4	5.1	
Rhode Island	23.0	12.8	4.8	18.1	11.5	4.9	20.2	11.1	4.5	
South Carolina	21.6	11.1	4.8	20.2	10.6	5.3	22.2	11.5	4.4	
South Dakota	16.1	7.5	2.3	15.0	8.1	2.7	15.5	8.5	2.9	
Tennessee	21.6	11.9	5.4	20.2	11.6	5.7	19.4	10.8	4.5	
Texas	19.0	9.1	2.4	16.7	8.0	2.4	15.4	7.9	2.2	
Utah	21.4	10.5	3.4	18.5	10.5	2.9	18.2	9.9	3.6	
Vermont	17.6	10.8	5.9	17.9	10.2	5.4	16.1	12.0	5.8	
Virginia	18.7	11.2	5.4	18.2	10.1	4.5	20.0	10.8	4.7	
Washington	22.8	13.4	5.6	20.3	11.8	5.3	22.5	12.9	5.7	
West Virginia	21.0	11.1	3.4	20.2	10.5	3.8	19.0	10.6	4.5	
Wisconsin	21.0	11.6	5.2	18.2	10.2	4.2	18.2	10.4	4.5	
Wyoming	31.0	12.3	3.2	20.6	10.4	0.0	21.2	10.9	3.1	

Source: MDS

Table 3.18. Prevalence of Dehydration in Nursing Homes by Type of Nursing Home at the 90th, Median, and 10th Percentile: United States, Quarterly 1999-2001

	Percent of Residents												
	Percentile	Quarter 1			Quarter 2			Quarter 3			Quarter 4		
		90th	Median	10th	90th	Median	10th	90th	Median	10th	90th	Median	10th
1999													
Nation	3.2	0.0	0.0	2.9	0.0	0.0	2.4	0.0	0.0	2.1	0.0	0.0	
<i>Ownership</i>													
For-Profit	2.8	0.0	0.0	2.6	0.0	0.0	2.1	0.0	0.0	1.9	0.0	0.0	
Voluntary Non-Profit	3.8	0.0	0.0	3.4	0.0	0.0	3.0	0.0	0.0	2.8	0.0	0.0	
Government	3.8	0.0	0.0	3.6	0.0	0.0	3.0	0.0	0.0	2.4	0.0	0.0	
<i>Certification</i>													
Medicare and Medicaid	2.9	0.0	0.0	2.7	0.0	0.0	2.2	0.0	0.0	2.0	0.0	0.0	
Medicare only	10.3	1.4	0.0	9.2	1.1	0.0	8.7	0.8	0.0	8.0	0.6	0.0	
Medicaid only	1.7	0.0	0.0	1.5	0.0	0.0	1.1	0.0	0.0	1.0	0.0	0.0	
<i>Bed Size</i>													
Less than 50	7.1	0.0	0.0	6.3	0.0	0.0	5.6	0.0	0.0	5.3	0.0	0.0	
50 - 99	3.0	0.0	0.0	2.6	0.0	0.0	2.2	0.0	0.0	2.0	0.0	0.0	
100 - 199	2.6	0.5	0.0	2.4	0.0	0.0	1.9	0.0	0.0	1.7	0.0	0.0	
200 or more	2.1	0.4	0.0	1.8	0.3	0.0	1.6	0.0	0.0	1.4	0.0	0.0	
2000													
Nation	2.2	0.0	0.0	1.9	0.0	0.0	1.7	0.0	0.0	1.7	0.0	0.0	
<i>Ownership</i>													
For-Profit	1.9	0.0	0.0	1.6	0.0	0.0	1.4	0.0	0.0	1.5	0.0	0.0	
Voluntary Non-Profit	2.7	0.0	0.0	2.3	0.0	0.0	2.2	0.0	0.0	2.1	0.0	0.0	
Government	2.9	0.0	0.0	2.6	0.0	0.0	2.3	0.0	0.0	2.2	0.0	0.0	
<i>Certification</i>													
Medicare and Medicaid	2.0	0.0	0.0	1.7	0.0	0.0	1.5	0.0	0.0	1.6	0.0	0.0	
Medicare only	7.9	0.5	0.0	6.9	0.0	0.0	7.4	0.0	0.0	7.9	0.0	0.0	
Medicaid only	1.1	0.0	0.0	0.8	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	
<i>Bed Size</i>													
Less than 50	5.3	0.0	0.0	4.7	0.0	0.0	4.8	0.0	0.0	4.5	0.0	0.0	
50 - 99	2.0	0.0	0.0	1.8	0.0	0.0	1.7	0.0	0.0	1.7	0.0	0.0	
100 - 199	1.7	0.0	0.0	1.4	0.0	0.0	1.3	0.0	0.0	1.3	0.0	0.0	
200 or more	1.4	0.0	0.0	1.2	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	
2001													
Nation	1.7	0.0	0.0	1.6	0.0	0.0	1.5	0.0	0.0	1.5	0.0	0.0	
<i>Ownership</i>													
For-Profit	1.5	0.0	0.0	1.4	0.0	0.0	1.3	0.0	0.0	1.3	0.0	0.0	
Voluntary Non-Profit	2.1	0.0	0.0	2.0	0.0	0.0	1.9	0.0	0.0	1.8	0.0	0.0	
Government	2.2	0.0	0.0	1.9	0.0	0.0	2.0	0.0	0.0	1.9	0.0	0.0	
<i>Certification</i>													
Medicare and Medicaid	1.6	0.0	0.0	1.4	0.0	0.0	1.4	0.0	0.0	1.4	0.0	0.0	
Medicare only	6.8	0.0	0.0	7.0	0.0	0.0	5.5	0.0	0.0	4.9	0.0	0.0	
Medicaid only	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
<i>Bed Size</i>													
Less than 50	4.2	0.0	0.0	4.2	0.0	0.0	4.1	0.0	0.0	3.4	0.0	0.0	
50 - 99	1.7	0.0	0.0	1.6	0.0	0.0	1.5	0.0	0.0	1.6	0.0	0.0	
100 - 199	1.3	0.0	0.0	1.1	0.0	0.0	1.1	0.0	0.0	1.1	0.0	0.0	
200 or more	0.9	0.0	0.0	0.8	0.0	0.0	0.8	0.0	0.0	0.7	0.0	0.0	

Source: MDS and OSCAR

Table 3.19. Prevalence of Dehydration in Nursing Homes at the 90th, Median, and 10th Percentile: United States, Third Quarter 1999-2001

Nation	Percentile	Percent Residents								
		1999 Quarter 3			2000 Quarter 3			2001 Quarter 3		
		90th	Median	10th	90th	Median	10th	90th	Median	10th
Alabama	2.4	0.0	0.0	1.7	0.0	0.0	1.5	0.0	0.0	
Alaska	6.7	0.0	0.0	12.0	0.0	0.0	4.3	0.0	0.0	
Arizona	3.6	0.7	0.0	2.2	0.0	0.0	1.4	0.0	0.0	
Arkansas	2.5	0.0	0.0	1.7	0.0	0.0	1.4	0.0	0.0	
California	2.9	0.0	0.0	1.7	0.0	0.0	1.5	0.0	0.0	
Colorado	3.5	0.0	0.0	1.9	0.0	0.0	1.6	0.0	0.0	
Connecticut	2.0	0.0	0.0	1.4	0.0	0.0	1.4	0.0	0.0	
Delaware	1.5	0.0	0.0	1.3	0.0	0.0	1.3	0.0	0.0	
District of Columbia	1.7	0.0	0.0	3.2	0.0	0.0	1.0	0.0	0.0	
Florida	2.3	0.0	0.0	1.1	0.0	0.0	1.0	0.0	0.0	
Georgia	1.8	0.0	0.0	1.3	0.0	0.0	1.4	0.0	0.0	
Hawaii	1.6	0.0	0.0	1.0	0.0	0.0	1.9	0.0	0.0	
Idaho	3.9	0.0	0.0	2.4	0.0	0.0	2.9	0.0	0.0	
Illinois	1.4	0.0	0.0	0.9	0.0	0.0	0.8	0.0	0.0	
Indiana	2.3	0.0	0.0	1.5	0.0	0.0	1.0	0.0	0.0	
Iowa	1.7	0.0	0.0	1.3	0.0	0.0	0.7	0.0	0.0	
Kansas	2.4	0.0	0.0	1.9	0.0	0.0	1.6	0.0	0.0	
Kentucky	2.4	0.0	0.0	1.5	0.0	0.0	1.4	0.0	0.0	
Louisiana	3.3	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	
Maine	2.7	0.0	0.0	2.4	0.0	0.0	2.2	0.0	0.0	
Maryland	2.2	0.0	0.0	1.6	0.0	0.0	1.4	0.0	0.0	
Massachusetts	3.2	0.2	0.0	1.9	0.0	0.0	1.9	0.0	0.0	
Michigan	2.4	0.0	0.0	1.5	0.0	0.0	1.3	0.0	0.0	
Minnesota	1.8	0.0	0.0	1.4	0.0	0.0	1.2	0.0	0.0	
Mississippi	1.6	0.0	0.0	1.6	0.0	0.0	0.8	0.0	0.0	
Missouri	3.1	0.0	0.0	2.2	0.0	0.0	1.9	0.0	0.0	
Montana	4.6	0.0	0.0	3.2	0.0	0.0	3.0	0.0	0.0	
Nebraska	2.1	0.0	0.0	1.8	0.0	0.0	1.5	0.0	0.0	
Nevada	2.8	0.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0	
New Hampshire	2.9	0.0	0.0	1.7	0.0	0.0	1.5	0.0	0.0	
New Jersey	1.7	0.0	0.0	1.3	0.0	0.0	1.4	0.0	0.0	
New Mexico	3.1	0.0	0.0	1.5	0.0	0.0	1.1	0.0	0.0	
New York	1.6	0.0	0.0	1.2	0.0	0.0	1.1	0.0	0.0	
North Carolina	2.4	0.0	0.0	1.9	0.0	0.0	1.6	0.0	0.0	
North Dakota	2.3	0.0	0.0	1.3	0.0	0.0	2.0	0.0	0.0	
Ohio	2.2	0.0	0.0	1.4	0.0	0.0	1.1	0.0	0.0	
Oklahoma	2.8	0.0	0.0	2.5	0.0	0.0	1.9	0.0	0.0	
Oregon	3.6	0.0	0.0	2.6	0.0	0.0	2.1	0.0	0.0	
Pennsylvania	2.4	0.0	0.0	1.4	0.0	0.0	1.2	0.0	0.0	
Rhode Island	2.2	0.0	0.0	1.6	0.0	0.0	1.7	0.0	0.0	
South Carolina	2.1	0.0	0.0	2.3	0.0	0.0	2.0	0.0	0.0	
South Dakota	2.3	0.0	0.0	2.3	0.0	0.0	1.9	0.0	0.0	
Tennessee	2.9	0.0	0.0	1.5	0.0	0.0	1.6	0.0	0.0	
Texas	2.3	0.0	0.0	1.4	0.0	0.0	1.2	0.0	0.0	
Utah	3.0	0.0	0.0	2.8	0.0	0.0	2.8	0.0	0.0	
Vermont	3.0	0.0	0.0	2.4	0.0	0.0	3.2	0.0	0.0	
Virginia	1.9	0.0	0.0	2.2	0.0	0.0	1.5	0.0	0.0	
Washington	6.6	1.4	0.0	4.4	1.0	0.0	4.9	1.1	0.0	
West Virginia	3.2	0.0	0.0	3.2	0.0	0.0	2.0	0.0	0.0	
Wisconsin	2.0	0.0	0.0	1.8	0.0	0.0	1.5	0.0	0.0	
Wyoming	2.5	0.0	0.0	3.4	0.0	0.0	2.0	0.0	0.0	

Source: MDS

Table 3.20. Prevalence of Severe Bowel or Bladder Incontinence by Type of Nursing Home at the 90th, Median, and 10th Percentile: United States, Quarterly 1999-2001

1999													
Percent of Residents													
Nation	Percentile	Quarter 1			Quarter 2			Quarter 3			Quarter 4		
		90th	Median	10th									
		56.1	35.7	13.6	56.3	35.6	13.5	56.4	36.0	13.8	56.3	35.9	13.6
<i>Ownership</i>													
	For-Profit	57.0	38.1	18.6	57.0	38.2	18.5	57.1	38.3	18.8	57.1	38.2	18.6
	Voluntary Non-Profit	52.9	30.1	9.1	52.8	30.0	9.1	53.3	30.4	8.5	53.3	30.4	8.6
	Government	56.6	33.3	13.1	56.8	33.3	13.2	57.7	33.8	13.1	57.6	33.3	12.5
<i>Certification</i>													
	Medicare and Medicaid	56.8	37.5	18.1	56.7	37.4	18.0	56.9	37.7	18.3	56.9	37.7	17.9
	Medicare only	44.1	18.1	3.7	43.5	17.2	3.6	43.2	18.3	3.4	44.0	18.1	3.5
	Medicaid only	54.2	31.7	9.5	55.0	31.6	9.7	54.8	32.1	10.0	54.1	31.9	9.9
<i>Bed Size</i>													
	Less than 50	52.0	23.1	4.7	52.0	22.9	4.8	51.7	23.1	4.3	52.1	23.2	4.3
	50 - 99	57.0	34.8	15.0	56.9	34.7	14.9	57.1	34.8	15.1	57.1	34.6	14.7
	100 - 199	55.8	38.5	21.0	55.8	38.6	20.8	56.0	38.9	21.3	56.0	38.8	21.1
	200 or more	58.0	40.5	19.8	58.8	40.5	19.0	58.4	40.7	19.3	57.9	41.1	19.0
2000													
Percent of Residents													
Nation	Percentile	Quarter 1			Quarter 2			Quarter 3			Quarter 4		
		90th	Median	10th									
		55.9	35.3	13.6	55.8	35.2	13.4	56.3	35.7	13.5	56.4	35.6	13.5
<i>Ownership</i>													
	For-Profit	56.8	37.6	17.9	56.7	37.6	17.8	57.1	38.2	18.1	57.1	38.2	17.9
	Voluntary Non-Profit	52.8	29.7	8.3	52.6	29.5	8.2	53.3	30.0	8.2	53.3	30.0	8.1
	Government	56.7	32.4	11.9	57.1	32.6	11.6	56.6	33.0	11.8	57.4	32.7	10.9
<i>Certification</i>													
	Medicare and Medicaid	56.5	37.0	17.4	56.5	36.8	17.2	56.9	37.6	17.5	56.9	37.5	17.2
	Medicare only	43.0	17.1	3.1	43.1	16.7	2.9	45.0	16.7	3.1	45.2	16.0	2.8
	Medicaid only	53.8	31.0	9.4	54.2	31.1	9.3	54.3	31.6	10.0	54.9	31.5	9.7
<i>Bed Size</i>													
	Less than 50	51.9	22.9	4.1	51.7	22.2	3.9	52.8	22.7	3.8	52.7	23.3	3.7
	50 - 99	56.2	33.8	14.3	55.8	33.3	14.3	56.4	34.1	14.5	56.7	34.1	14.3
	100 - 199	55.9	38.3	20.5	55.9	38.3	20.5	56.3	38.8	20.8	56.3	38.8	20.7
	200 or more	57.5	40.4	18.9	57.7	40.4	18.1	57.9	40.7	18.5	57.6	40.7	17.8
2001													
Percent of Residents													
Nation	Percentile	Quarter 1			Quarter 2			Quarter 3			Quarter 4		
		90th	Median	10th									
		55.9	35.1	13.3	56.0	35.1	13.2	56.4	35.5	13.3	56.7	35.6	13.3
<i>Ownership</i>													
	For-Profit	56.9	37.7	17.4	57.1	37.5	17.3	57.4	37.9	17.4	57.5	38.1	17.5
	Voluntary Non-Profit	52.5	29.7	7.7	52.8	29.1	7.7	53.1	29.7	7.7	52.9	29.7	7.8
	Government	56.9	31.5	10.5	56.5	31.6	11.1	57.5	32.0	10.3	57.1	32.0	9.3
<i>Certification</i>													
	Medicare and Medicaid	56.6	36.9	16.9	56.6	36.8	16.8	57.1	37.1	16.9	57.1	37.1	16.9
	Medicare only	42.6	16.0	2.5	43.1	15.2	2.9	43.6	15.6	2.7	43.9	15.0	2.3
	Medicaid only	54.0	30.6	7.5	54.7	30.3	7.1	54.9	30.8	7.7	55.4	30.6	8.0
<i>Bed Size</i>													
	Less than 50	51.7	22.0	3.1	52.9	21.6	3.6	53.2	21.6	3.4	53.5	22.0	2.9
	50 - 99	55.8	33.3	14.0	55.8	33.8	14.0	56.3	33.9	13.8	56.5	34.0	13.8
	100 - 199	56.1	38.3	20.0	56.0	38.3	19.9	56.4	38.5	20.2	56.6	38.7	19.8
	200 or more	58.3	40.9	21.8	58.6	40.6	22.0	58.8	41.5	21.9	59.0	41.1	22.0

Source: MDS and OSCAR

Table 3.21. Prevalence of Severe Bowel or Bladder Incontinence by State at the 90th, Median, and 10th Percentile: United States, Third Quarter 1999-2001.

Nation	Percent of Residents									
	Percentile	1999 Quarter 3			2000 Quarter 3			2001 Quarter 3		
		90th	Median	10th	90th	Median	10th	90th	Median	10th
Nation	56.4	36.0	13.8	56.3	35.7	13.5	56.4	35.5	13.3	
Alabama	57.4	43.3	29.4	54.9	42.1	26.9	56.5	42.0	28.9	
Alaska	51.7	23.5	11.9	59.8	18.0	10.0	57.4	25.0	2.2	
Arizona	52.3	36.8	15.4	47.8	35.7	16.5	48.3	35.7	15.9	
Arkansas	52.2	37.8	21.9	52.0	38.8	22.9	50.8	38.6	21.1	
California	66.2	47.6	19.2	67.5	47.2	18.6	68.3	47.8	17.9	
Colorado	42.0	27.1	9.7	43.1	27.0	10.5	42.4	27.3	10.2	
Connecticut	43.5	30.5	16.5	44.5	30.3	15.5	46.0	30.5	13.6	
Delaware	56.1	40.4	21.8	50.9	39.8	22.0	56.3	40.4	21.6	
District of Columbia	64.8	52.1	23.0	65.7	49.2	30.4	63.1	47.0	29.9	
Florida	53.9	38.6	16.3	54.0	38.8	18.0	54.0	38.2	18.8	
Georgia	58.5	44.2	29.5	57.9	44.9	30.1	59.7	45.5	31.0	
Hawaii	73.8	49.5	22.2	77.8	50.5	17.7	71.6	50.3	27.8	
Idaho	44.3	27.0	9.1	43.1	28.9	11.4	41.8	28.6	9.3	
Illinois	41.1	24.5	7.7	40.6	24.2	7.2	41.3	23.9	6.7	
Indiana	47.8	32.9	14.3	48.5	31.9	13.3	50.0	32.1	12.7	
Iowa	33.9	18.2	6.7	34.5	18.2	7.5	37.1	18.3	7.3	
Kansas	40.0	23.2	9.4	38.6	23.4	8.3	38.5	24.4	7.0	
Kentucky	60.6	46.6	16.0	60.4	45.9	16.8	59.7	45.1	18.5	
Louisiana	51.0	37.9	25.6	52.1	38.1	23.8	53.0	39.1	26.1	
Maine	57.3	36.6	10.2	58.5	34.5	12.9	57.1	31.6	11.0	
Maryland	63.6	47.4	12.5	61.1	46.0	13.2	60.3	44.4	16.3	
Massachusetts	58.2	41.7	14.8	59.3	41.1	17.1	58.0	40.9	14.6	
Michigan	50.5	32.7	17.6	48.6	31.1	15.4	48.7	30.8	14.9	
Minnesota	44.2	27.2	12.8	43.3	26.6	11.6	42.5	24.9	9.5	
Mississippi	58.7	44.2	22.6	57.6	45.2	23.8	58.0	45.5	27.3	
Missouri	44.0	29.6	12.8	43.3	27.1	11.8	44.3	26.3	10.7	
Montana	41.7	26.2	9.1	39.6	23.3	10.3	41.1	23.7	8.0	
Nebraska	34.8	19.4	6.1	35.9	20.1	6.6	37.3	20.0	6.8	
Nevada	58.8	37.8	13.0	57.4	40.2	11.6	58.4	47.9	16.7	
New Hampshire	39.5	25.4	14.8	38.2	24.0	11.2	38.1	21.7	10.9	
New Jersey	50.0	37.0	18.6	51.3	36.8	17.7	51.6	37.0	19.9	
New Mexico	48.3	36.2	15.9	48.2	35.8	20.0	48.9	36.2	15.3	
New York	59.7	41.9	22.7	58.8	42.2	23.0	59.6	40.9	23.1	
North Carolina	61.6	47.3	28.0	63.5	48.0	26.4	62.1	47.3	27.7	
North Dakota	37.5	24.1	9.1	38.6	23.0	7.1	33.3	21.0	7.8	
Ohio	45.5	29.5	13.1	43.7	28.6	13.0	43.5	28.3	12.3	
Oklahoma	46.9	33.3	18.6	45.5	31.6	20.3	45.9	31.9	17.2	
Oregon	52.4	35.2	19.7	53.2	35.5	21.3	52.9	35.0	19.3	
Pennsylvania	60.4	43.2	10.4	60.6	43.4	12.0	61.0	43.3	14.7	
Rhode Island	44.0	27.6	13.8	42.2	28.0	12.1	47.7	28.3	11.5	
South Carolina	66.3	54.4	24.3	65.2	52.3	21.0	66.7	52.7	23.3	
South Dakota	36.8	21.8	6.8	38.3	22.6	10.2	38.0	24.7	8.3	
Tennessee	58.7	44.0	24.0	59.3	43.9	20.8	59.6	43.8	22.0	
Texas	60.4	45.2	25.6	60.7	45.9	27.3	61.4	46.1	27.0	
Utah	44.6	29.1	7.9	44.4	30.1	9.0	46.0	27.7	8.3	
Vermont	40.3	30.4	18.9	45.5	28.6	20.6	50.0	30.2	20.6	
Virginia	64.7	50.0	29.0	64.7	48.8	26.1	62.9	49.3	27.5	
Washington	48.5	31.0	13.8	48.4	32.3	16.8	48.2	31.8	16.2	
West Virginia	54.3	38.3	13.3	54.1	38.6	10.8	53.2	37.7	8.3	
Wisconsin	37.5	23.5	9.1	37.8	23.5	8.5	37.0	22.2	8.3	
Wyoming	28.6	14.7	2.6	30.6	17.3	2.8	30.0	19.2	4.3	

Source: MDS