



**Nursing Facilities, Staffing,
Residents and Facility
Deficiencies, 2000 Through 2006**

by
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STATE DATA ON NURSING FACILITIES, STAFFING, RESIDENTS, AND FACILITY DEFICIENCIES, 2000 THROUGH 2006

Introduction

The large state and federal expenditures for freestanding nursing facilities (estimated to be \$122 billion in 2005) have drawn the attention of policy makers and researchers to understand the nursing home industry (Catlin et al., 2005). The demand for nursing home beds is growing with the aging of the population and many other factors (Zedlewski and McBride, 1992). As the need for care grows, the nation's nursing facilities are an increasing subject of concern. The specific characteristics of the facilities, staff, and residents are of critical importance to the delivery of nursing home care.

The quality of care provided in nursing homes has long been a matter of great concern to consumers, professionals, and policy-makers. Because of the growing concern about nursing home quality, Congress requested a study by the Institute of Medicine (IOM). The IOM's Study on Nursing Home Regulation (1986) and other studies reported widespread quality of care problems and recommended the strengthening of federal regulations for nursing homes (US GAO, 1987; US Senate, 1986; Zimmerman et al., 1985). The IOM Committee recommendations and the active efforts of many consumer advocates resulted in Congress passing Nursing Home Reform Legislation (OBRA, 1987).

Major changes were made by the Health Care Financing Administration (HCFA) (now called the Centers for Medicare and Medicaid Services) (CMS) in the federal survey reports and the enforcement procedures in July 1995.

The OBRA 1987, implemented by HCFA regulations in 1990 and in 1992, mandated a number of changes. First, the regulations eliminated the priority hierarchy of conditions, standards, and elements that were in the prior regulations. Second, comprehensive assessments of all nursing home residents were mandated to determine the functional, cognitive, and affective levels of residents that must be used in the care planning process (Morris et al., 1990). Third, more specific requirements for nursing, medical and psychosocial services were designed to attain and maintain the highest possible mental and physical functional status by focusing on outcomes (such as incontinence, immobility, and decubitus ulcers). Regulations detailing and protecting residents' rights were added.

One valuable source of data on nursing facilities and the quality of care in these facilities is from the On-line Survey, Certification, and Reporting system (OSCAR). The OSCAR system has information from the state surveys of all (about 16,500) certified nursing facilities in the U.S., which are entered into a uniform, computerized database.

Purpose of the Data Book

This book presents calendar year data on nursing facilities, staffing, resident characteristics, and surveyor reports of quality deficiencies by state. These OSCAR data are from surveys collected by state agency surveyors on nursing facilities during the federal certification process during the calendar year.

The report presents a description of facility characteristics. Detailed summaries about the type of certification, bed size, occupancy, ownership, hospital-based and chain affiliations and other facility characteristics are presented.

Resident characteristics are shown as reported by the nursing facilities. These include activities of daily living (ADLs), restraints, incontinence, psychological problems, and other special care needs of residents.

Nurse staffing (RNs, LVNs, and NAs) hours per resident day are presented for nursing facilities. These data are reported by facilities for a two-week period prior to when the state survey was conducted. The data are the only major source of information for all facilities on staffing levels.

Finally, data are presented on facility deficiencies based on state surveyor evaluations of the process and outcomes of care in the facilities. Deficiency data are presented for the 17 major areas used in the survey process: (1) resident rights; (2) admission, transfer and discharge rights; (3) resident behavior

and facility practices; (4) quality of life; (5) resident assessment; (6) quality of care; (7) nursing services; (8) dietary services; (9) physician services; (10) rehabilitation services; (11) dental services; (12) pharmacy services; (13) infection control; (14) physical environment; (15) administration; (16) laboratory services; and (17) other. The information compiled shows differences in the frequency of the deficiencies by type and category.

It should be noted that this report does not describe life safety code violations. A report by the General Accounting Office US GAO (2004) found that deaths of residents in nursing home fires pointed out the weaknesses in the federal fire safety standards and the federal oversight of nursing home fire safety is not effective.

In order to use the OSCAR data for this report, the researchers have undertaken a process to prepare the data. Certain decision rules were developed to use different components of the data. Technical issues are described in detail in the Appendix.

Background on the Survey System and Data Collection

Every facility must have an initial survey to verify compliance with all federal regulatory requirements in order to be certified. Certified facilities are resurveyed annually in order to continue certification. States are required to survey each facility no less often than every 15 months, and the state average for all facilities is about every 12 months. Follow-up surveys may be conducted to assure that facilities correct identified deficiencies. In addition, surveys are required when there are substantial changes in a facility's organization and management. Finally, surveys may be conducted to follow-up a complaint that alleges substandard care.

OSCAR data are collected in two different ways. First, the facility characteristics, resident characteristics, and staffing levels are completed on standardized forms by individual nursing homes at the beginning of each survey and are certified by the facility as being accurate. The data are provided to the state surveyors on the appropriate forms as the state begins the survey process. During the survey, state surveyors review the data and conduct checks by comparing the facility report with individual resident medical records, staffing records, and observations of residents. After the review of the survey data, state staff enter the data into a computerized on-line OSCAR data base from written forms.

Second, state surveyors make decisions regarding whether the facility has met or not met each standard after the facility survey has been completed. If a facility is judged to not meet a standard, the facility is given a deficiency and OSCAR reports that the standard was NOT MET.

The survey evaluations are based upon data from a combination of sources including, but not limited to, the assessment of a selected sample of individual residents; interviews with a sample of residents, family members and staff; a review of the resident records and facility documents; and other data. After these judgments are made, the state surveyors record and enter the data for each item for each facility into the on-line OSCAR data system. Thus, the determinations of deficiencies are made by state surveyors independently of the facility, with standard forms, sampling and survey procedures to ensure accuracy. Team members and state supervisors subsequently review state surveyor deficiencies. Facilities have the option to challenge and appeal decisions through an administrative review process.

Because of these checks in the system, the likelihood of false positive deficiencies is low, and errors tend to be in under-reporting of failures to meet standards (US GAO, 1998). Thus, a note of caution is needed that under-reporting of deficiencies is more likely to be a problem than over-reporting.

CMS Procedures and State Survey Variation

CMS is the Centers for Medicare & Medicaid Services, formerly known as the Health Care Financing Administration (HCFA). CMS uses "front-end" edit screens to ensure the accuracy of the OSCAR data. State staff enter the data for each survey item into the OSCAR data set within 45 days of each survey. Some "front-end edit" checks are established in the OSCAR program for entering the data for each component of the survey to identify entry errors. This computerized edit system has resolved many data problems. Beyond this, the regional offices conduct reviews of OSCAR data from each state survey.

One concern about the OSCAR data has been with the survey procedures and the inter-survey reliability (both across states and within states) in judging the quality of facilities (IOM, 1986; US GAO 1988). This issue has been addressed in part by the implementation of the 1990 federal survey procedures. First, the procedures require accuracy checks by surveyors to determine whether facilities are conducting comprehensive assessments of residents and whether or not these assessments are accurate and appropriately used in the care planning process. The federal regulations and survey forms have improved the sampling procedures and survey methods used by the survey teams. The federal procedures require state surveyors to use a stratified random sample of residents for in-depth reviews and to conduct face-to-face resident assessments, closed record reviews, and individual and group structured

interviews. These changes were designed to improve the reliability of the survey process and the data reported on

OSCAR and to make surveys more oriented toward the residents. Moreover, CMS has provided extensive new federal training for state surveyors.

In addition, the Health Care Standards and Quality Bureau of CMS, using federal survey teams from the regional offices, conducts periodic oversight surveys. In the past, Federal staff resurveyed the same facilities within 60 days of the state survey for a sample of facilities. Regional CMS offices developed a survey concurrence index for key survey components (from OSCAR) for each state. This annual concurrence index becomes a part of the federal monitoring criteria along with other components conducted by CMS. States that fall below the concurrence standards established by CMS are critiqued and monitored by CMS. Using the procedures since July 1995, federal surveyors now accompany state surveyors on a selected number of surveys to observe the surveys.

Even though CMS has made efforts to standardize the reporting of deficiencies by state survey staff, some regional variations may exist. Different states may vary their survey procedures, training efforts, and enforcement stringency (US GAO, 1998; 1999a,b,c; USOIG, 1993; 1999; 2003). A national evaluation of the certification survey processes of nursing facilities conducted by HCFA (1998) also found variations in the survey procedures. Moreover, the enforcement procedures also vary across states (Harrington et al., 1999; 2004). In

spite of the improvements that have been made, the IOM (2001) recommended that there was a need to improve both the state survey process and the enforcement system and made specific recommendations for improvements.

Staff turnover and recruitment problems and fiscal problems at the state agency level may hamper survey and enforcement efforts (USOIG, 1993; US GAO, 2000; 2003; Walshe and Harrington, 2002; Harrington and Swan, 2003; US CMS 2001).

Users of this report should consider that it is difficult to distinguish between real differences in the quality of care in facilities and differences in survey and enforcement procedures across states. It is hoped that this report will be useful to consumers, nursing facilities, researchers, and policy makers to understand trends over time and across states.

FACILITY CHARACTERISTICS

Background

Facility characteristics are important. The most important feature of a facility is the number of beds that are certified for Medicare and Medicaid residents. The size of the facility determines the number of residents who can be admitted. Occupancy rates are important in showing the potential availability of beds and such occupancy rates influence the financial status of the facility. High occupancy rates can limit access to care, especially for those on Medicaid (US GAO, 1990).

The percentage of Medicare and Medicaid patients in a facility is an important factor. Nursing homes have historically considered Medicaid reimbursement rates to be low and prefer private pay patients (Phillips and Hawes, 1988). Nyman (1988b) found that nursing homes in Iowa with more private pay residents provided better quality of care. Gertler (1989) also found a relationship between greater Medicaid patients and poorer quality of nursing home care. Spector and Takada (1991) were able to confirm that facilities with a low percentage of private residents were associated with poorer outcomes of care. Thus, the percentage of Medicare or private pay patients should be included in descriptive information about facilities (Nyman, 1988a,b; 1989b; Davis, 1993).

One of the major debates in research circles is whether the proprietary nature of the nursing home industry affects

process and outcomes in terms of quality of care. A review of the research studies on ownership and quality shows a mixed picture in terms of the relationship (Koetting, 1980; O'Brien et al., 1983; Greene and Monahan, 1981; Hawes and Phillips, 1986; Ullman, 1987; Nyman et al., 1990; Davis, 1991; Aaronson et al., 1994). Nyman (1988b) found that nonprofit nursing homes in Iowa were associated with higher quality of care. Davis (1993) found that for-profit and chain facilities in Kentucky had lower operating costs and lower quality, even though the facilities also had higher ratios of registered nurses per resident and lower overall staffing levels. Harrington et al. (2000a,b) showed higher deficiencies in for-profit facilities than non-profit and government facilities. Thus, proprietary ownership is an area of great debate, but proprietary facilities and chains may be associated with lower staffing levels and poorer process and outcome measures.

Hospital-based nursing homes may have higher quality of care because they have more Medicare patients, have higher staffing levels, and/or are more likely to be non-profit in ownership. Having accreditation may be positively associated with higher staffing levels and with higher quality of care. The existence of dedicated special care units, such as those for persons with Alzheimer's disease, may also be associated with higher quality of care because of higher staffing levels. Large size facilities may also be associated

with higher quality although findings are mixed (Ullmann, 1981; Nyman 1998b; Davis, 1991). Those facilities with organized residents groups or organized family groups may have higher quality of care. Facilities with the capacity to conduct research may also be expected to have higher quality of care.

The following section presents data from OSCAR to describe certified nursing facilities in the U.S.: beds by certification types (Medicare, Medicaid, or both), occupancy rate (number of residents divided by total number of beds), ownership (non-profit religious, non-profit private, non-profit other, proprietary, or government), owned or

leased by a multi-facility organization (chain), and hospital-based facility (yes or no).

In addition, the number of beds in special care units (such as Alzheimer's, AIDS, etc.) was reported. Facilities that have an organized resident group (yes or no) or organized family member group (yes or no) were also reported. Summary data on each of these structural features are presented for each state.

FINDINGS

FACILITY CHARACTERISTICS

Total Number of Certified Nursing Facilities by Calendar Year

Table 1 shows the total number of certified nursing facilities surveyed in the U.S. by calendar year. There were 15,064 certified nursing facilities surveyed in 2000 and 15,294 surveyed in 2006 out of approximately 16,500 certified facilities. Not all facilities are surveyed by state agencies during a calendar year.

**TABLE 1
TOTAL NUMBER OF CERTIFIED NURSING FACILITIES IN THE U.S.
BY CALENDAR YEAR**

State	2000	2001	2002	2003	2004	2005	2006
AK	13	14	12	14	12	15	13
AL	187	195	218	216	202	163	169
AR	250	232	239	228	235	235	236
AZ	137	130	131	112	115	87	132
CA	1,084	1,147	1,190	1,291	1,278	1,228	1,189
CO	199	216	213	206	206	203	202
CT	241	244	239	227	211	227	237
DC	17	18	20	17	20	20	20
DE	39	38	33	37	39	41	42
FL	677	661	646	658	649	626	671
GA	328	322	323	343	327	338	351
HI	39	35	31	32	35	39	46
IA	392	440	442	409	434	435	435
ID	75	73	71	75	68	71	74
IL	819	788	799	752	777	749	764
IN	528	534	489	502	488	468	497
KS	378	360	360	342	359	349	347
KY	271	272	261	280	285	295	291
LA	322	322	313	292	304	272	274
MA	467	446	461	436	437	432	452
MD	230	201	229	220	213	228	225
ME	112	112	113	106	109	106	110
MI	424	424	410	426	420	407	411
MN	389	371	368	377	382	356	374
MO	531	494	506	507	490	491	506
MS	182	185	191	169	178	198	202
MT	90	85	74	92	87	88	85
NC	396	398	375	396	403	403	420
ND	85	85	81	82	82	78	81
NE	189	188	200	215	213	215	221
NH	70	69	62	74	76	76	76
NJ	314	330	338	331	345	341	350
NM	69	65	68	77	65	68	70
NV	45	46	44	44	41	46	47
NY	562	554	645	644	618	635	641
OH	858	906	868	903	897	864	928
OK	290	212	364	359	296	345	327
OR	147	129	135	133	134	124	133
PA	708	700	694	693	688	702	709
RI	85	87	83	36	78	84	87
SC	169	150	163	168	155	162	167
SD	108	106	101	108	100	107	107
TN	315	331	314	306	329	308	316
TX	1,026	1,113	1,096	1,094	1,098	1,074	1,106
UT	88	84	89	82	81	81	90
VA	262	251	239	269	259	248	268
VT	42	40	37	41	38	36	40
WA	259	251	240	241	240	243	237
WI	389	395	386	382	388	379	374
WV	129	114	123	130	118	120	109
WY	38	34	35	35	36	36	35
US	15,064	14,997	15,162	15,209	15,138	14,942	15,294

Total Number of Certified Nursing Facility Beds by Calendar Year

Table 2 shows the number of certified nursing facility beds in the U.S. surveyed during the calendar year and it excludes uncertified beds. There were 1,529,182 nursing facility beds surveyed in 2000, and 1,614,771 in 2006.

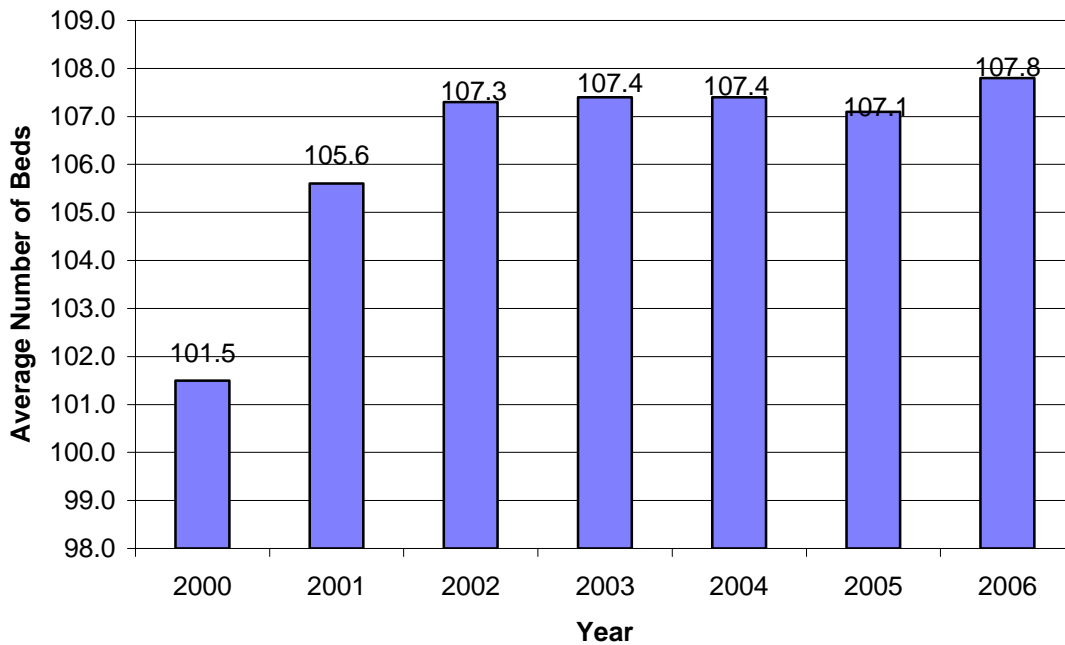
**TABLE 2
TOTAL NUMBER OF CERTIFIED NURSING FACILITY BEDS IN THE U.S.
BY CALENDAR YEAR**

State	2000	2001	2002	2003	2004	2005	2006
AK	669	698	621	729	688	705	411
AL	20,422	21,704	24,891	24,684	22,993	17,775	20,040
AR	24,516	22,407	24,105	23,049	23,729	24,109	24,470
AZ	15,488	14,967	15,046	13,818	13,561	11,018	15,462
CA	99,438	105,504	110,170	121,261	120,460	116,339	113,527
CO	16,944	19,101	19,144	18,468	18,955	19,060	18,876
CT	29,032	29,581	29,282	27,945	25,415	27,513	28,863
DC	2,434	2,541	3,086	2,408	3,062	3,030	2,988
DE	4,009	3,911	3,464	3,930	4,003	4,235	4,276
FL	75,080	75,331	74,680	77,433	76,394	74,290	80,503
GA	35,817	34,949	35,210	37,368	35,888	37,734	38,631
HI	3,075	3,098	2,577	2,810	2,570	3,126	4,032
IA	28,838	32,186	32,076	30,391	31,740	32,023	31,454
ID	5,380	5,198	5,417	5,776	5,540	5,522	5,748
IL	95,064	91,080	94,837	89,511	93,060	90,507	93,331
IN	50,976	51,907	45,619	46,733	45,693	43,666	47,466
KS	24,485	23,111	23,408	22,695	23,327	23,113	22,801
KY	21,696	22,278	21,741	24,228	24,638	25,969	25,545
LA	36,028	36,843	37,479	35,105	37,101	33,737	34,425
MA	48,468	47,229	49,597	47,160	47,581	46,901	49,482
MD	26,805	22,987	27,902	26,407	25,437	27,953	28,241
ME	7,429	7,102	7,041	6,695	6,951	6,978	7,163
MI	46,603	46,169	45,219	46,885	46,006	45,115	45,114
MN	37,190	35,080	34,572	34,225	34,873	31,903	33,415
MO	48,689	45,140	47,296	47,433	47,342	47,990	49,474
MS	16,234	16,008	16,371	14,992	16,100	17,645	18,288
MT	6,555	6,355	5,559	6,848	6,764	6,659	6,199
NC	39,053	39,450	38,396	40,292	40,839	41,103	42,895
ND	6,693	6,515	6,367	6,468	6,465	6,285	6,351
NE	13,490	13,338	13,219	14,663	14,712	14,931	15,656
NH	6,640	6,257	6,225	7,217	7,006	7,277	7,054
NJ	44,684	46,663	48,526	46,385	48,425	47,966	49,641
NM	5,672	5,693	6,214	6,975	5,910	6,232	6,621
NV	4,643	5,135	5,107	5,109	4,672	5,200	5,554
NY	98,385	97,042	118,198	115,227	111,097	118,220	118,987
OH	80,754	84,496	82,615	84,168	84,346	80,977	88,619
OK	23,770	17,445	31,445	31,737	25,898	30,620	29,314
OR	12,495	10,812	11,994	12,014	12,227	11,454	11,972
PA	87,320	86,936	85,354	85,522	85,203	86,224	87,316
RI	8,538	8,846	8,267	3,935	7,830	8,445	8,914
SC	16,095	14,360	16,230	16,665	15,180	16,759	16,978
SD	7,295	7,037	6,789	6,967	6,376	6,465	6,547
TN	34,366	36,182	34,125	34,439	36,687	34,959	36,149
TX	93,814	103,035	106,577	108,195	110,049	111,407	116,163
UT	7,057	6,760	7,207	6,652	6,602	6,441	7,334
VA	27,657	26,459	26,098	29,780	28,349	27,708	29,995
VT	3,471	3,489	3,040	3,471	3,142	3,118	3,381
WA	23,095	22,316	21,797	21,998	21,785	22,189	21,544
WI	43,412	43,348	40,964	39,789	38,718	36,080	35,765
WV	10,367	9,275	10,175	10,526	9,144	9,577	8,941
WY	3,052	2,712	2,651	2,681	2,892	2,772	2,855
US	1,529,182	1,526,066	1,573,990	1,579,862	1,573,425	1,567,024	1,614,771

Average Number of Certified Beds per Nursing Facility

The number of nursing beds per facility is calculated by dividing the total number of certified beds in a state by the total number of certified facilities in the state. Table 3 shows the overall average size of certified facilities was 101.5 beds in 2000 and the average increased to 107.8 beds per facility in 2006.

Average Size of Nursing Facilities



**TABLE 3
AVERAGE NUMBER OF CERTIFIED NURSING FACILITY BEDS IN THE U.S.
BY CALENDAR YEAR**

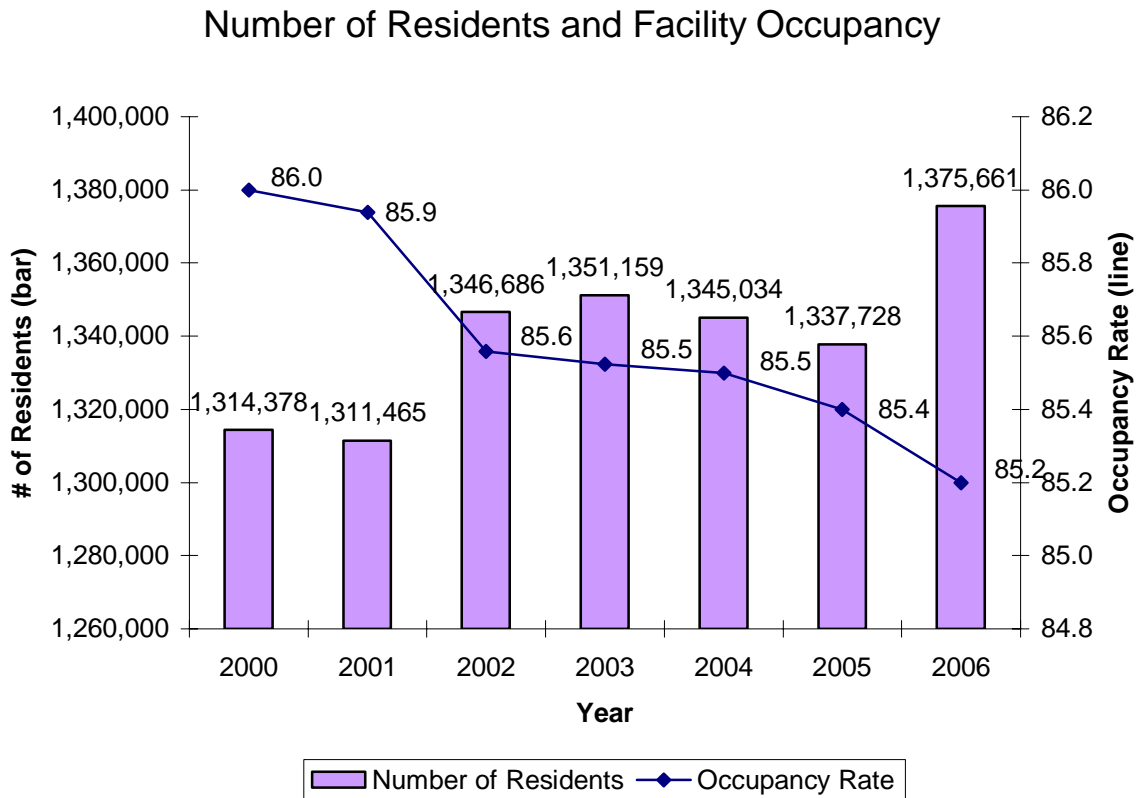
State	2000	2001	2002	2003	2004	2005	2006
AK	51.5	50.7	51.8	52.1	59.0	48.3	31.6
AL	109.2	112.1	114.9	114.8	114.0	110.2	118.6
AR	98.1	99.3	102.6	102.8	103.0	103.0	104.0
AZ	113.1	120.4	118.9	124.5	121.2	127.3	119.9
CA	91.7	94.2	95.1	96.0	95.5	95.8	96.4
CO	85.1	90.4	90.5	90.3	92.9	94.0	93.7
CT	120.5	123.0	123.7	124.6	121.2	122.1	122.7
DC	143.2	142.8	154.3	141.6	153.1	151.5	149.4
DE	102.8	113.1	113.8	113.2	111.6	112.8	108.3
FL	110.9	116.3	117.2	118.8	118.8	119.8	121.1
GA	109.2	108.7	109.2	108.9	109.7	111.8	110.2
HI	78.8	90.1	84.9	89.5	75.0	83.0	89.7
IA	73.6	76.8	76.7	79.1	77.0	75.0	74.0
ID	71.7	73.6	76.3	77.0	81.5	77.8	77.7
IL	116.1	125.7	128.3	128.3	127.7	127.4	129.3
IN	96.5	100.7	100.0	107.1	107.9	108.9	111.5
KS	64.8	69.8	70.9	72.6	71.7	73.1	73.1
KY	80.1	84.1	84.8	87.9	87.8	89.3	89.1
LA	111.9	117.4	121.5	122.3	124.5	125.4	127.3
MA	103.8	107.4	109.1	109.8	110.4	110.2	111.0
MD	116.5	116.9	121.9	120.1	119.8	122.8	125.5
ME	66.3	64.3	62.9	63.8	63.8	66.1	65.4
MI	109.9	113.2	114.9	113.4	112.6	113.7	111.9
MN	95.6	95.1	94.9	91.5	91.9	90.1	89.9
MO	91.7	98.9	100.4	100.9	104.3	104.5	104.6
MS	89.2	86.5	85.7	88.7	90.4	89.2	90.5
MT	72.8	75.2	75.5	74.8	78.0	75.7	73.0
NC	98.6	102.2	103.3	102.7	102.0	103.0	103.3
ND	78.7	76.6	78.6	78.9	78.8	80.6	78.4
NE	71.4	74.3	69.0	70.6	71.4	71.3	72.6
NH	94.9	93.0	101.6	98.0	92.6	96.3	93.0
NJ	142.3	145.0	144.6	140.3	140.4	140.8	142.7
NM	82.2	88.4	92.7	91.2	91.3	92.6	95.4
NV	103.2	111.6	116.5	116.8	114.0	114.8	119.5
NY	175.1	175.7	183.4	178.9	179.8	186.2	185.7
OH	94.1	102.7	106.9	106.4	108.7	95.5	96.3
OK	82.0	84.5	87.8	88.9	88.2	90.2	90.6
OR	85.0	86.9	89.8	90.5	91.5	92.5	90.1
PA	123.3	124.7	125.1	123.8	124.0	123.0	123.3
RI	100.4	103.1	100.3	111.6	100.5	100.6	102.7
SC	95.2	100.2	102.2	102.6	101.1	106.3	104.5
SD	67.5	66.4	67.3	64.5	63.9	60.4	61.2
TN	109.1	110.6	110.3	113.6	112.6	114.4	115.7
TX	91.4	103.4	105.5	106.0	106.9	108.1	108.8
UT	80.2	82.4	82.7	82.7	82.9	80.0	82.0
VA	105.6	109.2	112.5	113.1	111.7	113.9	114.5
VT	82.6	87.6	82.2	84.9	82.7	86.6	84.6
WA	89.2	92.5	91.5	92.3	91.8	91.6	91.1
WI	111.6	110.0	106.1	104.3	100.3	95.2	95.6
WV	80.4	81.7	84.5	82.3	78.4	80.0	82.0
WY	80.3	79.8	75.7	76.6	80.3	77.0	81.6
US	101.5	105.6	107.3	107.4	107.4	107.1	107.8

Number of Nursing Facility Residents

Table 4 reports the total number of nursing facility residents in certified nursing facilities surveyed in each state during a calendar year. There were 1,375,661 residents in certified nursing facilities that were surveyed in 2006. These data exclude residents in uncertified beds. The data generally show a slight increase in the number of residents in certified beds between 2000 and 2006.

Average Occupancy Rates

Table 4 shows that the average certified nursing facility occupancy rate for the U.S. was 85 percent in 2000. Facility occupancy rates are calculated by dividing the number of nursing residents in a certified facility by the total number of certified beds (excluding all uncertified residents and beds). The occupancy rates declined to 85.2 percent in 2006.



**TABLE 4
TOTAL NUMBER OF RESIDENTS AND FACILITY OCCUPANCY RATES
FOR CERTIFIED NURSING FACILITIES**

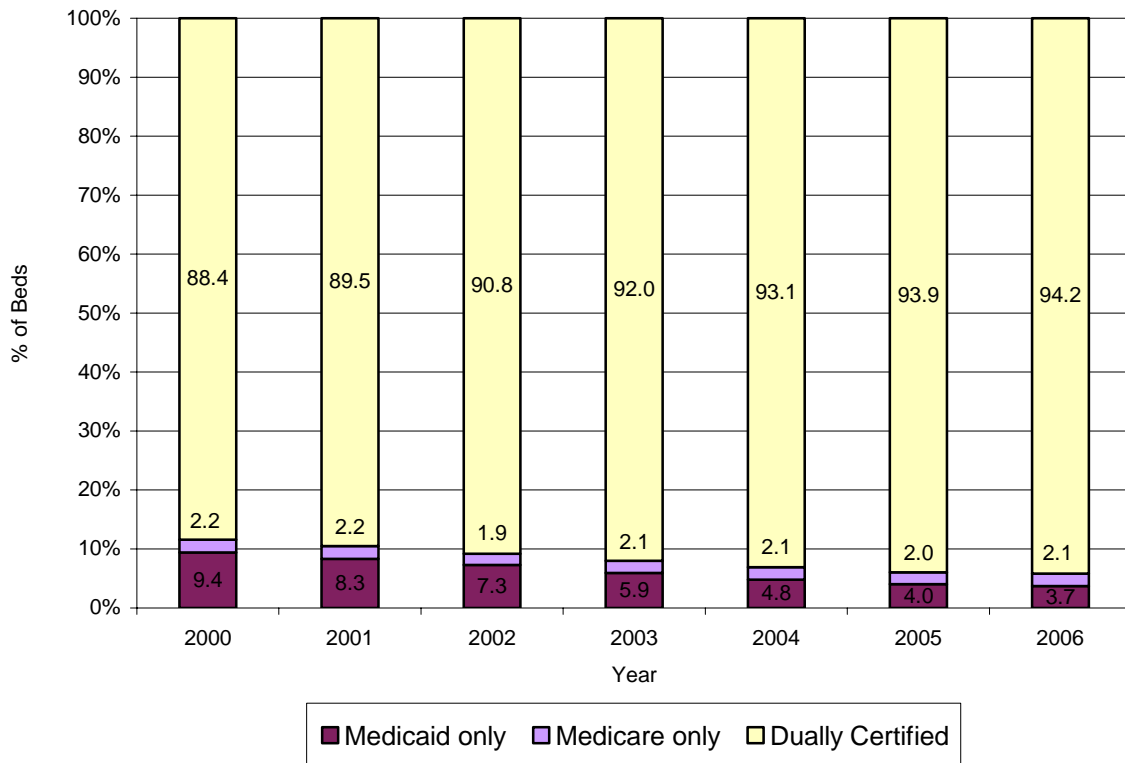
State	Number of Residents							Facility Occupancy						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	559	607	576	584	594	627	341	83.6	87.0	92.8	80.1	83.9	86.5	83.0
AL	18,966	19,969	22,511	21,937	20,476	15,678	17,677	92.9	92.0	90.4	88.9	88.9	87.3	88.2
AR	18,815	16,875	17,693	16,822	17,668	17,305	17,780	76.7	75.3	73.4	73.0	73.0	71.5	72.7
AZ	12,186	12,486	12,524	11,201	10,951	8,618	12,077	78.7	83.4	83.2	81.1	78.5	77.8	78.1
CA	85,221	89,526	93,573	103,677	102,851	100,268	97,180	85.7	84.9	84.9	85.5	84.3	85.2	85.6
CO	14,766	16,247	15,635	15,139	15,590	15,852	15,685	87.1	85.1	81.7	82.0	81.4	83.1	83.1
CT	27,389	27,841	27,299	26,069	23,342	25,571	26,566	94.3	94.1	93.2	93.3	91.3	92.2	92.0
DC	2,308	2,546	2,812	2,212	2,770	2,804	2,756	94.8	100.2	91.1	91.9	90.5	92.5	92.2
DE	3,563	3,602	3,196	3,484	3,541	3,799	3,677	88.9	92.1	92.3	88.7	81.3	82.2	86.0
FL	64,584	64,431	65,295	68,580	67,770	66,209	71,434	86.0	85.5	87.4	88.6	87.9	88.3	88.7
GA	33,075	32,025	32,093	33,831	31,892	33,907	34,601	92.3	91.6	91.1	90.5	88.9	89.7	89.6
HI	2,747	2,874	2,483	2,657	2,378	2,958	3,845	89.3	92.8	96.4	94.6	90.6	91.4	95.4
IA	24,199	27,098	27,036	25,220	26,296	26,057	25,609	83.9	84.2	84.3	83.0	78.7	79.8	81.4
ID	3,931	4,091	4,099	4,388	4,178	4,183	4,297	73.1	78.7	75.7	76.0	75.4	75.8	74.8
IL	78,474	75,009	77,271	72,172	75,015	72,298	73,767	82.5	82.4	81.5	80.6	75.6	75.8	79.0
IN	39,024	39,757	36,802	38,800	38,152	36,499	38,437	76.6	76.6	80.7	83.0	72.5	71.6	81.0
KS	21,391	20,047	20,301	19,164	19,932	19,684	19,454	87.4	86.7	86.7	84.4	77.5	77.1	85.3
KY	20,011	20,648	19,841	21,535	21,708	23,253	23,068	92.2	92.7	91.3	88.9	86.7	88.3	90.3
LA	28,903	29,114	29,146	26,930	28,005	25,569	25,698	80.2	79.0	77.8	76.7	74.0	75.0	74.6
MA	44,016	42,828	45,192	42,761	42,632	42,127	44,532	90.8	90.7	91.1	90.7	88.4	88.5	90.0
MD	23,240	20,109	24,214	22,819	21,769	24,164	24,712	86.7	87.5	86.8	86.4	85.3	86.3	87.5
ME	6,579	6,498	6,530	6,241	6,377	6,380	6,545	88.6	91.5	92.7	93.2	91.7	91.1	91.4
MI	40,417	40,448	39,457	41,230	40,365	39,880	39,859	86.7	87.6	87.3	87.9	85.3	86.2	88.4
MN	34,873	32,965	32,010	31,630	32,130	29,526	30,867	93.8	94.0	92.6	92.4	91.5	92.0	92.4
MO	37,079	34,152	35,166	35,280	35,165	35,684	36,942	76.2	75.7	74.4	74.4	68.8	69.6	74.7
MS	14,937	14,312	14,520	13,219	14,297	15,490	16,049	92.0	89.4	88.7	88.2	88.8	87.7	87.8
MT	5,103	4,903	4,392	5,239	5,019	4,883	4,599	77.8	77.2	79.0	76.5	73.9	73.3	74.2
NC	35,013	35,851	34,461	36,017	36,013	36,330	37,812	89.7	90.9	89.8	89.4	87.6	87.5	88.2
ND	6,090	6,106	6,005	6,051	6,007	5,768	5,830	91.0	93.7	94.3	93.6	92.9	91.8	91.8
NE	11,933	11,535	11,768	12,596	12,458	12,480	13,045	88.5	86.5	89.0	85.9	81.9	81.4	83.3
NH	6,155	5,740	5,648	6,671	6,354	6,597	6,338	92.7	91.7	90.7	92.4	90.3	90.1	89.8
NJ	39,776	41,476	42,530	40,920	42,617	42,075	44,110	89.0	88.9	87.6	88.2	88.0	87.6	88.9
NM	5,290	5,059	5,221	5,969	5,144	5,494	5,764	93.3	88.9	84.0	85.6	86.7	87.3	87.1
NV	3,426	4,234	4,200	4,296	3,928	4,261	4,673	73.8	82.5	82.2	84.1	84.0	80.7	84.1
NY	92,960	91,325	109,788	107,095	103,679	109,543	110,139	94.5	94.1	92.9	92.9	93.3	92.6	92.6
OH	70,431	72,823	71,420	72,258	73,484	71,174	77,848	87.2	86.2	86.4	85.8	75.4	86.2	87.8
OK	16,726	12,294	21,828	21,209	16,916	20,580	19,356	70.4	70.5	69.4	66.8	64.8	66.1	66.0
OR	9,608	8,057	8,256	8,034	7,951	7,424	7,767	76.9	74.5	68.8	66.9	64.9	64.7	64.9
PA	77,488	76,267	76,290	77,207	77,209	77,679	79,878	88.7	87.7	89.4	90.3	90.5	90.0	91.5
RI	7,712	8,143	7,474	3,570	7,305	7,804	8,302	90.3	92.1	90.4	90.7	93.2	92.3	93.1
SC	14,878	13,324	14,970	15,375	13,935	15,487	15,790	92.4	92.8	92.2	92.3	88.9	89.9	93.0
SD	6,600	6,502	6,279	6,467	5,923	6,360	6,542	90.5	92.4	92.5	92.8	92.7	98.4	99.9
TN	31,363	32,584	30,608	30,560	32,700	30,881	31,830	91.3	90.1	89.7	88.7	88.3	87.6	88.1
TX	70,849	80,615	82,209	84,065	85,685	84,104	86,442	75.5	78.2	77.1	77.7	73.0	72.4	74.4
UT	5,241	4,869	5,152	4,794	4,625	4,615	5,149	74.3	72.0	71.5	72.1	68.8	71.2	70.2
VA	25,526	24,016	23,595	26,966	25,487	25,065	27,298	92.3	90.8	90.4	90.6	88.1	88.7	91.0
VT	3,122	3,093	2,782	3,226	2,949	2,855	3,061	89.9	88.7	91.5	92.9	93.9	91.6	90.5
WA	19,455	19,145	18,199	18,737	18,851	19,104	18,672	84.2	85.8	83.5	85.2	85.5	85.8	86.7
WI	36,310	36,659	34,825	34,601	34,468	31,891	31,612	83.6	84.6	85.0	87.0	88.6	88.4	88.4
WV	9,514	8,498	9,328	9,497	8,134	8,679	8,014	91.8	91.6	91.7	90.2	88.0	90.4	89.6
WY	2,556	2,242	2,183	2,157	2,349	2,205	2,335	83.7	82.7	82.3	80.5	81.2	79.5	81.8
US	1,314,378	1,311,465	1,346,686	1,351,159	1,345,034	1,337,728	1,375,661	86.0	85.9	85.6	85.5	85.5	85.4	85.2

Facility Beds by Certification Category

Licensed nursing facilities may apply to be certified for participation in the Medicare and/or Medicaid program on a voluntary basis. Facilities may apply to participate in: (1) the Medicaid only (Title 19) program, (2) the Medicare only (Title 18) program, or (3) in the Medicare/Medicaid dually certified (Title 18 and 19) program. Since 1991, the Medicare program classified facilities as skilled nursing facilities (SNFs) while the Medicaid-certified facilities are designed as "nursing facilities" (NFs). Certification requirements are detailed in the federal regulations 42 CFR 483. Federal Medicare certification allows for all or part of a facility to be certified.

Table 5 shows the percent of certified nursing facility beds for each program. The number of beds certified for Medicare-only declined from 2.2 percent of the total beds in 2000 to 2.1 percent in 2006. Medicaid-only certified beds declined from 8.4 percent in 2000 to 3.7 percent in 2007. Dually certified beds increased to make up the difference.

Certified Nursing Facility Beds by Program



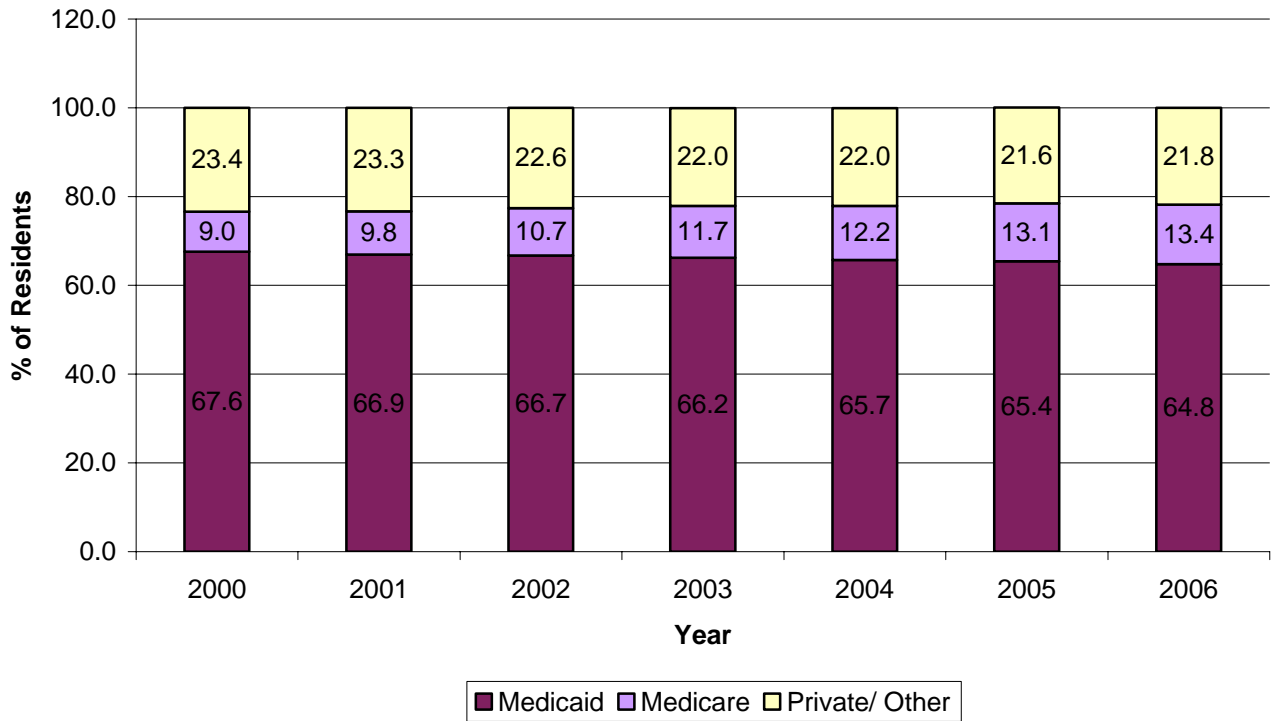
**TABLE 5
PERCENT OF NURSING FACILITY BEDS BY CERTIFICATION CATEGORY IN THE U.S.**

State	Medicaid Only							Medicare Only							Dually Certified						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AL	1.9	1.8	2.2	1.4	1.1	0.5	0.7	1.0	0.9	1.0	1.6	1.7	2.8	1.9	97.1	97.2	96.8	97.0	97.2	96.7	97.4
AR	22.3	21.9	21.7	18.7	14.3	12.6	9.2	2.4	2.4	2.0	1.8	1.2	1.5	1.5	75.3	75.7	76.2	79.5	84.5	85.9	89.3
AZ	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.4	3.4	4.2	3.9	5.9	7.4	7.9	97.5	96.4	95.7	96.0	93.9	92.4	92.0
CA	6.9	6.9	6.9	6.3	6.2	5.9	5.9	3.6	3.7	3.2	3.7	3.3	2.8	3.1	89.5	89.4	89.8	90.0	90.5	91.3	91.0
CO	7.2	8.3	8.3	7.7	7.4	7.2	6.1	5.7	5.7	4.2	3.8	4.3	3.8	4.9	87.1	86.0	87.5	88.5	88.3	89.0	89.0
CT	2.5	1.9	1.3	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.4	1.6	1.2	1.5	96.4	97.0	97.5	98.6	98.4	98.8	98.5
DC	0.8	0.8	0.6	0.8	0.7	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.2	99.2	99.4	99.2	99.3	99.0	99.0
DE	5.3	3.8	5.9	4.9	4.0	4.1	5.4	8.0	7.7	3.8	7.8	5.9	3.6	5.8	86.8	88.5	90.3	87.3	90.1	92.3	88.8
FL	0.4	0.6	0.5	0.2	0.1	0.0	0.2	2.6	3.0	2.6	2.2	2.4	2.1	2.0	96.9	96.4	96.9	97.6	97.5	97.9	97.8
GA	7.9	7.6	7.0	6.4	6.5	1.6	1.2	0.9	1.3	0.7	0.8	1.4	1.4	1.5	91.2	91.2	92.4	92.8	92.0	97.1	97.2
HI	5.9	10.1	2.3	10.8	6.3	5.7	4.4	0.4	0.4	0.4	0.4	0.4	1.6	0.8	93.7	89.5	97.3	88.8	93.3	92.8	94.8
IA	34.2	32.5	24.4	17.8	10.5	10.5	9.6	0.7	0.5	0.7	0.6	0.6	0.6	0.8	65.1	67.0	74.9	81.6	88.9	89.0	89.7
ID	4.1	2.5	3.3	4.3	5.1	3.6	4.6	2.8	2.8	1.5	1.6	0.6	2.2	2.1	93.2	94.6	95.2	94.1	94.3	94.2	93.3
IL	20.6	17.7	15.7	13.4	12.4	10.6	10.0	2.7	2.2	1.9	2.3	2.4	2.1	2.2	76.7	80.0	82.4	84.2	85.2	87.3	87.8
IN	8.4	8.6	5.7	4.7	4.0	3.0	3.0	2.4	2.3	2.4	2.7	2.5	2.4	2.4	89.2	89.1	91.9	92.6	93.6	94.6	94.6
KS	25.8	24.6	24.5	20.8	20.4	17.7	17.6	1.1	1.3	0.8	0.6	1.0	1.5	1.5	73.1	74.1	74.6	78.5	78.6	80.7	80.9
KY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	2.3	1.7	2.2	2.5	2.0	2.6	96.9	97.7	98.3	97.8	97.5	98.0	97.4
LA	33.4	24.6	13.2	8.9	1.4	0.0	0.0	3.1	2.6	1.9	1.8	2.1	1.2	1.5	63.4	72.8	84.9	89.3	96.5	98.8	98.5
MA	1.6	1.6	1.6	0.9	1.0	1.0	0.9	1.1	1.0	0.9	1.1	1.0	1.4	1.4	97.3	97.4	97.5	98.0	98.0	97.6	97.7
MD	2.1	2.8	2.0	2.3	2.0	1.6	1.4	1.5	3.0	2.0	3.2	2.3	1.7	1.8	96.5	94.2	96.1	94.5	95.6	96.7	96.8
ME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.1	0.1	0.3	0.2	0.6	98.3	100.0	99.9	99.9	99.7	99.8	99.4
MI	7.8	6.1	6.1	4.8	4.6	3.5	3.2	1.7	2.4	2.3	1.9	2.4	2.8	1.9	90.5	91.4	91.6	93.3	93.0	93.7	95.0
MN	3.4	3.3	3.4	3.8	3.8	3.5	3.2	1.3	1.8	1.7	1.2	1.1	1.3	1.2	95.3	94.9	94.9	95.0	95.1	95.2	95.6
MO	14.1	12.2	10.7	6.3	5.0	4.5	4.4	2.1	1.4	1.3	1.3	0.9	0.7	1.0	83.8	86.4	88.0	92.4	94.1	94.8	94.6
MS	30.0	28.4	23.7	18.3	17.4	16.9	16.3	2.5	2.2	1.9	1.7	1.4	1.3	1.2	67.6	69.4	74.4	80.0	81.3	81.8	82.5
MT	4.3	3.0	0.0	2.8	2.8	2.9	3.1	1.1	0.5	1.3	0.7	0.9	0.9	1.2	94.6	96.5	98.7	96.6	96.3	96.2	95.7
NC	0.7	0.7	0.6	0.6	0.6	0.6	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.6	98.8	98.8	98.8	98.8	98.8	98.9	99.0
ND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.2	0.6	0.9	1.1	0.8	1.2	98.7	98.8	99.4	99.1	98.9	99.2	98.8
NE	23.0	18.3	16.6	17.9	14.3	11.5	11.1	0.5	0.1	0.2	0.1	0.1	0.1	0.1	76.4	81.5	83.2	82.0	85.6	88.4	88.8
NH	16.6	16.3	11.5	8.3	9.3	8.3	9.3	0.7	1.5	1.0	1.3	1.5	1.7	1.7	82.7	82.1	87.4	90.4	89.2	90.0	89.1
NJ	0.1	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.3	4.5	4.4	4.4	4.4	4.7	95.7	95.7	95.5	95.6	95.6	95.6	95.3
NM	8.8	8.2	9.9	5.6	6.5	3.4	3.2	1.0	1.4	0.5	0.5	0.7	0.6	0.5	90.2	90.4	89.5	93.9	92.8	96.1	96.3
NV	5.6	5.1	5.1	5.1	5.6	5.0	4.7	3.2	2.1	1.1	0.8	1.3	0.0	0.0	91.2	92.8	93.8	94.1	93.1	95.0	95.3
NY	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.1	99.8	99.9	99.7	99.7	99.7	99.7	99.7
OH	6.9	5.8	5.7	3.6	2.3	1.4	0.9	1.5	1.9	1.4	1.5	1.3	1.4	1.2	91.6	92.3	92.9	94.9	96.4	97.2	97.9
OK	35.3	32.5	30.1	23.2	20.8	14.7	12.9	1.8	1.7	1.7	1.5	2.0	1.9	2.6	62.9	65.8	68.3	75.3	77.3	83.5	84.5
OR	12.3	10.9	10.5	8.9	9.1	8.3	9.2	1.9	2.4	2.9	2.2	1.4	2.3	2.4	85.7	86.7	86.5	88.9	89.5	89.4	88.4
PA	1.1	0.8	1.1	0.8	0.8	0.7	0.6	4.5	4.4	4.4	4.4	4.4	4.6	4.5	94.4	94.8	94.6	94.8	94.8	94.8	94.9
RI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.7	0.0	0.7	0.7	0.6	100.0	99.5	99.3	100.0	99.3	99.3	99.4
SC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.7	4.5	4.4	5.8	4.4	4.4	96.1	96.3	95.5	95.6	94.2	95.6	95.6
SD	16.4	13.1	15.2	15.1	12.2	12.8	11.8	0.6	0.6	0.6	0.6	0.0	0.7	0.6	83.0	86.3	84.1	84.3	87.8	86.5	87.6
TN	18.6	17.1	10.9	6.4	5.6	5.5	5.2	3.3	2.5	2.4	2.8	3.1	2.5	2.9	78.1	80.4	86.7	90.8	91.2	92.0	91.9
TX	15.5	13.5	10.8	7.6	6.3	4.9	4.0	3.0	2.9	2.4	2.7	2.6	2.5	2.6	81.5	83.6	86.7	89.7	91.1	92.6	93.4
UT	6.5	5.8	5.9	4.9	4.8	3.3	4.3	3.0	4.8	3.6	4.1	4.0	7.3	6.7	90.6	89.4	90.4	91.0	91.1	89.4	89.0
VA	12.6	8.5	8.1	8.0	6.4	5.1	4.4	0.8	1.4	1.1	1.9	1.9	1.0	1.7	86.6	90.1	90.7	90.1	91.6	93.9	93.9
VT	1.4	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.0	0.9	1.0	1.0	0.9	97.7	98.2	99.0	99.1	99.0	99.0	99.1
WA	2.6	3.7	3.5	2.6	3.1	3.0	2.7	0.2	0.3	0.7	1.1	1.5	1.9	1.7	97.2	96.1	95.8	96.3	95.5	95.1	95.6
WI	8.9	7.8	7.6	6.8	5.7	5.1	4.9	1.4	1.0	1.1	1.0	1.4	1.8	1.4	89.7	91.2	91.3	92.2	92.9	93.1	93.7
WV	19.2	15.3	15.0	11.1	9.3	8.3	6.5	3.2	3.0	1.9	3.0	2.6	2.4	2.5	77.6	81.7	83.1	85.9	88.1	89.2	91.0
WY	7.5	8.3	8.5	8.4	7.0	4.6	7.6	1.6	1.0	1.0	0.6	0.9	1.0	0.8	90.9	90.7	90.5	91.0	92.1	94.4	91.6
US	9.4	8.3	7.3	5.9	4.8	4.0	3.7	2.2	2.2	1.9	2.1	2.1	2.0	2.1	88.4	89.5	90.8	92.0	93.1	93.9	94.2

Residents by Payer Source

The percent of certified nursing facility residents by primary payer source is shown in Table 6. The percentage of total residents primarily paid for by Medicaid declined from 67.8 to 64.8 percent of the total residents in the 2000-2006 period. Medicare paid for 13.4 percent of the total residents in 2006, increasing from 9.0 percent in 2000. Private payers and other sources have decreased slightly (23.4 percent in 2000 and 21.8 percent in 2006). Even though most nursing facility beds are dually certified for either Medicare or Medicaid residents, the care for most residents is paid for by Medicaid.

Percent Nursing Facility Residents by Payer



**TABLE 6
PERCENT OF CERTIFIED NURSING FACILITY RESIDENTS BY PRIMARY PAYER SOURCE**

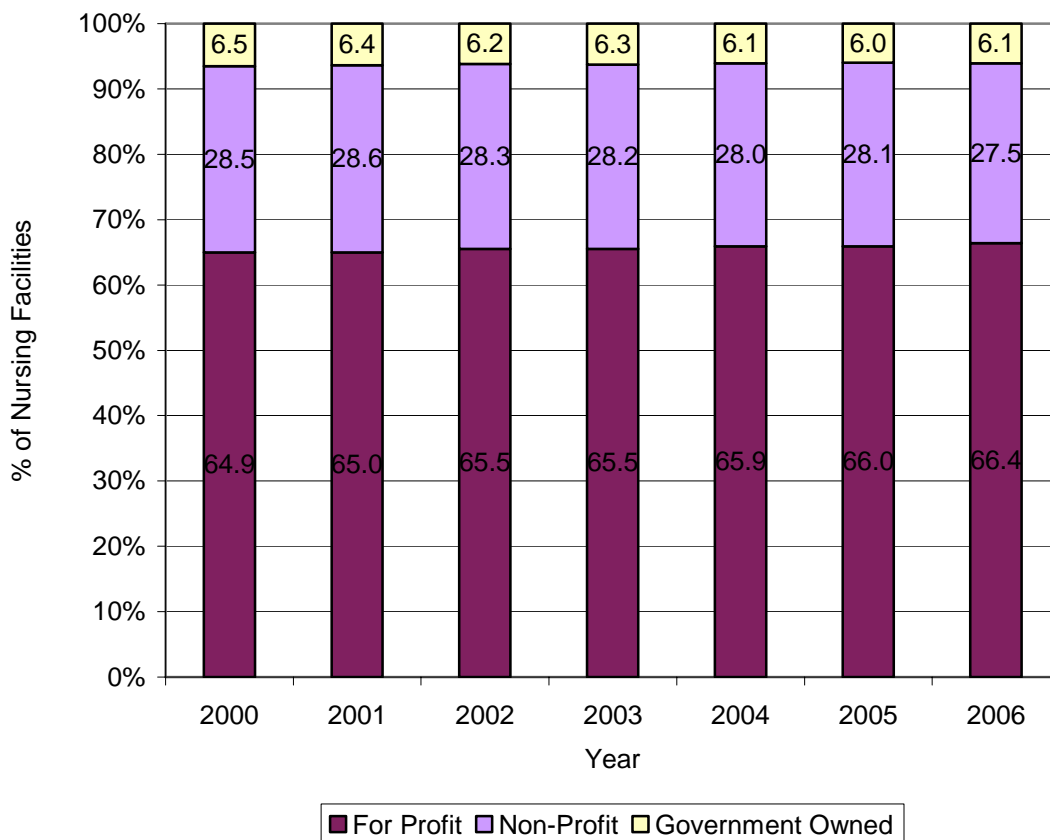
State	Medicaid							Medicare							Private/Other						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	84.3	86.3	85.4	81.5	80.3	82.9	78.9	7.7	6.8	6.3	9.2	10.1	8.1	7.0	8.1	6.9	8.3	9.2	9.6	8.9	14.1
AL	73.5	72.8	72.4	72.3	72.2	70.7	69.4	10.4	10.2	11.8	12.0	13.1	13.0	13.8	16.1	17.0	15.8	15.6	14.7	16.3	16.8
AR	74.6	73.7	73.7	72.7	72.0	70.8	70.0	6.4	6.5	7.5	8.5	8.9	10.3	10.8	18.9	19.7	18.8	18.7	19.0	18.9	19.2
AZ	64.7	64.4	65.6	65.4	64.7	63.5	63.6	8.4	9.0	10.3	10.8	10.9	12.0	12.1	26.9	26.6	24.0	23.8	24.4	24.5	24.3
CA	65.6	65.8	66.2	66.4	66.2	66.4	65.6	8.5	8.9	10.0	10.6	11.2	11.8	12.7	25.9	25.3	23.8	23.0	22.5	21.9	21.7
CO	60.7	59.4	59.8	59.1	58.3	59.1	58.6	6.2	7.8	9.0	9.5	9.9	10.4	11.4	33.1	32.8	31.2	31.4	31.8	30.5	30.1
CT	68.0	67.5	66.5	66.7	66.5	64.7	66.1	11.2	12.5	13.4	14.0	14.5	17.2	16.3	20.8	20.1	20.0	19.3	19.0	18.1	17.5
DC	81.3	82.4	81.8	80.9	80.7	74.3	77.5	7.7	8.0	7.7	9.4	9.2	8.5	10.2	11.0	9.5	10.5	9.7	10.1	17.3	12.3
DE	59.1	55.9	59.8	57.7	60.4	59.5	58.0	9.2	10.8	15.1	18.1	17.9	15.9	18.0	31.7	33.3	25.1	24.1	21.7	24.6	24.0
FL	62.7	61.9	60.9	61.3	60.7	59.7	58.6	13.4	14.7	16.5	17.4	18.2	19.0	19.5	24.0	23.4	22.5	21.3	21.1	21.2	21.9
GA	78.1	77.4	77.2	77.3	76.6	76.1	74.9	7.7	8.4	8.4	9.5	9.8	10.2	11.2	14.1	14.2	14.4	13.2	13.6	13.7	13.9
HI	74.6	73.5	70.4	73.8	70.6	74.7	72.1	8.0	8.1	12.4	10.4	8.5	8.5	8.8	17.4	18.4	17.2	15.9	20.9	16.8	19.1
IA	50.6	49.2	49.9	50.1	49.0	49.6	49.3	4.0	4.4	5.3	5.1	5.7	6.1	6.4	45.4	46.4	44.8	44.8	45.3	44.2	44.3
ID	60.7	60.2	61.7	61.3	59.8	58.8	60.7	13.3	13.8	14.2	15.0	15.1	17.4	16.2	26.0	26.0	24.2	23.7	25.1	23.8	23.1
IL	64.0	63.0	63.3	62.3	62.2	62.8	62.7	7.6	8.3	9.3	11.2	12.1	12.8	13.4	28.5	28.7	27.4	26.5	25.7	24.5	24.0
IN	65.6	65.8	66.0	64.0	63.4	62.2	62.6	9.9	11.0	11.8	13.5	13.6	14.7	15.5	24.6	23.2	22.2	22.6	23.0	23.2	22.0
KS	53.8	53.7	53.9	53.8	54.0	54.0	52.6	5.5	6.1	5.6	6.7	6.9	7.6	9.3	40.7	40.2	40.5	39.6	39.1	38.4	38.1
KY	74.5	74.2	72.4	70.5	68.4	66.6	66.6	9.9	10.3	11.9	13.2	13.5	14.6	14.5	15.7	15.5	15.7	16.3	18.1	18.8	18.9
LA	78.9	78.1	76.8	76.9	76.8	77.7	75.0	4.9	6.4	7.5	8.4	8.4	9.5	10.6	16.2	15.5	15.7	14.6	14.8	12.8	14.4
MA	70.1	70.1	69.2	68.1	67.9	66.0	65.9	9.5	9.8	11.0	12.0	12.6	13.7	13.3	20.4	20.0	19.8	19.9	19.5	20.3	20.8
MD	62.7	62.4	62.0	60.5	61.8	61.0	61.1	11.1	11.5	12.4	13.5	14.6	15.3	15.6	26.3	26.1	25.6	25.9	23.6	23.7	23.2
ME	70.2	69.5	69.1	68.7	69.1	66.6	67.0	11.9	11.2	12.8	13.3	13.5	16.1	15.5	17.9	19.3	18.1	18.0	17.4	17.3	17.6
MI	67.6	67.6	66.7	66.7	66.7	65.7	65.7	11.6	12.4	13.7	14.7	15.0	16.6	16.7	20.8	20.1	19.6	18.6	18.4	17.7	17.6
MN	60.6	59.0	59.0	59.1	59.2	57.8	58.7	7.5	9.3	9.2	10.0	10.2	10.7	9.7	31.9	31.8	31.8	30.9	30.6	31.5	31.7
MO	66.3	65.2	65.6	63.8	63.5	63.6	62.4	6.8	8.0	8.4	9.7	10.4	11.4	11.7	26.8	26.8	26.0	26.6	26.1	25.0	25.8
MS	81.6	81.6	80.3	79.8	78.6	76.3	76.0	7.6	8.1	8.9	9.7	10.1	11.6	12.8	10.8	10.3	10.8	10.5	11.3	12.1	11.2
MT	58.9	57.7	55.5	57.9	58.7	57.5	57.3	8.8	8.8	11.8	9.6	9.6	9.9	11.1	32.3	33.6	32.7	32.5	31.7	32.6	31.6
NC	73.2	71.6	71.1	69.9	70.5	69.9	68.8	11.5	12.3	14.1	14.5	14.7	15.4	15.6	15.2	16.0	14.8	15.5	14.8	14.6	15.6
ND	55.0	56.2	55.5	54.5	54.9	56.0	54.9	4.8	5.5	6.0	6.9	7.2	7.4	7.4	40.2	38.3	38.5	38.7	38.0	36.7	37.6
NE	53.6	51.8	52.1	53.9	53.4	53.5	52.7	5.2	6.8	7.3	7.7	8.7	9.3	10.5	41.2	41.4	40.6	38.4	37.9	37.2	36.8
NH	72.0	69.1	70.0	68.7	69.1	66.3	65.9	6.9	8.7	9.6	10.3	11.2	13.0	13.0	21.2	22.1	20.3	21.1	19.7	20.8	21.1
NJ	67.5	65.4	64.1	65.0	64.7	64.8	63.6	11.2	11.6	14.4	14.8	15.1	16.3	16.6	21.3	22.9	21.5	20.2	20.2	18.9	19.8
NM	70.5	72.3	72.4	70.0	67.5	66.5	66.9	8.1	7.4	6.3	8.1	10.5	10.6	11.5	21.4	20.3	21.3	21.9	22.1	22.9	21.6
NV	64.5	66.2	65.4	62.0	59.7	62.0	59.6	8.9	9.5	10.6	11.0	11.7	10.9	13.4	26.6	24.3	24.0	27.0	28.6	27.0	27.0
NY	73.1	73.1	74.8	73.6	73.0	73.0	72.3	10.7	11.5	10.8	12.0	12.2	12.6	12.7	16.2	15.4	14.4	14.4	14.9	14.4	15.1
OH	66.4	65.6	64.6	64.9	64.2	64.6	63.9	8.7	9.5	10.6	11.8	12.3	13.1	13.4	24.9	25.0	24.8	23.4	23.5	22.3	22.6
OK	65.0	65.0	63.5	65.7	64.2	64.7	66.0	6.1	6.5	7.6	8.4	9.6	10.3	10.1	28.9	28.5	29.0	25.9	26.1	25.0	23.9
OR	62.4	64.0	61.3	61.1	61.7	60.5	60.8	6.8	7.5	10.1	12.1	13.3	14.5	13.5	30.8	28.5	28.6	26.8	24.9	24.9	25.6
PA	64.2	63.9	63.7	63.5	64.2	63.4	64.2	8.8	9.6	10.3	11.1	11.0	12.2	11.5	27.0	26.6	26.1	25.4	24.8	24.4	24.3
RI	72.4	70.8	71.2	70.2	67.0	67.4	66.8	8.1	8.0	8.8	9.0	9.9	9.4	9.4	19.5	21.2	20.0	20.8	23.1	23.3	23.8
SC	73.8	72.3	71.1	70.4	69.4	69.8	66.7	11.7	12.0	12.7	14.0	15.4	14.7	16.6	14.5	15.7	16.2	15.6	15.2	15.5	16.8
SD	57.6	56.6	59.7	58.2	58.2	55.4	55.6	6.9	7.4	5.8	6.9	6.6	6.0	7.5	35.5	36.1	34.5	34.8	35.3	38.6	36.9
TN	74.1	72.3	71.1	71.3	68.3	68.5	67.0	9.2	10.4	11.8	12.8	14.2	15.4	15.2	16.7	17.3	17.2	16.0	17.4	16.1	17.8
TX	75.0	72.4	70.5	69.1	67.8	67.9	66.1	7.7	9.1	9.8	11.3	11.8	12.9	13.4	17.3	18.5	19.6	19.6	20.4	19.2	20.5
UT	60.5	58.3	59.5	60.0	58.5	54.6	54.2	12.5	15.3	16.1	17.2	17.9	19.4	19.6	26.9	26.4	24.4	22.8	23.6	25.9	26.2
VA	66.8	66.7	64.7	63.9	64.2	63.4	62.0	10.5	11.5	13.7	14.6	14.7	15.6	16.3	22.7	21.8	21.6	21.6	21.2	21.1	21.7
VT	69.2	68.6	64.4	66.3	67.4	65.7	62.9	8.7	9.8	10.6	13.1	12.3	12.8	12.7	22.1	21.6	25.1	20.6	20.3	21.5	24.4
WA	63.7	64.2	63.1	64.0	61.7	61.1	62.2	10.4	10.9	12.2	12.0	13.6	14.9	15.0	25.9	24.9	24.8	24.0	24.8	23.9	22.8
WI	67.0	65.7	65.9	64.7	64.2	63.7	63.0	8.1	8.8	9.4	10.4	11.3	11.8	12.3	24.9	25.5	24.7	24.9	24.5	24.5	24.7
WV	71.0	70.7	72.6	72.5	73.0	73.1	72.4	12.1	13.1	11.9	13.5	13.8	13.3	14.1	17.0	16.2	15.5	14.0	13.2	13.6	13.5
WY	62.1	62.5	59.9	62.6	60.0	60.4	60.7	9.0	9.3	10.6	11.8	14.0	12.4	12.2	28.8	28.2	29.5	25.6	26.0	27.2	27.1
US	67.6	66.9	66.7	66.2	65.7	65.4	64.8	9.0	9.8	10.7	11.7	12.2	13.1	13.4	23.4	23.3	22.6	22.0	22.0	21.6	21.8

Distribution of Facilities by Ownership Type

Nursing facility ownership patterns were fairly stable in the 2000-2006 period, when the large majority of nursing facilities were proprietary. Table 7 shows that 66.4 percent of the surveyed facilities were for-profit facilities while non-profit facilities were 27.5 percent and government owned facilities were 6.1 percent in 2006.

Ownership patterns vary widely across states. Alaska and Wyoming have a high percentage of government owned facilities. Alaska, District of Columbia, Minnesota, North Dakota, Pennsylvania and South Dakota have a high percentage of non-profit facilities. Alabama, Arkansas, California, Connecticut, Oklahoma, Rhode Island, and Texas have the highest percentages of proprietary facilities.

Percent Distribution by Ownership Type



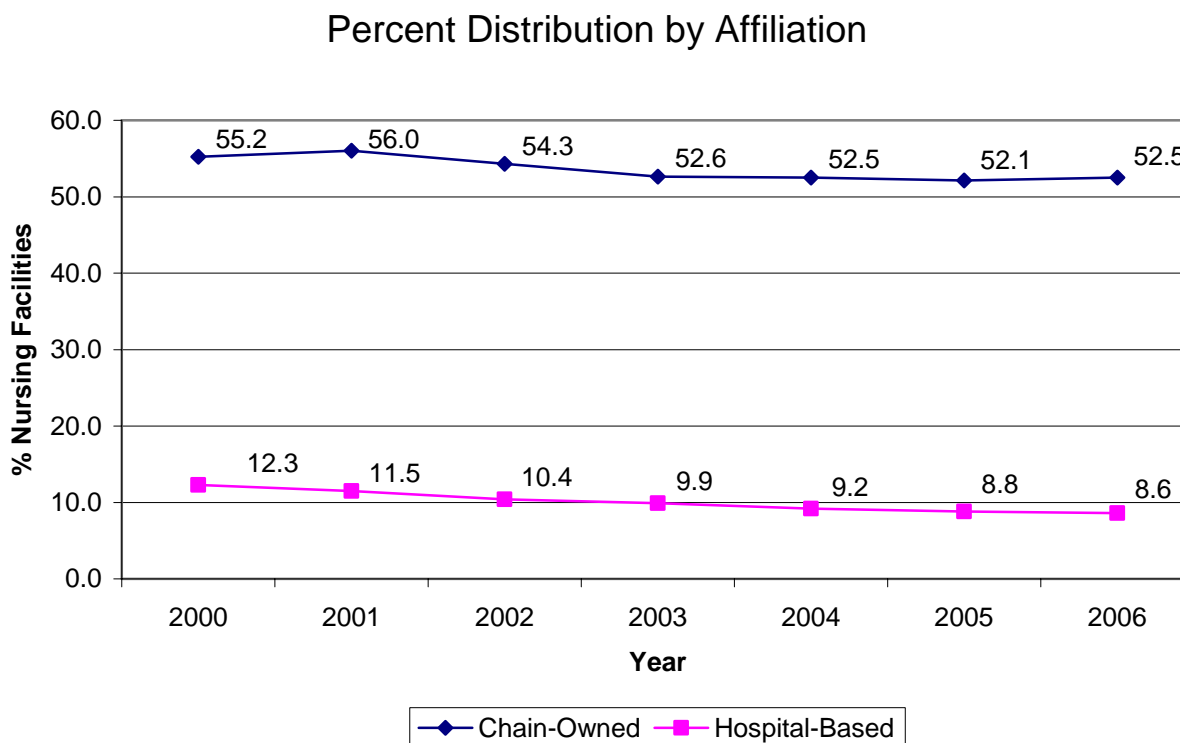
**TABLE 7
PERCENT DISTRIBUTION OF NURSING FACILITIES BY OWNERSHIP TYPE**

State	For Profit							Non-Profit							Government Owned						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	0.0	7.1	8.3	7.1	0.0	6.7	0.0	61.5	57.1	58.3	64.3	75.0	53.3	38.5	38.5	35.7	33.3	28.6	25.0	40.0	61.5
AL	74.9	77.4	76.6	76.4	77.2	81.0	81.1	15.0	12.8	14.2	14.4	13.4	12.9	11.2	10.2	9.7	9.2	9.3	9.4	6.1	7.7
AR	79.6	79.7	79.1	79.8	81.7	80.0	80.1	15.6	16.8	16.7	16.2	14.0	16.6	16.1	4.8	3.4	4.2	3.9	4.3	3.4	3.8
AZ	65.0	71.5	71.0	76.8	75.7	73.6	75.0	32.1	26.9	28.2	21.4	22.6	26.4	23.5	2.9	1.5	0.8	1.8	1.7	0.0	1.5
CA	75.8	76.8	77.4	77.5	79.2	78.7	79.7	20.1	19.3	18.5	18.4	17.4	17.3	16.5	4.1	3.9	4.1	4.0	3.4	3.9	3.8
CO	62.3	63.4	66.7	64.1	64.6	65.5	66.3	26.6	26.9	23.5	25.7	25.7	25.1	23.8	11.1	9.7	9.9	10.2	9.7	9.4	9.9
CT	76.8	75.4	82.4	79.3	76.8	76.7	77.2	22.8	23.8	17.2	20.3	22.7	22.5	21.9	0.4	0.8	0.4	0.4	0.5	0.9	0.8
DC	35.3	33.3	30.0	23.5	30.0	35.0	35.0	58.8	61.1	60.0	64.7	60.0	55.0	55.0	5.9	5.6	10.0	11.8	10.0	10.0	10.0
DE	43.6	44.7	51.5	45.9	56.4	53.7	52.4	46.2	47.4	36.4	45.9	35.9	36.6	38.1	10.3	7.9	12.1	8.1	7.7	9.8	9.5
FL	75.9	74.6	75.4	73.1	71.5	70.4	70.6	22.3	23.4	22.9	24.6	26.2	27.6	27.4	1.8	2.0	1.7	2.3	2.3	1.9	1.9
GA	76.5	75.2	72.8	68.8	65.4	64.8	65.0	16.5	17.7	20.1	23.6	26.9	28.4	26.5	7.0	7.1	7.1	7.6	7.6	6.8	8.5
HI	41.0	45.7	41.9	46.9	42.9	46.2	45.7	35.9	37.1	29.0	28.1	34.3	30.8	28.3	23.1	17.1	29.0	25.0	22.9	23.1	26.1
IA	52.3	52.0	52.5	51.8	52.8	52.2	51.7	42.9	43.4	42.8	43.5	42.4	43.4	43.2	4.8	4.5	4.8	4.6	4.8	4.4	5.1
ID	56.0	57.5	64.8	62.7	64.7	64.8	64.9	18.7	17.8	12.7	14.7	13.2	15.5	13.5	25.3	24.7	22.5	22.7	22.1	19.7	21.6
IL	65.2	66.4	68.2	68.0	69.0	68.5	68.8	30.0	28.9	27.0	27.4	26.6	27.8	27.0	4.8	4.7	4.8	4.7	4.4	3.7	4.2
IN	72.3	67.8	66.7	65.7	66.4	68.8	67.6	25.0	29.2	30.3	30.9	29.1	27.8	28.4	2.7	3.0	3.1	3.4	4.5	3.4	4.0
KS	50.5	50.6	50.6	50.9	51.3	51.9	49.9	36.5	34.7	36.1	36.3	35.9	36.1	37.2	13.0	14.7	13.3	12.9	12.8	12.0	13.0
KY	64.6	66.5	65.9	68.2	66.7	69.2	70.4	32.5	30.9	31.4	29.6	30.5	27.5	26.8	3.0	2.6	2.7	2.1	2.8	3.4	2.7
LA	76.1	74.2	74.4	74.0	74.0	75.7	74.5	17.1	19.3	21.7	21.6	21.7	20.2	21.2	6.8	6.5	3.8	4.5	4.3	4.0	4.4
MA	69.6	70.0	69.0	68.1	68.9	69.2	69.2	27.4	27.8	29.3	30.0	29.5	28.7	28.8	3.0	2.2	1.7	1.8	1.6	2.1	2.0
MD	56.1	57.2	61.1	61.4	62.4	63.2	63.1	40.0	39.3	36.7	35.5	34.3	33.8	33.8	3.9	3.5	2.2	3.2	3.3	3.1	3.1
ME	72.3	70.5	69.0	69.8	68.8	70.8	71.8	24.1	25.9	30.1	28.3	30.3	28.3	27.3	3.6	3.6	0.9	1.9	0.9	0.9	0.9
MI	63.0	62.5	63.2	62.7	64.8	64.4	65.2	27.8	27.4	26.6	27.2	25.0	25.8	25.1	9.2	10.1	10.2	10.1	10.2	9.8	9.7
MN	28.3	26.4	27.7	27.6	28.0	27.0	28.1	57.6	58.2	59.0	59.2	58.9	60.1	58.3	14.1	15.4	13.3	13.3	13.1	12.9	13.6
MO	63.7	63.8	64.4	64.7	66.3	66.4	66.2	26.7	28.9	27.5	26.8	26.9	27.1	27.1	9.6	7.3	8.1	8.5	6.7	6.5	6.7
MS	72.5	71.9	67.5	71.0	66.3	68.2	68.3	14.8	14.1	18.8	16.6	19.7	18.2	17.8	12.6	14.1	13.6	12.4	14.0	13.6	13.9
MT	36.7	30.6	39.2	33.7	39.1	36.4	37.6	46.7	47.1	47.3	50.0	46.0	46.6	45.9	16.7	22.4	13.5	16.3	14.9	17.0	16.5
NC	73.0	73.1	73.1	74.5	73.0	73.7	73.6	22.5	22.6	23.2	22.0	22.8	22.6	23.1	4.5	4.3	3.7	3.5	4.2	3.7	3.3
ND	12.9	10.6	8.6	8.5	7.3	6.4	6.2	83.5	84.7	87.7	87.8	89.0	91.0	90.1	3.5	4.7	3.7	3.7	3.7	2.6	3.7
NE	42.3	50.0	44.5	45.6	47.9	47.4	48.0	35.4	28.2	34.0	31.2	30.0	30.7	29.9	22.2	21.8	21.5	23.3	22.1	21.9	22.2
NH	51.4	52.2	48.4	54.1	50.0	48.7	50.0	32.9	33.3	35.5	31.1	34.2	34.2	34.2	15.7	14.5	16.1	14.9	15.8	17.1	15.8
NJ	62.1	61.8	62.7	62.5	64.1	63.9	64.9	33.1	32.1	31.1	31.7	31.0	30.5	29.4	4.8	6.1	6.2	5.7	4.9	5.6	5.7
NM	62.3	66.2	61.8	68.8	69.2	66.2	67.1	29.0	30.8	32.4	26.0	26.2	26.5	27.1	8.7	3.1	5.9	5.2	4.6	7.4	5.7
NV	68.9	73.9	77.3	77.3	75.6	73.9	76.6	17.8	15.2	11.4	9.1	9.8	13.0	10.6	13.3	10.9	11.4	13.6	14.6	13.0	12.8
NY	47.5	46.6	47.6	48.3	48.4	48.3	50.4	43.4	45.1	44.2	43.8	43.5	43.6	42.1	9.1	8.3	8.2	7.9	8.1	8.0	7.5
OH	72.7	72.0	75.0	74.5	75.6	75.9	74.9	23.9	25.2	22.2	23.0	21.7	21.6	22.4	3.4	2.9	2.8	2.4	2.7	2.4	2.7
OK	81.7	84.9	83.2	83.3	82.4	82.9	83.8	13.4	9.4	12.1	11.7	12.2	12.2	11.6	4.8	5.7	4.7	5.0	5.4	4.9	4.6
OR	73.5	69.8	74.1	76.7	77.6	76.6	80.5	22.4	25.6	20.0	18.8	18.7	19.4	15.0	4.1	4.7	5.9	4.5	3.7	4.0	4.5
PA	41.9	43.7	43.4	44.9	44.6	47.0	48.0	52.4	50.9	51.2	49.5	49.7	47.7	46.7	5.6	5.4	5.5	5.6	5.7	5.3	5.4
RI	78.8	75.9	80.7	86.1	76.9	79.8	78.2	21.2	24.1	19.3	13.9	21.8	20.2	20.7	0.0	0.0	0.0	0.0	1.3	0.0	1.1
SC	72.2	70.7	71.2	72.6	72.3	75.3	73.1	14.8	14.0	17.2	15.5	18.1	13.0	15.0	13.0	15.3	11.7	11.9	9.7	11.7	12.0
SD	36.1	34.0	30.7	30.6	33.0	31.8	34.6	58.3	60.4	63.4	63.9	62.0	63.6	60.7	5.6	5.7	5.9	5.6	5.0	4.7	4.7
TN	69.2	69.5	72.3	70.6	72.6	73.1	73.4	21.6	22.4	19.1	19.9	19.1	19.8	20.6	9.2	8.2	8.6	9.5	8.2	7.1	6.0
TX	81.8	81.4	79.7	79.6	81.5	81.4	82.4	15.0	15.4	17.4	17.3	15.7	15.5	14.8	3.2	3.2	2.9	3.1	2.8	3.2	2.8
UT	77.3	81.0	77.5	78.0	80.2	74.1	81.1	18.2	17.9	19.1	19.5	16.0	21.0	14.4	4.5	1.2	3.4	2.4	3.7	4.9	4.4
VA	63.4	62.9	62.8	68.0	67.2	64.1	64.9	33.6	33.5	33.1	28.3	29.7	32.7	31.3	3.1	3.6	4.2	3.7	3.1	3.2	3.7
VT	64.3	65.0	67.6	68.3	65.8	63.9	67.5	33.3	32.5	29.7	29.3	31.6	36.1	32.5	2.4	2.5	2.7	2.4	2.6	0.0	0.0
WA	68.0	67.7	67.5	70.1	69.6	70.0	71.3	23.9	22.7	23.3	21.6	22.5	22.2	20.7	8.1	9.6	9.2	8.3	7.9	7.8	8.0
WI	48.1	48.1	48.2	47.9	47.7	47.8	48.4	37.0	36.7	36.8	36.6	36.9	37.7	36.6	14.9	15.2	15.0	15.4	15.5	14.5	15.0
WV	65.1	65.8	65.0	66.9	66.1	65.8	64.2	25.6	24.6	26.0	23.8	23.7	25.0	25.7	9.3	9.6	8.9	9.2	10.2	9.2	10.1
WY	47.4	35.3	37.1	40.0	50.0	44.4	42.9	15.8	14.7	14.3	20.0	19.4	13.9	14.3	36.8	50.0	48.6	40.0	30.6	41.7	42.9
US	64.9	65.0	65.5	65.5	65.9	66.0	66.4	28.5	28.6	28.3	28.2	28.0	28.1	27.5	6.5	6.4	6.2	6.3	6.1	6.0	6.1

Facilities by Affiliation

Table 8 shows the percent of facilities that were owned or leased by multi-facility organizations (chains). The percentage that were owned or leased by chains was 55.2 percent in 2000 and declined down to 52.5 percent in 2006.

Table 8 shows that certified hospital-based facilities that were surveyed decreased from 12.3 percent in 2000 to 11.5 percent in 2001. Then, hospital-based facilities declined to 8.6 percent in 2006. These changes occurred after the introduction of the Medicare prospective payment system for nursing facilities in 1998.



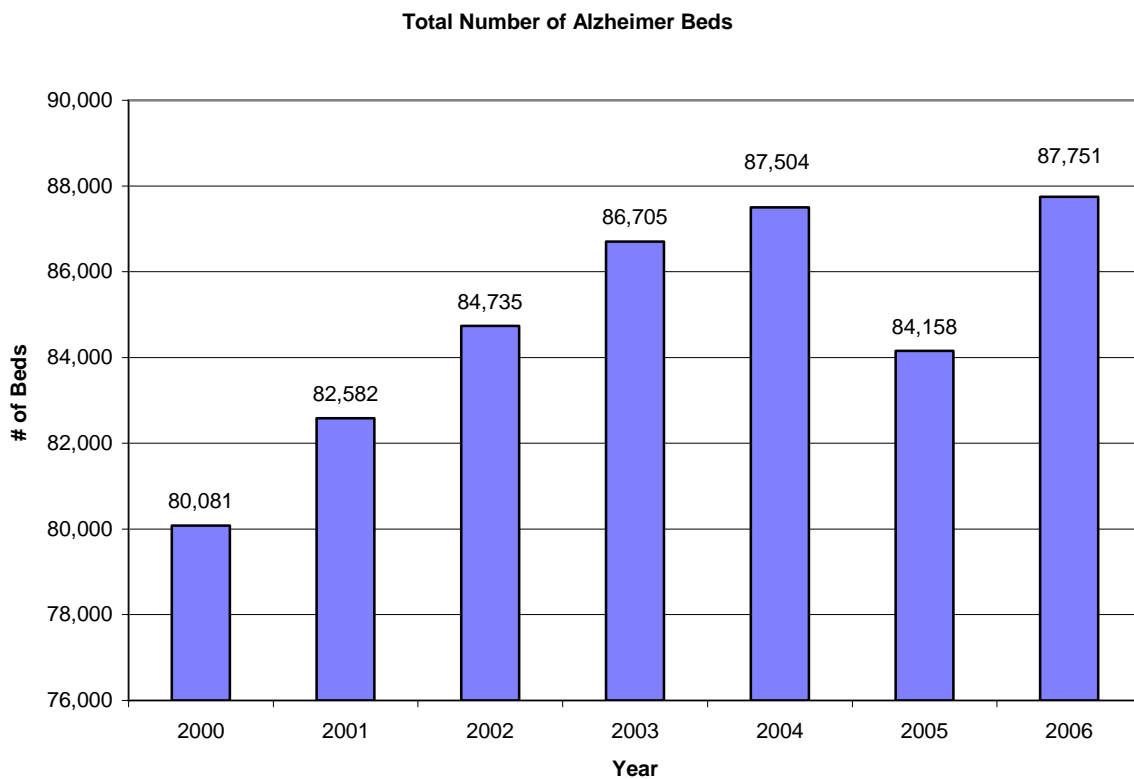
**TABLE 8
PERCENT DISTRIBUTION OF CERTIFIED NURSING FACILITIES BY AFFILIATION IN THE U.S.**

State	Chain-Owned							Hospital-Based						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	30.8	28.6	33.3	50.0	50.0	40.0	23.1	69.2	57.1	66.7	64.3	58.3	53.3	69.2
AL	59.9	61.5	55.0	60.6	60.4	57.7	55.0	10.2	10.8	8.7	8.3	6.9	5.5	7.1
AR	54.8	59.1	55.6	50.0	52.8	49.4	47.0	8.8	8.6	7.9	8.8	6.4	6.8	7.2
AZ	67.2	66.9	61.1	61.6	59.1	57.5	56.8	15.3	9.2	6.9	5.4	3.5	2.3	3.8
CA	62.5	62.7	55.5	55.5	55.2	52.4	53.5	15.9	15.0	12.8	13.3	12.9	12.3	12.4
CO	63.3	65.7	62.4	61.2	60.2	59.6	59.9	13.1	10.2	8.9	9.7	8.3	8.4	8.9
CT	52.3	49.2	42.3	41.0	43.6	46.7	45.6	1.7	1.2	2.1	1.3	1.4	1.3	1.7
DC	29.4	27.8	20.0	17.6	10.0	15.0	15.0	23.5	27.8	20.0	17.6	25.0	25.0	25.0
DE	56.4	52.6	57.6	59.5	59.0	56.1	59.5	7.7	5.3	12.1	5.4	7.7	7.3	7.1
FL	69.7	64.0	62.2	61.1	54.5	53.0	54.1	9.0	8.6	5.7	5.6	4.5	4.0	2.5
GA	74.4	76.4	68.4	73.5	74.6	74.0	71.8	15.2	15.8	17.0	16.3	16.2	15.4	15.4
HI	41.0	37.1	35.5	46.9	45.7	46.2	56.5	43.6	40.0	45.2	43.8	45.7	38.5	39.1
IA	49.5	50.7	50.9	48.2	50.7	52.9	52.2	10.7	11.1	10.9	9.5	8.8	9.7	10.3
ID	61.3	53.4	52.1	53.3	57.4	63.4	58.1	33.3	30.1	23.9	24.0	19.1	25.4	24.3
IL	45.5	47.8	45.7	44.4	44.9	45.9	47.9	11.2	9.8	8.6	8.4	8.5	8.3	7.7
IN	63.6	66.5	61.6	63.5	65.6	64.5	63.0	9.1	9.9	8.4	8.4	7.0	6.4	6.2
KS	53.7	54.7	50.6	49.1	49.9	51.3	51.6	15.9	15.6	14.7	13.2	13.1	13.8	13.5
KY	59.0	58.8	60.9	58.9	61.8	61.4	63.6	19.6	16.5	16.1	13.9	13.7	12.2	11.7
LA	43.8	42.2	41.2	40.8	41.8	43.8	46.4	14.3	12.7	9.6	8.6	7.2	7.4	6.9
MA	54.0	56.3	55.5	56.9	56.3	50.2	52.7	7.1	6.3	5.4	6.0	4.8	4.9	4.9
MD	52.2	48.8	51.5	51.8	51.6	53.1	53.3	12.2	11.9	9.6	7.3	8.0	7.0	7.6
ME	45.5	48.2	53.1	48.1	51.4	50.9	53.6	9.8	8.9	7.1	6.6	9.2	6.6	8.2
MI	52.1	50.7	49.0	50.9	51.0	52.1	52.3	6.1	6.4	5.4	5.9	5.7	3.7	4.9
MN	51.2	49.3	51.1	49.6	49.5	51.7	51.1	15.9	16.4	14.4	15.6	14.7	14.0	14.4
MO	48.4	54.0	53.4	53.8	54.7	49.3	47.8	12.1	10.1	9.5	9.7	6.7	5.9	5.9
MS	56.6	57.3	52.9	51.5	46.1	47.5	42.1	22.5	21.1	18.8	17.2	16.9	13.6	12.9
MT	35.6	34.1	36.5	33.7	36.8	35.2	34.1	38.9	45.9	33.8	42.4	34.5	39.8	36.5
NC	66.4	66.1	69.1	68.7	67.0	68.7	67.6	13.6	12.1	11.7	11.4	11.4	10.4	9.5
ND	43.5	47.1	46.9	48.8	45.1	46.2	44.4	23.5	24.7	22.2	23.2	23.2	19.2	21.0
NE	50.3	51.6	50.0	48.8	48.4	50.7	45.7	15.3	17.0	14.0	14.9	14.1	11.6	11.3
NH	47.1	47.8	48.4	52.7	51.3	48.7	50.0	7.1	5.8	6.5	2.7	6.6	6.6	5.3
NJ	40.1	42.4	37.6	35.6	37.1	37.5	34.9	7.0	6.4	5.0	4.5	4.1	4.4	4.3
NM	71.0	72.3	70.6	68.8	67.7	66.2	70.0	11.6	12.3	8.8	9.1	9.2	10.3	7.1
NV	62.2	69.6	45.5	52.3	53.7	58.7	61.7	33.3	28.3	22.7	22.7	19.5	21.7	21.3
NY	17.8	17.1	12.6	12.7	13.1	12.1	13.1	11.2	11.6	10.9	11.2	11.0	10.1	10.3
OH	52.3	56.7	56.6	56.5	57.1	58.4	58.5	7.7	7.2	5.5	6.5	5.2	5.0	5.1
OK	50.3	50.9	36.0	34.3	34.1	32.8	30.3	8.3	7.1	6.6	5.3	5.7	4.9	4.9
OR	66.0	64.3	63.0	64.7	64.9	68.5	68.4	8.8	9.3	6.7	5.3	4.5	3.2	3.8
PA	49.6	50.7	48.3	49.5	51.2	52.0	53.2	13.4	12.6	10.8	9.8	8.9	9.0	8.7
RI	18.8	18.4	21.7	36.1	30.8	26.2	28.7	2.4	2.3	2.4	2.8	2.6	2.4	1.1
SC	68.0	64.7	63.8	66.1	69.0	67.9	71.3	17.2	15.3	12.3	12.5	11.6	9.3	11.4
SD	54.6	53.8	54.5	53.7	55.0	56.1	57.0	16.7	18.9	20.8	21.3	20.0	15.9	15.0
TN	61.6	64.4	61.5	60.5	61.4	63.6	63.0	15.6	14.8	13.1	11.8	10.9	9.7	9.2
TX	72.6	73.6	63.0	63.3	62.1	62.5	63.3	8.7	8.1	6.6	6.0	4.7	4.5	4.1
UT	73.9	79.8	71.9	68.3	66.7	64.2	67.8	15.9	15.5	13.5	13.4	12.3	14.8	12.2
VA	62.2	62.5	60.7	63.9	62.9	64.5	68.7	11.5	11.6	8.4	7.8	8.5	8.9	7.1
VT	42.9	47.5	51.4	48.8	42.1	38.9	47.5	7.1	7.5	5.4	4.9	5.3	8.3	5.0
WA	67.2	68.1	61.3	61.0	60.4	58.0	62.4	9.7	10.0	10.0	7.9	7.5	7.4	7.2
WI	47.6	46.6	43.8	44.0	44.1	43.3	42.8	8.2	7.6	9.8	8.1	7.7	7.9	7.8
WV	47.3	45.6	50.4	47.7	47.5	45.8	44.0	20.9	21.1	17.1	20.0	22.0	21.7	23.9
WY	52.6	47.1	45.7	45.7	44.4	41.7	37.1	31.6	38.2	37.1	37.1	33.3	38.9	37.1
US	55.2	56.0	54.3	52.6	52.5	52.1	52.5	12.1	11.5	10.4	9.9	9.2	8.8	8.6

Special Care Beds

Surveyed facilities reported the number of beds available in dedicated special care units. Table 9 shows the number of beds in special care units for Alzheimer's, AIDS and hospice for 2000 through 2006. The total number of beds dedicated to Alzheimer's was 87,751 in 2006, an increase of 9.5 percent during the 2000-2006 period. These special care beds were 5 percent of the total certified beds in the U.S surveyed in 2006.

The number of dedicated AIDS beds declined from 1,828 in 2000 to 1,678 in 2006. The number of hospice beds rose from 2,926 to 2,989 in 2006. Many nursing facilities offer care to Alzheimer's, AIDS and hospice residents outside of special care units.



**TABLE 9
TOTAL NUMBER OF SPECIAL CARE BEDS IN CERTIFIED NURSING FACILITIES IN THE U.S.**

State	Alzheimers							AIDS							Hospice								
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006		
AK	0	0	0	22	22	22	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
AL	627	594	940	950	998	649	920	0	0	0	0	0	0	0	0	0	0	15	174	165	21	169	151
AR	608	574	463	421	348	393	465	0	0	0	0	0	0	0	0	0	5	4	12	11	60	107	88
AZ	1,865	1,639	1,613	1,487	1,511	968	1,427	27	0	0	0	0	0	0	0	0	39	4	3	0	0	12	19
CA	4,065	3,556	3,631	4,325	4,294	3,580	3,467	54	156	26	57	58	54	32	285	382	185	72	107	253	237		
CO	1,946	2,246	2,204	2,121	2,175	2,109	1,980	49	0	0	0	0	0	0	217	105	119	138	158	66	61		
CT	1,287	1,806	1,857	1,788	1,359	1,585	1,904	55	70	30	70	70	70	34	33	14	11	14	8	16	22		
DC	88	49	49	21	39	47	108	0	0	0	0	0	0	0	9	9	9	0	13	0	0		
DE	326	339	275	320	341	330	300	0	0	0	0	0	0	0	0	0	0	0	1	6	6		
FL	4,753	4,891	4,541	4,851	5,069	4,196	5,020	329	110	12	44	241	143	313	341	208	163	208	457	302	567		
GA	1,010	824	1,248	1,067	1,173	1,303	1,346	0	0	15	12	15	0	0	161	169	17	10	10	0	1		
HI	104	66	10	124	48	164	106	10	0	10	10	10	0	0	10	1	11	10	10	10	0		
IA	1,428	1,757	1,664	1,771	1,970	2,076	2,082	0	0	0	0	0	0	0	151	62	198	59	298	62	95		
ID	428	377	347	464	405	340	381	0	0	0	58	0	0	0	2	2	0	85	151	148	96		
IL	5,977	5,908	6,598	5,745	6,086	5,662	5,614	44	44	44	44	44	28	28	117	182	330	855	136	98	234		
IN	3,514	4,029	4,271	4,605	4,498	4,543	5,114	39	19	0	12	6	0	26	241	101	158	164	10	4	207		
KS	1,876	1,768	1,846	1,797	1,938	1,842	1,841	0	0	1	0	0	0	0	3	65	11	3	94	13	4		
KY	298	340	166	460	297	454	663	14	2	0	0	0	0	0	11	14	0	160	177	158	164		
LA	1,225	1,434	1,675	1,420	1,607	1,586	1,447	0	0	0	12	12	13	1	0	1	26	3	8	0	0		
MA	3,776	4,054	4,089	3,727	4,143	4,340	4,782	0	0	0	0	0	10	0	1	142	7	3	10	6	9		
MD	1,350	1,257	1,510	1,257	1,305	1,196	1,190	100	0	0	0	0	0	0	22	23	28	24	30	20	1		
ME	136	73	716	641	703	428	514	0	0	0	0	0	0	0	0	0	1	1	1	0	6		
MI	1,508	1,718	1,619	1,710	1,865	2,016	1,934	0	0	6	0	0	0	0	190	4	103	27	189	35	40		
MN	2,930	2,717	2,734	2,761	3,146	2,704	2,903	0	0	16	16	0	0	0	30	76	73	16	29	27	14		
MO	3,939	3,958	4,053	4,250	4,138	4,565	4,581	16	16	16	16	16	16	16	17	54	54	21	20	87	88		
MS	201	156	118	44	20	116	139	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MT	535	498	581	568	602	535	460	0	0	0	0	0	0	0	6	7	5	6	6	5	4		
NC	1,206	1,684	1,279	1,756	1,784	1,544	1,408	0	0	0	0	0	0	0	0	8	4	12	17	20	2		
ND	298	304	318	379	397	442	443	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
NE	772	918	979	1,101	1,092	1,193	1,352	0	0	0	0	0	0	0	85	81	205	81	83	81	82		
NH	673	486	605	648	651	597	440	0	0	0	0	0	0	0	0	50	0	0	1	0	0		
NJ	652	930	1,047	1,212	1,223	1,326	1,473	60	60	62	66	66	74	74	3	9	18	37	34	22	24		
NM	427	573	675	610	411	380	476	0	0	0	0	0	0	0	3	0	120	0	0	0	32		
NV	343	321	293	219	275	300	335	0	0	0	0	0	0	0	0	2	0	225	9	0	0		
NY	3,749	3,394	3,187	3,750	3,919	4,410	5,016	837	865	801	881	940	966	1,096	76	28	37	86	49	67	67		
OH	6,419	6,900	6,416	7,159	7,580	5,513	5,545	16	306	19	39	16	21	0	194	63	82	232	154	160	278		
OK	802	578	1,142	831	816	1,059	986	29	0	84	0	7	33	33	142	4	222	180	9	27	5		
OR	851	504	753	801	704	559	583	0	0	0	0	0	0	0	73	2	8	10	9	3	7		
PA	5,675	5,838	5,946	6,565	6,485	6,445	6,515	30	30	30	16	16	16	16	180	170	76	105	93	41	50		
RI	611	878	807	458	842	921	880	0	0	15	0	0	0	0	0	0	0	0	3	1	4		
SC	416	462	442	497	390	535	434	0	0	0	0	0	1	0	2	13	2	3	6	96	88		
SD	323	290	293	346	281	382	487	0	0	0	0	0	0	0	2	1	1	1	1	0	0		
TN	451	573	430	453	415	360	499	0	0	0	0	0	0	0	0	2	3	3	11	26	25		
TX	2,863	3,176	3,729	3,398	3,247	3,314	3,442	0	0	0	0	1	7	1	20	54	41	94	39	61	56		
UT	565	699	606	598	646	558	562	6	0	0	0	0	0	0	6	0	2	22	4	0	7		
VA	1,054	1,101	1,208	1,256	1,128	1,132	1,141	0	0	0	0	0	0	6	5	5	132	2	0	120	23		
VT	234	238	254	379	356	336	363	0	0	0	0	0	0	0	0	0	0	1	2	1	0		
WA	2,150	2,084	2,068	2,012	1,704	1,631	1,385	75	75	0	35	35	0	0	192	181	36	7	2	0	1		
WI	3,262	3,567	3,078	3,247	2,746	3,157	2,974	2	11	2	2	2	0	2	50	109	108	108	93	119	123		
WV	156	163	112	102	84	30	22	36	0	0	0	0	0	0	0	0	0	0	0	0	0		
WY	329	293	250	211	228	285	265	0	0	0	0	0	0	0	2	2	4	2	4	1	1		
US	80,081	82,582	84,735	86,705	87,504	84,158	87,751	1,828	1,764	1,189	1,390	1,555	1,452	1,678	2,926	2,428	2,799	3,266	2,627	2,450	2,989		

Special Care Beds (continued)

Table 10 shows that there were 15,509 rehabilitation beds in special units surveyed in certified nursing facilities in the U.S. in 2006. This was less than one percent of the total certified nursing facility beds in the U.S and has slightly risen since 2000. There were 7,768 ventilator beds reported in special units in 2006, and these beds had increased by 34 percent over 2000. There were 783 dialysis unit beds surveyed in 2006.

It should be noted that many nursing facilities accept residents with special needs but do not maintain separate units for such residents.

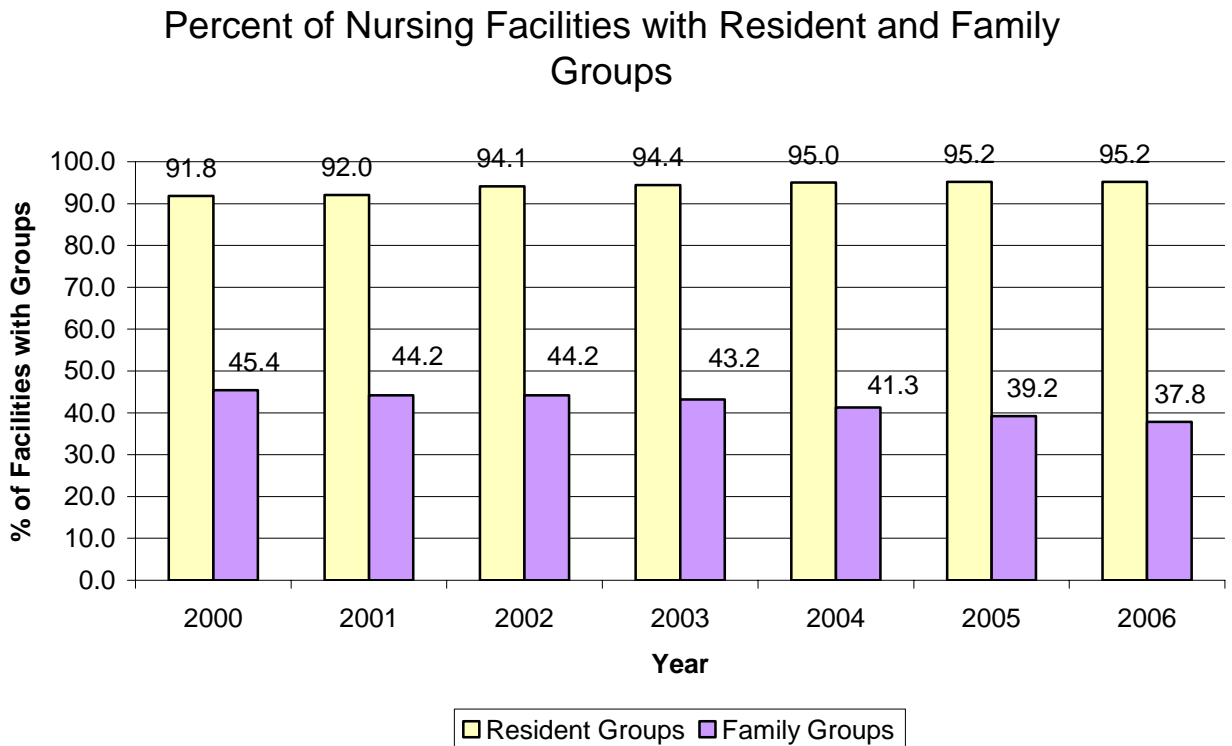
**TABLE 10
TOTAL NUMBER OF SPECIAL CARE BEDS IN CERTIFIED NURSING FACILITIES IN THE U.S.**

State	Rehabilitation							Ventilator							Dialysis							
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006	
AK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AL	395	327	316	356	259	451	325	41	17	41	17	17	0	17	0	0	20	0	0	0	0	0
AR	126	184	401	378	487	363	226	7	7	7	0	7	7	7	1	0	0	0	0	0	0	2
AZ	97	209	225	312	27	263	168	99	126	136	200	205	225	242	0	0	0	0	0	5	0	16
CA	1,549	2,151	1,902	1,456	1,618	1,909	1,612	1,441	1,446	1,640	2,102	2,223	2,129	2,015	65	177	99	10	5	7	17	
CO	317	153	1	141	163	237	190	0	16	49	37	43	34	53	1	1	1	1	0	0	0	
CT	1,205	1,046	1,089	1,420	910	1,147	1,203	66	45	66	66	42	60	62	0	4	3	4	0	0	10	
DC	0	0	0	0	36	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	
DE	0	0	15	0	15	15	15	35	35	41	11	1	17	17	0	0	0	0	0	1	1	
FL	996	720	416	752	703	680	561	432	207	216	218	271	216	288	154	34	0	2	212	196	318	
GA	93	176	277	243	263	187	227	0	0	2	2	0	0	0	0	2	1	1	0	0	0	
HI	38	0	10	10	10	10	0	14	4	16	18	18	10	37	10	0	10	10	10	10	0	
IA	100	205	143	124	97	114	147	0	5	27	81	16	16	15	0	6	0	0	105	6	0	
ID	135	90	87	86	189	181	128	4	0	4	4	4	5	5	0	0	10	64	0	0	0	
IL	1,319	687	686	1,455	537	604	952	416	544	499	413	481	475	723	21	43	60	87	106	82	253	
IN	408	363	265	416	396	113	148	106	114	67	144	108	101	134	141	0	143	142	0	16	0	
KS	171	92	117	50	125	50	110	0	0	0	18	0	18	24	0	0	1	0	0	0	0	
KY	106	70	0	47	18	34	116	112	80	77	122	119	97	116	0	0	0	0	0	0	0	
LA	115	34	33	19	243	43	43	172	156	147	196	193	189	255	1	1	8	1	2	1	1	
MA	447	576	509	597	475	398	433	99	157	116	76	26	36	36	3	2	0	0	0	0	0	
MD	174	132	255	170	112	109	160	117	63	133	97	23	124	120	6	0	0	30	50	0	6	
ME	122	0	78	30	30	18	36	0	0	0	0	0	67	67	0	0	0	0	0	0	0	
MI	317	316	316	320	369	238	314	229	162	171	177	305	186	208	101	0	0	0	102	1	1	
MN	1,011	813	996	1,003	861	1,013	1,164	39	28	31	19	34	32	36	4	0	0	6	0	2	2	
MO	283	368	429	421	500	415	391	19	4	55	25	45	10	10	11	6	7	7	32	11	36	
MS	190	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MT	14	42	34	22	22	22	22	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
NC	20	0	0	20	55	20	70	113	126	21	115	87	66	40	0	0	0	0	0	0	0	
ND	0	0	16	16	16	16	16	8	8	0	0	0	0	0	0	0	0	0	0	0	0	
NE	132	182	82	76	128	191	124	76	22	71	71	64	72	76	0	0	0	0	0	0	0	
NH	56	72	131	111	133	63	133	12	12	0	0	0	6	7	0	50	0	0	0	0	0	
NJ	234	236	214	146	118	131	180	173	157	195	157	163	188	217	0	0	0	0	0	0	0	
NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NV	14	78	16	130	0	138	138	0	44	38	54	52	110	114	2	0	0	0	0	0	0	
NY	1,451	1,503	1,442	1,469	1,827	2,308	2,987	544	570	746	793	925	936	1,055	194	95	30	30	30	58	64	
OH	893	943	1,017	852	963	740	659	671	571	673	689	577	488	681	0	0	27	37	3	8	28	
OK	255	32	38	191	84	36	0	16	4	21	39	9	58	54	8	0	0	9	8	0	0	
OR	88	173	60	15	30	128	95	0	0	4	0	0	5	0	1	2	0	0	0	0	0	
PA	773	730	572	1,284	1,175	735	1,142	354	361	384	472	464	531	510	1	0	29	0	6	0	8	
RI	290	420	263	186	151	355	328	1	11	11	10	0	10	10	2	2	2	0	0	0	1	
SC	43	14	0	0	0	23	6	16	16	20	20	0	23	20	0	0	0	0	0	1	0	
SD	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TN	89	165	96	24	29	29	29	15	15	8	36	18	0	0	0	0	2	0	0	0	0	
TX	118	211	371	240	65	139	183	65	108	121	138	147	82	150	0	2	3	4	7	9	7	
UT	78	28	46	30	40	0	54	16	0	21	37	19	0	0	0	0	0	0	0	0	1	
VA	212	206	100	56	94	267	103	123	133	167	126	154	260	149	0	0	0	0	0	120	0	
VT	112	21	0	40	40	40	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WA	131	317	218	164	41	110	179	61	94	127	133	157	140	160	0	1	0	0	0	1	1	
WI	396	382	297	474	379	300	352	61	69	44	54	77	39	38	10	10	10	10	10	0	10	
WV	68	0	0	0	16	16	0	42	6	4	4	0	0	0	36	3	0	0	0	0	0	
WY	24	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	4	0	0	0	0	
US	15,205	14,635	13,579	15,352	13,859	14,399	15,509	5,815	5,560	6,218	6,991	7,094	7,068	7,768	774	441	470	455	693	530	783	

Resident Groups/ Family Groups

Facilities may have an organized group of residents who meet regularly to discuss and offer suggestions about policies and procedures affecting residents' care, treatment, and quality of life; to support each other; to plan resident and family activities; to participate in educational activities or for any other purposes. Table 11 shows that the percent of facilities with resident groups increased from 91.8 percent in 2000 to 95.2 percent in 2006.

Facilities may have organized groups of family members who meet regularly to discuss issues about residents' care, treatment, and quality of life. Table 11 shows that approximately 45.4 percent of facilities reported family groups in 2000, but this decreased to 37.8 percent by 2006.



**TABLE 11
PERCENT CERTIFIED NURSING FACILITIES WITH RESIDENT GROUPS AND FAMILY GROUPS**

State	Resident Groups							Family Groups						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	0.0	0.0	75.0	78.6	83.3	73.3	92.3	0.0	0.0	50.0	50.0	41.7	53.3	38.5
AL	95.7	95.4	95.9	94.9	95.5	96.3	95.9	58.8	59.0	62.4	62.5	61.9	63.2	66.9
AR	91.6	91.8	94.6	92.5	94.5	94.5	93.2	54.4	57.3	54.4	53.1	50.6	47.7	44.1
AZ	90.5	90.8	96.2	98.2	98.3	96.6	95.5	41.6	40.0	35.1	29.5	29.6	18.4	18.9
CA	89.9	91.6	91.9	92.4	93.4	93.4	93.2	47.0	43.7	43.4	42.2	39.9	37.1	35.1
CO	92.5	94.4	93.9	93.7	94.2	94.1	95.0	63.3	54.2	54.0	53.9	51.0	44.3	43.1
CT	98.8	99.2	97.5	100.0	100.0	99.6	100.0	64.7	61.5	58.6	61.2	58.8	58.6	56.5
DC	88.2	88.9	95.0	88.2	90.0	95.0	95.0	70.6	72.2	85.0	64.7	75.0	75.0	80.0
DE	94.9	92.1	93.9	97.3	92.3	97.6	92.9	59.0	52.6	51.5	51.4	51.3	43.9	35.7
FL	93.4	94.3	95.7	95.6	97.1	96.8	96.4	73.6	67.9	65.2	65.3	63.3	60.4	56.9
GA	95.1	96.0	95.7	95.0	95.7	94.7	94.9	55.2	52.8	50.8	48.7	48.3	46.7	43.3
HI	89.7	88.6	83.9	93.8	91.4	89.7	91.3	53.8	60.0	51.6	53.1	48.6	43.6	43.5
IA	89.5	89.5	89.6	90.5	89.6	91.3	89.9	22.4	18.6	19.5	17.8	15.0	16.1	19.1
ID	88.0	86.3	91.5	88.0	95.6	88.7	90.5	40.0	35.6	28.2	36.0	27.9	22.5	18.9
IL	95.0	95.8	95.7	96.1	96.8	97.1	97.4	42.7	43.0	43.2	44.1	42.6	39.9	38.4
IN	91.5	92.1	93.3	94.2	94.5	94.9	94.2	30.5	29.2	29.7	25.7	25.0	25.6	22.3
KS	89.9	90.0	94.4	94.7	95.5	96.6	96.8	34.9	31.4	31.9	32.7	31.5	27.8	28.0
KY	93.0	90.8	94.6	92.9	93.0	94.9	95.2	47.2	44.1	42.5	40.4	36.8	37.3	34.4
LA	84.8	87.0	89.8	91.1	92.8	94.5	93.4	23.6	23.9	26.8	26.0	26.3	28.7	26.3
MA	94.4	95.7	93.9	94.3	95.0	95.6	95.1	49.7	48.9	50.3	49.5	48.3	48.4	45.8
MD	87.4	89.1	91.3	94.1	92.0	94.7	94.2	52.2	64.2	68.6	68.2	61.5	68.9	65.8
ME	11.6	13.4	93.8	95.3	96.3	96.2	95.5	2.7	2.7	30.1	32.1	26.6	30.2	28.2
MI	97.9	98.3	98.5	99.3	97.9	97.3	97.8	54.5	51.4	53.2	50.7	45.5	40.8	39.4
MN	99.2	99.5	98.9	98.4	98.7	98.9	98.9	61.7	64.2	61.7	62.9	54.5	52.8	55.6
MO	87.9	91.3	90.7	90.7	92.9	94.1	92.9	33.0	36.0	31.8	32.3	29.8	27.5	26.1
MS	92.9	89.7	92.7	92.3	94.9	93.9	94.6	51.6	51.9	57.1	60.9	60.1	53.5	54.0
MT	90.0	92.9	89.2	91.3	93.1	93.2	92.9	24.4	31.8	33.8	29.3	29.9	34.1	31.8
NC	92.9	94.5	95.5	94.7	95.8	95.0	96.2	48.7	46.2	45.9	44.7	42.7	38.2	39.8
ND	96.5	95.3	97.5	96.3	95.1	98.7	95.1	22.4	20.0	21.0	20.7	14.6	14.1	13.6
NE	94.7	92.0	95.5	96.3	96.7	97.2	97.3	29.6	34.6	33.0	30.2	26.8	27.0	28.1
NH	91.4	94.2	96.8	97.3	96.1	96.1	96.1	44.3	37.7	45.2	48.6	43.4	42.1	39.5
NJ	95.2	96.7	96.2	96.1	96.5	95.9	96.0	52.2	50.0	48.8	45.3	45.2	37.2	35.7
NM	91.3	89.2	91.2	92.2	90.8	94.1	97.1	49.3	47.7	55.9	45.5	49.2	48.5	50.0
NV	84.4	91.3	90.9	93.2	87.8	89.1	91.5	40.0	43.5	43.2	45.5	29.3	28.3	29.8
NY	98.6	97.7	98.4	98.9	99.7	99.2	99.1	64.2	63.9	62.9	60.4	59.7	60.3	59.8
OH	95.0	93.9	95.0	95.5	96.4	96.1	95.9	37.3	37.0	37.2	36.7	35.6	28.7	30.7
OK	92.8	92.5	94.5	95.0	95.9	96.5	96.3	26.6	22.6	28.3	23.7	21.3	17.1	16.2
OR	93.2	79.8	95.6	94.7	97.0	96.0	97.7	44.9	35.7	36.3	39.1	38.8	29.0	24.8
PA	90.4	91.9	92.7	93.5	94.3	93.9	94.2	42.1	42.7	40.8	39.2	37.9	36.8	35.5
RI	90.6	93.1	97.6	94.4	94.9	96.4	97.7	34.1	27.6	27.7	22.2	25.6	31.0	33.3
SC	89.9	88.7	90.8	92.3	94.2	95.1	95.2	48.5	52.7	45.4	42.3	43.9	46.9	42.5
SD	95.4	97.2	98.0	99.1	98.0	97.2	98.1	45.4	42.5	35.6	35.2	34.0	32.7	32.7
TN	91.4	89.1	91.4	93.1	93.3	94.2	94.9	57.1	56.5	59.6	57.2	53.5	52.6	45.3
TX	87.9	86.5	92.4	93.1	93.9	94.3	94.3	44.1	43.3	43.7	43.5	43.7	41.2	38.1
UT	86.4	83.3	86.5	85.4	84.0	84.0	85.6	40.9	34.5	29.2	25.6	22.2	24.7	23.3
VA	93.5	93.6	94.6	95.9	95.0	96.4	95.9	43.9	45.4	45.2	43.5	38.6	37.9	35.8
VT	92.9	97.5	97.3	100.0	100.0	100.0	100.0	31.0	27.5	24.3	22.0	23.7	25.0	22.5
WA	94.2	93.6	94.2	93.8	93.3	95.1	95.8	43.6	38.2	36.3	34.9	36.7	33.7	32.1
WI	95.4	95.9	95.3	93.7	95.1	93.9	94.9	37.3	37.7	37.0	33.0	32.2	30.1	29.1
WV	87.6	88.6	88.6	87.7	90.7	87.5	88.1	43.4	43.0	46.3	46.9	47.5	46.7	43.1
WY	89.5	94.1	91.4	94.3	91.7	91.7	91.4	42.1	35.3	37.1	45.7	33.3	36.1	34.3
US	91.8	92.0	94.1	94.4	95.0	95.2	95.2	45.4	44.2	44.2	43.2	41.3	39.2	37.8

RESIDENT CHARACTERISTICS

Background

Nursing facilities vary in the type of residents they serve. Resident characteristics affect the environment of the facility. Moreover, the special characteristics of nursing facility residents require different levels and types of staff resources and affect the facility's success in providing high quality care. A number of nursing facility resident classification systems have been developed and are often referred to as "case mix" indicators.

The resource utilization group system (RUGS-II) is the most well established case mix approach tested for reliability and validity (Fries and Cooney, 1985; Schneider et al., 1988; Fries et al., 1989). RUGS II was developed from a study of Medicaid nursing home residents in New York and consists of 16 groups which are first divided into five categories: special care, rehabilitation, clinically complex, severe behavioral problems, and reduced physical functioning. Subgroups are formed under each of these categories by degree of dependency in activities of daily living (ADL). RUGS III is the latest version developed for the current HCFA Nursing Home Case Mix demonstration project (Fries et al. 1994).

The OSCAR report has summary data on residents at the facility level describing resident's need for assistance with activities of daily living (ADL). Although interesting, such data are

difficult to understand unless they are summarized in some way. Two types of summary data are presented. First, a simple summary of three major activities of daily living (ADLs) was compiled. The facilities were asked to rate each resident's ADLs on a scale of 1 to 3 from needs little or no assistance to needs extensive assistance. The three ADL scores were for those residents who needed assistance in: (1) eating, (2) toileting, and (3) transferring. A score of 1 was assigned to residents who were independent. A score of 2 was assigned to those that needed some supervision. A score of 3 was assigned to those who were dependent.

Each ADL score was multiplied by the number of residents in that category for each facility. An average composite score was developed by adding each of the three scores together and dividing by the total number of residents in the facility to compute each facility's index score. Thus, a summary case mix score ranging from 3-9 was compiled for each facility based on resident ADL characteristics. Individual facility scores were then summarized for each state. Because of reporting changes by HCFA, data for the earlier years could not be computed for this report.

The second approach used was based upon a composite case mix index for nursing facilities. This approach was developed by Thoms (1975) and used by

Dor (1989), Cohen and Dubay (1990), and by Cowles (Health Data Associates 1994). This approach constructed a casemix score by multiplying the proportion of residents with selected ADL limitations and selected patient problems times the estimated number of management minutes required for care of those selected problems, developed from a study of service requirements by Thoms (1975). Thus, a weighted score was multiplied by the percentage of residents in various categories as follows: completely bedfast times 46; needing assistance with ambulation times 32; needing full eating assistance times 45; needing some eating assistance times 20; having an indwelling catheter times 20; incontinent times 48; having decubitus ulcers times 20; receiving

bowel or bladder retraining times 26; and receiving special skin care times 10. Thus, an index was constructed for each facility and then summarized to develop an average resident acuity at the state level.

In addition, the following characteristics show the type of more advanced care that residents receive: percent of clients receiving special treatments (injections, ostomy care, IV feedings, tube feedings, or suctioning), and percentage with organic psychiatric or other psychiatric conditions. Other characteristics that may be important are the percentage who receive psychotropic drugs and who have pressure ulcers, contractures, incontinence, and catheters.

FINDINGS

RESIDENT CHARACTERISTICS AND SERVICES PROVIDED

Assistance with Activities of Daily Living

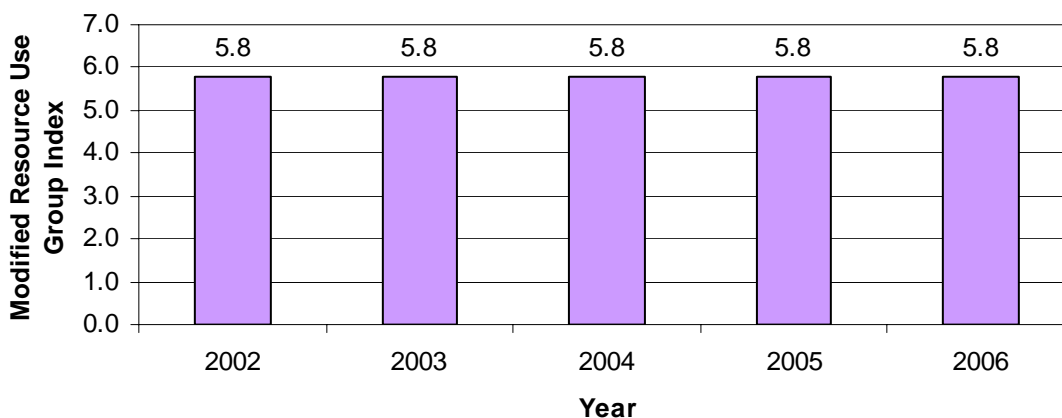
Table 12 shows the average score for residents needing assistance with eating in facilities by state. Each state has an average score from 1 to 3 in terms of the need for assistance with eating, where 1 indicates the lowest need and 3 the greatest need for assistance. The U.S. average resident need for eating assistance remained constant at 1.7 for all facilities surveyed in the 2002-2006 period.

The average score for residents needing assistance in toileting is shown in Table 12. The U.S. average resident need for toileting assistance was 2.1 for all facilities in the 2002-2006 period.

Finally, the need for resident assistance with transferring from surfaces such as to and from the bed, chair, wheelchair or to and from a standing position is shown in Table 12. The average resident need was 2.0 for transferring in the 2002-2006 period.

Table 12 also shows the average summary scores for these three activities of daily living for all facilities in each state. The average resident need score for eating, toileting, and transferring for all facilities surveyed in the U.S. was 5.8 in the 2002-2006 period. This approach of summary scores on a three-point scale shows some variation across states.

Average Activities of Daily Living Scores



**TABLE 12
AVERAGE FACILITY SCORES FOR ACTIVITIES OF DAILY LIVING**

State	Eating*					Toileting*					Transferring*					Modified Resource Use Group Index**				
	2002	2003	2004	2005	2006	2002	2003	2004	2005	2006	2002	2003	2004	2005	2006	2002	2003	2004	2005	2006
AK	1.8	1.8	1.8	1.8	1.8	2.2	2.2	2.3	2.2	2.2	2.1	2.2	2.2	2.2	2.1	6.2	6.1	6.3	6.2	6.0
AL	1.8	1.8	1.8	1.7	1.7	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	6.1	6.0	6.1	6.0	6.1
AR	1.7	1.7	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	5.7	5.7	5.7	5.7	5.7
AZ	1.6	1.6	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	5.7	5.7	5.7	5.7	5.8
CA	1.8	1.8	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.1	2.1	2.1	2.2	2.2	6.2	6.2	6.2	6.2	6.2
CO	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	5.5	5.6	5.5	5.6	5.5
CT	1.6	1.6	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	5.6	5.6	5.6	5.6	5.6
DC	1.8	1.7	1.7	1.8	1.7	2.3	2.3	2.2	2.3	2.2	2.2	2.1	2.1	2.2	2.1	6.2	6.1	6.1	6.2	6.1
DE	1.7	1.7	1.7	1.7	1.7	2.2	2.2	2.2	2.2	2.2	2.0	2.1	2.1	2.0	2.1	6.0	6.0	5.9	5.9	6.0
FL	1.7	1.7	1.7	1.7	1.7	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	6.0	6.0	6.0	6.0	6.0
GA	1.7	1.7	1.7	1.7	1.7	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	6.0	6.0	6.0	6.0	6.0
HI	2.0	1.9	1.9	1.9	1.9	2.4	2.3	2.3	2.4	2.4	2.3	2.2	2.2	2.2	2.2	6.7	6.4	6.4	6.5	6.4
IA	1.6	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	5.4	5.4	5.4	5.4	5.4
ID	1.6	1.6	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	5.7	5.7	5.7	5.6	5.7
IL	1.5	1.5	1.5	1.5	1.5	1.9	1.9	1.9	2.0	1.9	1.8	1.8	1.8	1.9	1.9	5.3	5.3	5.3	5.3	5.4
IN	1.7	1.7	1.7	1.7	1.7	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0	5.7	5.7	5.7	5.7	5.7
KS	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	5.4	5.4	5.4	5.4	5.4
KY	1.8	1.8	1.8	1.8	1.8	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	6.3	6.3	6.2	6.2	6.1
LA	1.7	1.7	1.7	1.7	1.7	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9	5.7	5.8	5.8	5.7	5.7
MA	1.6	1.6	1.6	1.6	1.6	2.1	2.1	2.1	2.2	2.1	2.0	2.0	2.0	2.0	2.0	5.8	5.8	5.8	5.8	5.8
MD	1.8	1.8	1.7	1.7	1.8	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	6.3	6.2	6.2	6.2	6.2
ME	1.7	1.6	1.6	1.6	1.6	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	6.1	6.0	5.9	5.9	5.9
MI	1.6	1.6	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	5.8	5.8	5.7	5.8	5.8
MN	1.6	1.6	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	5.5	5.5	5.4	5.4	5.4
MO	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	5.5	5.5	5.5	5.5	5.4
MS	1.7	1.7	1.7	1.7	1.7	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	5.8	5.8	5.8	5.8	5.8
MT	1.5	1.5	1.5	1.5	1.6	2.0	2.0	2.0	1.9	2.0	1.8	1.9	1.8	1.8	1.8	5.4	5.3	5.3	5.3	5.4
NC	1.8	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.1	6.2	6.2	6.2	6.2	6.1
ND	1.6	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	5.5	5.4	5.4	5.4	5.3
NE	1.6	1.6	1.6	1.6	1.6	2.1	2.1	2.0	2.0	2.1	1.9	2.0	1.9	1.9	1.9	5.6	5.6	5.6	5.6	5.6
NH	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	5.4	5.4	5.4	5.4	5.5
NJ	1.7	1.7	1.6	1.6	1.6	2.2	2.2	2.1	2.1	2.2	2.1	2.0	2.0	2.0	2.1	5.9	5.9	5.8	5.8	5.9
NM	1.6	1.5	1.6	1.6	1.7	2.0	2.0	2.1	2.1	2.1	1.9	1.9	2.0	2.0	2.0	5.6	5.5	5.7	5.7	5.8
NV	1.6	1.6	1.7	1.6	1.6	2.1	2.1	2.2	2.1	2.1	2.0	2.0	2.0	2.0	2.0	5.7	5.8	5.9	5.8	5.7
NY	1.8	1.8	1.8	1.7	1.7	2.2	2.2	2.2	2.2	2.1	2.1	2.0	2.1	2.1	2.1	6.0	6.0	6.0	6.0	6.0
OH	1.8	1.7	1.7	1.7	1.7	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	5.9	5.9	5.9	5.9	5.9
OK	1.7	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	5.6	5.6	5.6	5.6	5.5
OR	1.7	1.7	1.7	1.7	1.6	2.2	2.2	2.2	2.2	2.2	2.0	2.1	2.1	2.1	2.1	5.8	6.0	6.0	6.0	5.9
PA	1.7	1.7	1.7	1.7	1.6	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	6.0	6.0	6.0	5.9	5.9
RI	1.6	1.5	1.6	1.5	1.6	2.0	2.0	2.0	2.0	2.1	1.9	1.8	1.9	1.9	1.9	5.4	5.3	5.5	5.5	5.5
SC	1.8	1.8	1.8	1.8	1.8	2.4	2.4	2.4	2.4	2.3	2.2	2.2	2.2	2.2	2.2	6.4	6.4	6.4	6.4	6.3
SD	1.5	1.5	1.5	1.5	1.5	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	5.3	5.3	5.3	5.3	5.2
TN	1.8	1.8	1.8	1.8	1.8	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.1	2.1	2.1	6.2	6.2	6.2	6.2	6.1
TX	1.7	1.6	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	5.8	5.8	5.7	5.7	5.7
UT	1.6	1.6	1.7	1.7	1.6	2.1	2.0	2.0	2.0	2.1	1.9	1.9	1.9	1.9	2.0	5.6	5.5	5.6	5.6	5.7
VA	1.9	1.9	1.8	1.8	1.8	2.4	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.1	6.5	6.4	6.3	6.3	6.2
VT	1.7	1.6	1.6	1.6	1.6	2.2	2.1	2.1	2.1	2.2	2.0	2.0	2.0	2.0	2.0	5.9	5.8	5.7	5.7	5.8
WA	1.7	1.7	1.6	1.7	1.6	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	5.9	5.9	5.9	5.9	5.9
WI	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	5.5	5.5	5.5	5.5	5.5
WV	1.8	1.7	1.7	1.7	1.7	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.0	6.0	5.9	5.9	5.9	5.9
WY	1.6	1.5	1.6	1.5	1.5	2.0	1.9	2.0	1.9	2.0	1.9	1.8	1.9	1.9	1.9	5.5	5.3	5.5	5.4	5.4
US	1.7	1.7	1.7	1.7	1.7	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	5.8	5.8	5.8	5.8	5.8

* Scale is 1-3 with a score of 3 needing the most assistance.

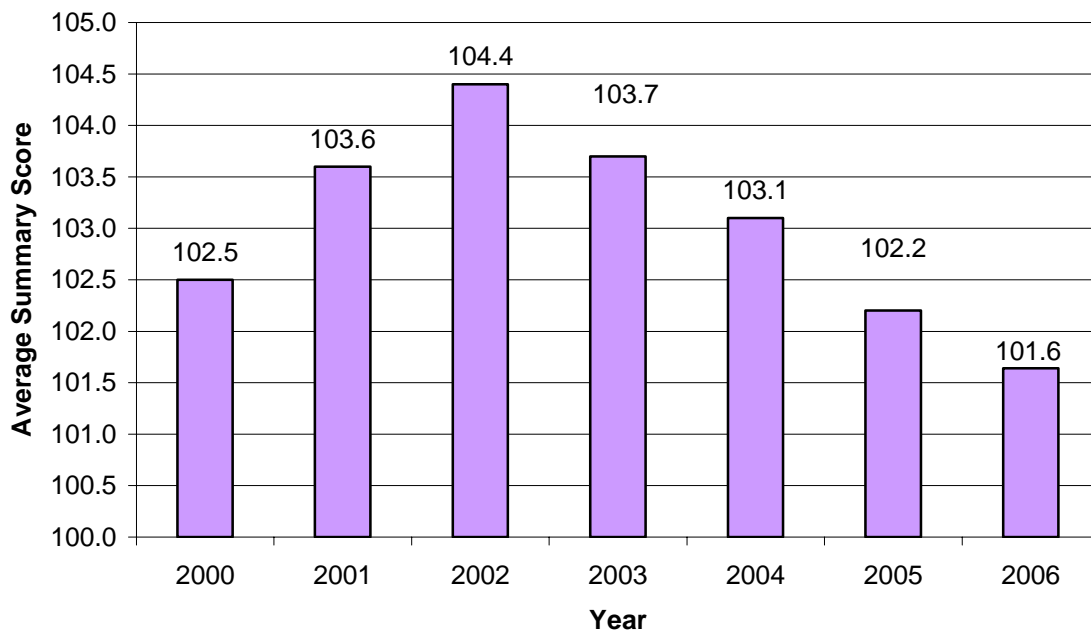
**Average resident dependence summary score for eating, toileting, and transferring.

Summary Resident Acuity Index

Table 13 shows the average summary score for resident acuity using the management minute approach. This index is based on a compilation of resident characteristics including being bedfast, needing assistance with ambulation, needing full eating assistance, needing some eating assistance, having an indwelling catheter, being incontinent, having a pressure ulcer, receiving bowel or bladder retraining, and receiving special skin care. Each of these characteristics were weighted by the average amount of management minutes or the time needed to provide nursing care.

The average index was 102.5 in 2000 and increased to 104.4 in 2002 and then declined to 101.6 in 2006 for all facilities surveyed in the U.S. This index allows for comparisons of acuity differences in facilities across states, which ranged from 42.0 in Alaska to 127.0 in South Carolina in 2006. This shows a wide variation in levels across states.

Resident Activity Using the Management Minute Index



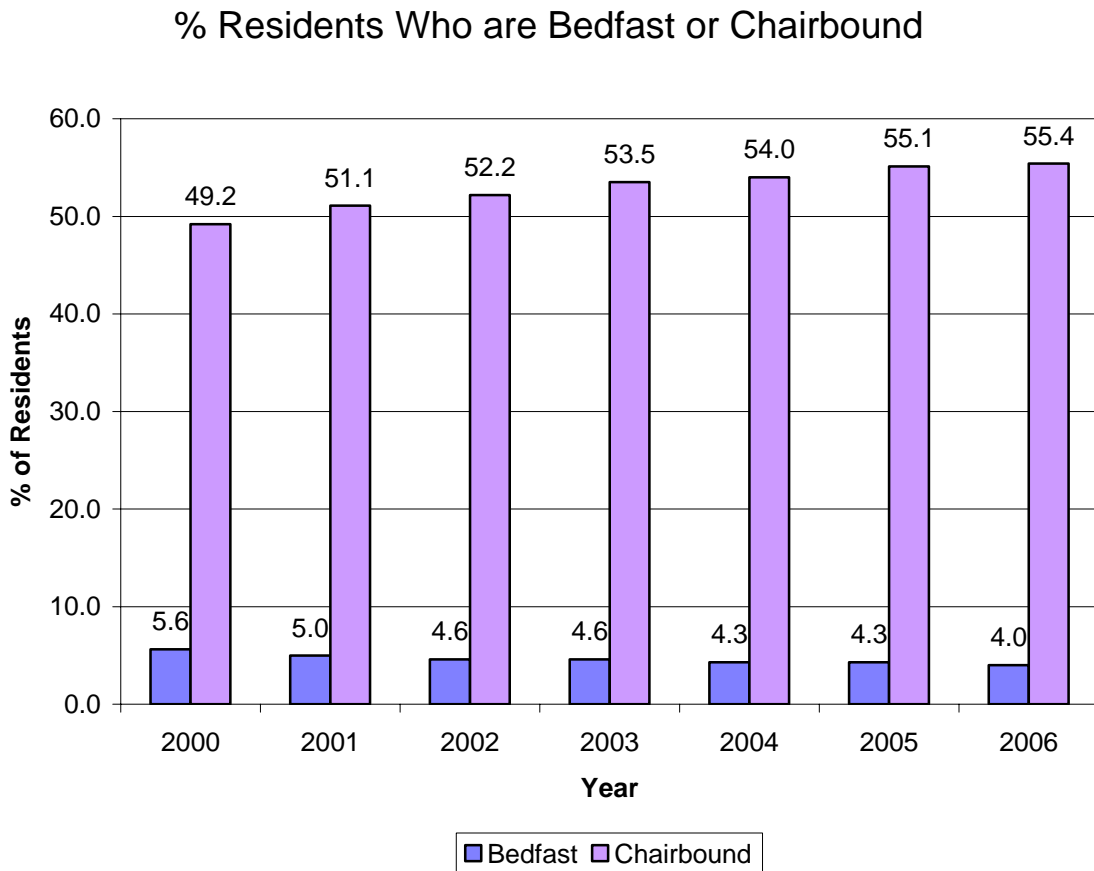
**TABLE 13
AVERAGE SUMMARY SCORE FOR RESIDENT ACUITY
USING THE MANAGEMENT MINUTE INDEX**

State	2000	2001	2002	2003	2004	2005	2006
AK	99.3	98.8	105.5	94.2	99.7	85.3	42.0
AL	107.9	107.4	107.6	106.7	106.0	104.9	105.8
AR	105.0	107.3	107.3	102.9	104.2	101.2	102.2
AZ	97.8	100.8	100.2	100.9	98.3	101.5	98.2
CA	111.8	113.1	113.3	111.5	111.6	111.2	109.5
CO	87.7	91.3	90.0	90.5	89.2	88.3	90.6
CT	94.9	93.3	93.8	96.0	93.1	93.0	89.8
DC	119.2	120.3	118.1	103.0	99.7	113.0	102.3
DE	96.7	92.9	100.7	106.8	101.8	100.1	93.9
FL	102.8	103.6	105.9	106.7	107.1	105.4	107.7
GA	109.7	111.8	114.5	115.0	116.0	115.6	116.0
HI	127.8	123.5	123.8	125.5	114.4	111.9	120.4
IA	73.3	75.0	78.4	76.8	79.8	77.3	77.0
ID	93.5	94.5	96.1	101.2	100.1	96.9	90.2
IL	82.4	85.4	85.0	84.5	84.4	86.8	88.2
IN	92.5	94.1	95.6	93.6	94.7	93.6	95.4
KS	87.8	89.5	88.9	88.0	87.3	87.7	82.9
KY	112.1	111.7	113.2	111.2	111.7	108.8	107.1
LA	100.2	102.0	107.0	111.0	109.4	108.2	107.1
MA	94.8	95.0	95.4	95.3	96.7	93.5	94.8
MD	117.4	113.2	116.7	113.2	114.1	113.5	112.6
ME	109.6	110.1	111.0	107.2	108.0	101.3	101.1
MI	98.3	97.5	99.6	100.6	96.2	97.6	97.9
MN	97.0	94.5	97.5	95.7	94.7	92.4	91.8
MO	91.8	90.6	91.5	89.3	90.1	86.9	89.4
MS	110.8	112.4	114.5	113.2	115.5	112.0	113.3
MT	87.1	85.3	74.2	77.9	83.3	82.8	85.7
NC	113.6	114.3	114.1	114.5	113.7	116.7	114.9
ND	90.3	90.0	89.9	83.7	83.7	76.3	82.7
NE	78.0	76.8	77.6	83.6	81.1	78.5	76.6
NH	86.8	87.5	84.3	87.0	91.4	90.4	90.9
NJ	93.2	97.6	96.7	96.7	95.3	95.0	96.7
NM	90.6	95.4	96.0	94.6	99.9	102.2	105.3
NV	101.5	108.7	108.6	113.2	108.0	110.1	101.0
NY	119.9	119.2	117.4	115.7	114.6	112.6	110.9
OH	106.5	107.3	105.8	103.7	102.0	100.4	98.8
OK	91.2	94.4	95.3	94.7	97.1	97.8	97.8
OR	108.1	109.8	104.2	102.6	107.3	98.4	99.3
PA	105.3	107.2	106.3	106.4	107.7	105.6	104.5
RI	86.9	84.0	79.5	79.0	76.7	82.9	82.0
SC	117.5	118.8	126.7	125.8	123.8	127.3	127.0
SD	99.8	103.6	88.7	93.3	96.3	90.8	88.3
TN	113.1	111.4	112.5	115.7	112.4	112.1	111.9
TX	103.4	106.4	109.3	104.7	102.9	100.8	99.9
UT	90.0	94.2	93.9	96.7	98.6	93.9	91.9
VA	121.9	122.8	123.5	115.8	113.0	111.3	110.5
VT	106.0	103.1	103.5	99.7	107.8	101.6	105.3
WA	109.2	108.8	107.7	104.8	99.2	96.4	95.4
WI	89.7	87.8	88.3	88.4	84.8	83.8	82.9
WV	111.5	107.9	109.7	107.3	111.5	107.0	109.6
WY	85.0	89.4	81.1	79.2	89.3	78.5	94.3
US	102.5	103.6	104.4	103.7	103.1	102.2	101.6

Residents Who Are Bedfast or Chair Bound

Table 14 shows the percent of total residents who were bedfast in the 2000 to 2006 period. This includes residents who were in a bed or recliner for 22 or more hours per day in the week before the survey. The percent of bedfast residents decreased from 5.6 in 2000 to 4.0 in 2006 for all facilities surveyed. In 2006, the average percent of bedfast residents ranged from 0.3 percent in Alaska to 8.5 percent in Louisiana.

A number of residents depend on a chair for mobility or are unable to walk without extensive or constant support from others. The percent of total residents who were chair bound averaged from 49.2 to 55.4 percent in the U.S. in 2000-2006 (See Table 14). The percent of chair bound residents ranged from 36.8 percent in Alaska to 64.9 percent in Florida and Washington in 2006.



**TABLE 14
PERCENTAGE OF RESIDENTS
WHO ARE BEDFAST OR CHAIRBOUND**

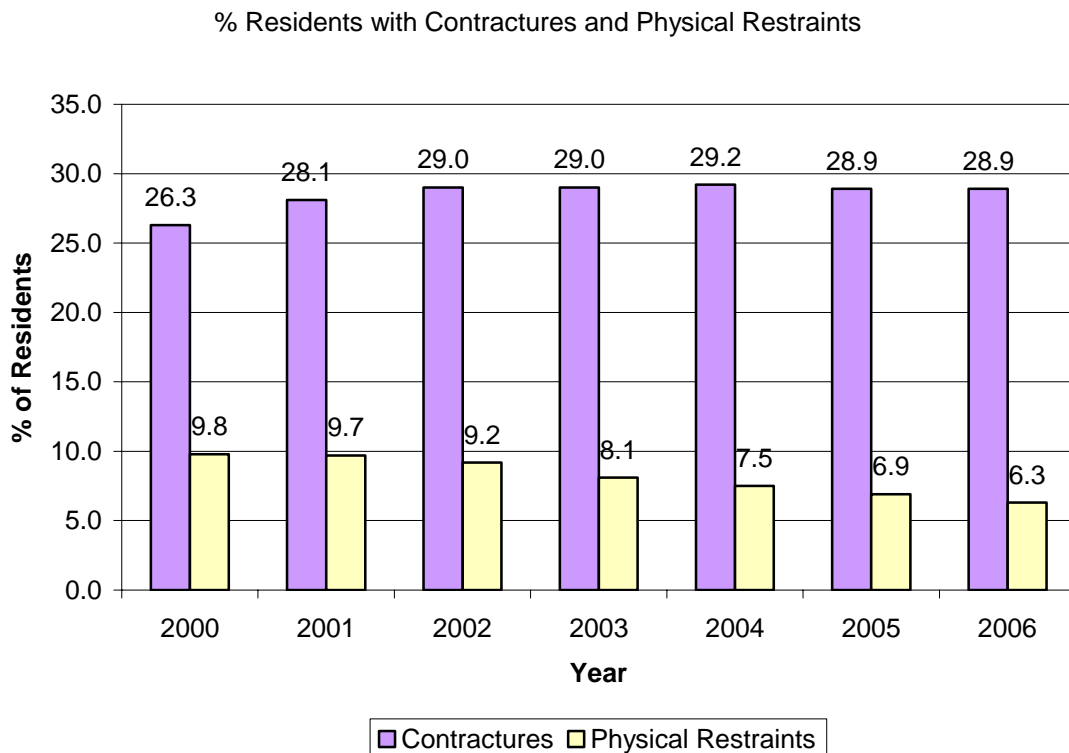
State	Bedfast							Chairbound						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	3.2	2.6	3.1	7.3	2.4	3.8	0.3	47.9	53.4	56.0	59.8	65.5	53.0	36.8
AL	11.2	8.9	8.4	8.8	7.0	7.9	7.3	50.4	55.6	54.5	53.9	56.2	57.5	56.6
AR	7.0	7.6	6.0	5.8	5.0	5.9	4.6	48.8	53.2	54.3	54.3	54.8	52.7	54.7
AZ	5.2	4.0	4.1	3.8	3.4	3.1	3.1	50.2	53.7	54.7	56.7	54.8	62.6	59.7
CA	7.7	7.3	6.5	6.6	6.4	6.3	6.0	53.8	54.1	56.0	56.3	55.7	56.4	55.7
CO	2.9	2.9	2.4	2.6	2.8	2.6	2.7	48.4	49.6	48.4	49.9	51.4	50.6	51.2
CT	2.6	2.2	1.9	1.8	1.7	2.3	1.8	49.2	47.8	49.2	48.3	50.3	50.4	49.1
DC	7.8	9.7	7.3	3.5	5.5	2.6	3.1	61.0	50.2	57.2	53.5	65.2	63.2	58.9
DE	4.4	3.6	2.8	3.9	5.8	3.2	3.8	55.1	52.2	51.6	54.6	53.0	60.2	57.3
FL	4.9	4.2	3.6	3.6	3.2	3.6	3.4	55.7	57.8	58.7	60.6	62.9	63.8	64.9
GA	7.4	7.2	6.7	6.1	6.3	6.4	6.6	54.2	56.2	54.7	53.7	52.7	56.0	56.0
HI	11.5	9.2	9.6	9.2	7.7	8.0	5.6	58.0	59.2	55.7	53.2	56.3	57.8	61.8
IA	2.4	1.6	1.5	1.7	1.8	1.4	1.6	41.3	46.1	47.2	47.3	47.0	47.4	45.1
ID	3.3	3.8	2.8	2.4	2.6	3.1	2.6	50.9	55.2	55.4	54.5	60.5	54.9	56.0
IL	2.7	2.5	2.5	2.2	2.4	2.2	2.0	43.9	44.7	47.3	48.8	50.4	51.3	51.8
IN	4.7	4.0	3.5	3.5	3.7	3.4	3.0	50.9	50.5	54.3	54.4	56.2	56.5	56.0
KS	3.5	2.2	2.1	2.1	1.9	1.8	1.8	45.4	47.6	48.6	49.1	50.4	51.9	51.4
KY	10.2	10.1	10.8	9.4	9.7	8.7	8.0	48.5	50.6	51.8	50.5	52.0	52.2	52.5
LA	12.3	11.3	9.9	10.3	10.5	10.5	8.5	46.5	46.1	49.7	50.6	50.5	53.4	54.7
MA	2.4	2.3	2.2	2.1	2.1	2.2	2.3	42.4	44.0	44.8	45.8	46.9	44.8	45.7
MD	5.4	4.4	4.8	4.6	4.8	4.8	4.4	49.4	51.7	53.6	54.6	55.9	55.3	58.8
ME	5.4	4.8	4.6	4.4	4.2	4.8	4.0	59.1	57.9	58.7	58.1	57.8	57.1	59.3
MI	3.6	3.2	2.6	2.8	2.5	2.7	2.9	55.4	54.8	56.7	57.9	57.4	58.9	60.4
MN	1.4	1.2	1.0	0.9	1.1	1.2	0.9	51.6	51.6	52.9	52.9	52.6	54.0	54.8
MO	4.3	3.2	3.3	2.9	2.2	2.2	2.1	52.0	52.4	52.4	52.9	53.5	52.7	52.8
MS	9.7	9.8	9.2	11.0	7.9	9.2	7.3	54.1	55.2	54.7	54.8	56.1	56.5	57.1
MT	2.5	2.1	1.8	1.5	2.1	2.8	2.5	45.2	47.6	45.7	46.2	48.1	47.4	45.1
NC	10.2	8.4	7.7	9.0	8.6	8.9	8.1	55.6	54.0	56.0	53.9	54.9	55.1	53.8
ND	1.3	1.6	1.3	1.3	1.6	1.5	1.9	54.3	54.2	54.6	55.9	55.5	57.2	56.2
NE	2.1	1.9	1.3	1.4	1.3	1.2	1.2	47.0	49.6	51.9	52.3	51.7	52.8	52.1
NH	3.1	2.7	2.3	2.1	2.5	2.1	2.2	42.0	42.0	43.9	44.9	44.5	45.2	47.6
NJ	3.6	3.7	3.6	3.5	3.4	3.3	3.1	53.1	53.4	56.0	55.1	57.0	57.3	58.9
NM	4.5	3.9	3.0	1.9	2.6	2.6	3.1	53.8	53.0	51.8	53.6	50.4	60.7	57.6
NV	6.5	7.2	5.2	6.0	3.5	5.4	7.4	57.0	58.2	58.9	55.2	56.4	58.5	57.9
NY	3.7	3.3	2.8	2.5	2.4	2.4	2.3	58.6	61.2	61.1	60.6	60.9	61.1	61.0
OH	5.0	4.3	3.8	3.9	3.7	3.5	3.6	50.3	51.6	52.1	52.6	53.9	53.2	52.3
OK	7.6	7.1	5.6	6.0	5.8	6.6	6.2	43.8	46.8	50.1	51.4	51.5	53.6	54.2
OR	5.5	6.3	6.7	5.7	5.0	5.8	5.8	54.8	56.3	53.6	58.3	61.3	59.4	58.5
PA	5.0	4.8	4.9	4.6	4.3	4.1	3.8	50.5	51.8	52.8	54.4	55.7	55.6	55.8
RI	2.4	2.2	1.7	1.2	1.1	1.7	1.6	39.9	39.6	37.9	40.6	37.3	37.8	39.6
SC	9.4	7.0	6.6	6.5	5.4	5.8	5.1	56.2	55.7	58.7	59.7	59.4	62.8	60.2
SD	1.5	1.2	1.1	1.4	1.2	1.2	0.6	54.8	58.6	55.1	56.8	57.6	59.0	56.6
TN	10.9	9.4	8.1	8.0	7.5	7.4	6.9	51.1	50.5	52.7	51.8	54.6	53.9	55.4
TX	9.5	8.5	7.4	7.8	6.7	6.7	6.3	50.8	53.2	55.1	54.7	57.5	56.7	58.8
UT	4.5	3.6	3.5	2.3	2.8	3.4	3.0	43.3	44.0	43.4	46.7	47.1	47.8	44.4
VA	5.9	6.2	6.2	5.6	5.7	5.5	5.1	62.1	63.4	61.8	62.4	62.5	60.8	60.4
VT	2.5	4.7	3.2	4.0	4.3	2.8	3.5	50.0	48.6	51.8	51.1	50.0	53.1	51.9
WA	4.5	4.9	5.2	4.7	4.4	4.1	4.1	64.4	62.2	64.7	63.3	65.2	63.1	64.9
WI	2.0	1.8	1.5	1.5	1.6	1.5	1.7	51.8	53.1	54.9	55.5	55.5	55.8	58.4
WV	7.8	6.8	6.1	5.6	6.1	4.7	5.3	49.7	48.2	51.1	49.2	52.5	52.6	54.6
WY	2.0	3.0	2.0	1.4	4.5	2.0	1.6	45.6	44.3	49.8	51.1	46.8	41.7	48.3
US	5.6	5.0	4.6	4.6	4.3	4.3	4.0	49.2	51.1	52.2	53.5	54.0	55.1	55.4

Contractures

Contractures, which are restrictions in full range of motion of any joint due to deformity, disuse and pain, are common problems of nursing facility residents. In 2000, 26.3 percent of residents were reported as having contractures and this increased to 28.9 percent in all facilities surveyed in 2006 (See Table 15). The average percentage reported ranged from 15.9 percent in New Jersey facilities to 56.2 percent in Alaska in 2006.

Physical Restraints

Physical restraints include physical or mechanical devices, material or equipment, which cannot be easily removed by residents, to restrict freedom of movement or normal access to one's own body. In 2000, 9.8 percent of facilities reported using such restraints but this declined to 6.3 percent in all facilities surveyed in 2006 (See Table 15). The reduction may have been related to regulations and training about the negative effects of restraints on residents. The average percentage in 2006 ranged from 1.6 percent in Nebraska to 13.7 in Arkansas.

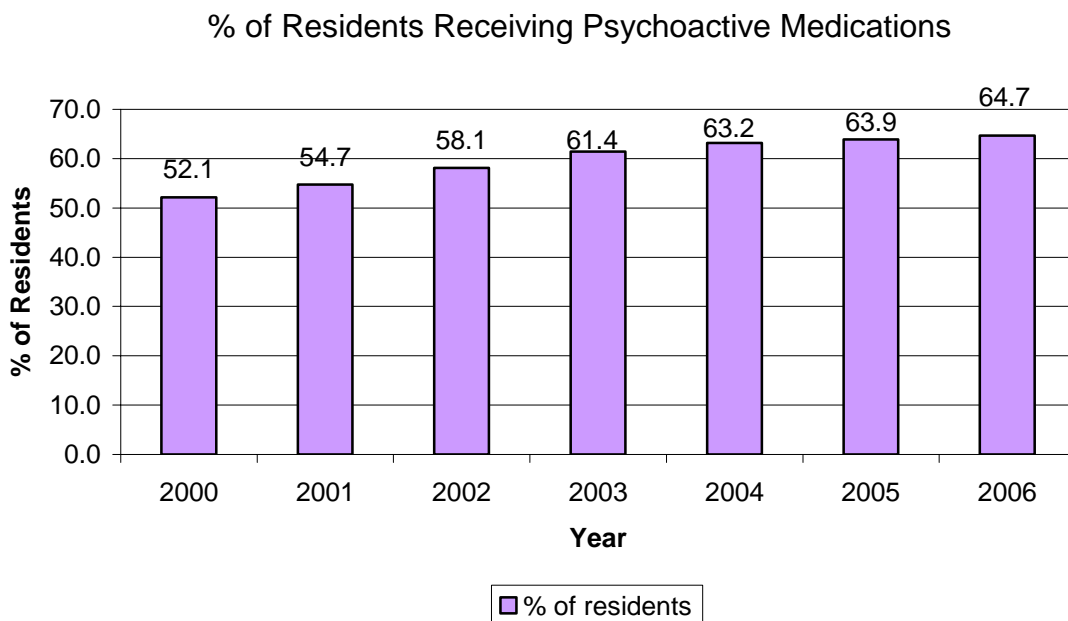


**TABLE 15
PERCENT OF RESIDENTS
WITH CONTRACTURES AND PHYSICAL RESTRAINTS**

State	Contractures							Physical Restraints						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	48.8	40.6	53.0	42.6	48.6	51.2	56.2	8.2	8.7	3.9	2.5	4.1	6.7	5.4
AL	29.7	32.8	35.6	34.8	35.9	35.2	33.9	4.5	5.1	4.7	4.7	5.0	4.5	4.2
AR	22.8	24.9	24.0	24.0	22.7	22.5	21.6	21.0	21.3	21.1	17.1	16.2	15.0	13.7
AZ	18.2	20.1	20.0	17.9	20.9	21.7	24.2	11.2	10.7	10.3	9.7	9.0	11.3	8.1
CA	25.5	25.6	27.5	27.3	27.5	27.7	27.2	17.6	16.8	15.7	14.1	14.0	13.5	12.9
CO	20.6	22.8	22.7	24.0	22.8	24.4	24.1	13.4	10.8	10.0	9.3	8.2	7.5	7.5
CT	17.2	18.0	18.8	19.2	17.5	17.7	18.3	12.2	11.5	10.5	10.3	9.1	7.8	6.1
DC	30.2	31.7	33.4	27.9	27.6	31.6	26.7	10.4	4.5	3.9	5.3	2.2	2.0	1.9
DE	25.6	32.1	29.8	27.7	24.5	24.7	28.2	4.9	3.0	4.7	3.9	2.6	3.2	4.4
FL	19.6	20.6	21.9	21.8	21.7	20.6	21.1	7.0	7.5	7.8	8.1	8.5	7.9	7.7
GA	26.4	28.9	32.8	33.3	34.1	34.5	35.3	9.0	10.4	9.9	9.6	9.2	7.3	6.5
HI	36.7	39.9	42.3	42.2	45.6	34.1	41.0	10.1	8.9	7.4	5.5	4.8	4.7	5.6
IA	27.5	32.7	32.0	33.5	34.1	33.5	33.0	2.6	3.5	3.5	3.2	2.8	2.6	2.5
ID	23.8	22.8	26.6	28.1	31.0	26.1	28.1	9.4	7.6	9.3	7.3	6.7	6.2	3.2
IL	21.8	23.2	23.2	24.3	24.6	24.6	26.7	5.7	5.6	5.1	4.7	4.8	4.4	4.4
IN	23.0	26.1	26.0	24.6	25.9	24.4	24.9	7.5	7.3	6.4	5.9	5.7	5.5	5.6
KS	25.9	29.1	29.3	30.3	32.7	31.5	30.3	5.0	5.2	4.9	5.1	4.2	2.9	2.2
KY	24.6	26.4	28.3	28.1	27.2	26.4	25.1	7.8	8.4	7.6	6.8	7.5	6.8	6.4
LA	21.8	29.9	34.9	36.2	37.1	37.4	38.6	22.0	19.5	18.7	18.1	16.0	14.0	12.5
MA	17.5	18.7	18.1	17.6	17.5	18.1	18.0	7.8	7.5	7.1	6.3	6.7	6.0	5.3
MD	23.1	23.8	24.1	23.9	24.2	25.3	25.8	12.0	10.0	9.9	9.7	8.3	6.8	5.3
ME	36.3	38.2	38.0	39.3	41.7	40.3	38.2	7.0	10.5	9.7	9.0	6.6	4.6	3.4
MI	25.0	26.3	25.8	25.7	27.3	26.1	27.4	7.7	6.8	7.2	6.7	6.1	5.8	5.4
MN	26.2	28.9	30.6	33.0	32.3	34.3	33.4	4.9	4.8	4.7	4.8	4.6	4.0	3.3
MO	21.6	23.1	22.0	22.4	22.6	23.2	23.0	6.9	7.2	6.8	6.6	5.7	6.3	6.1
MS	38.9	43.0	42.8	44.5	46.6	45.1	43.2	13.6	13.4	14.8	12.5	12.2	11.1	10.8
MT	30.0	32.2	30.7	35.2	36.2	37.9	35.7	7.3	6.2	2.8	3.7	2.9	2.7	2.5
NC	30.3	35.6	34.6	34.1	34.1	36.1	34.6	7.3	7.9	8.4	8.3	8.6	9.2	9.1
ND	39.2	41.6	43.8	40.0	39.2	42.6	37.9	5.9	6.2	3.7	2.6	2.6	2.4	2.7
NE	30.8	34.2	39.3	40.2	38.6	39.8	39.1	2.5	2.7	2.5	1.9	1.6	1.8	1.6
NH	34.8	33.0	33.3	28.7	31.5	32.1	33.0	5.5	4.1	5.2	4.7	4.5	3.2	2.5
NJ	19.0	19.1	18.3	17.2	16.7	15.4	15.9	5.6	6.1	6.1	5.8	5.9	5.6	5.3
NM	18.8	29.5	31.9	30.4	32.7	29.3	33.1	12.3	10.0	9.4	7.8	7.9	8.2	7.5
NV	17.8	29.2	27.9	36.2	33.9	33.5	30.5	17.4	13.5	13.2	9.9	8.8	7.9	6.4
NY	52.9	51.2	48.1	46.3	44.0	41.8	39.9	9.4	8.7	8.0	7.1	6.2	5.6	5.1
OH	42.0	41.6	41.2	39.7	39.8	38.1	38.8	8.7	8.9	7.9	7.5	6.8	6.1	5.8
OK	19.4	21.6	27.3	26.7	26.7	25.5	24.7	11.0	12.7	12.6	12.1	12.7	13.3	12.3
OR	30.3	27.1	28.6	29.5	31.7	28.7	32.7	12.3	12.7	11.8	10.5	9.3	7.3	6.0
PA	19.4	21.0	22.6	21.6	22.2	22.3	22.5	7.7	7.7	6.8	6.0	5.4	4.7	4.4
RI	24.8	24.0	21.1	22.1	19.0	19.5	21.6	7.7	6.2	5.9	3.1	4.7	3.7	3.3
SC	32.6	34.5	36.7	36.5	37.5	37.8	36.3	7.1	7.9	9.7	8.2	8.4	9.1	8.4
SD	45.9	51.2	49.1	50.1	51.6	50.8	50.3	10.6	10.0	7.8	5.7	4.7	4.2	4.0
TN	22.7	24.5	25.4	25.3	26.6	26.7	23.7	13.0	12.0	11.6	10.9	10.1	8.9	8.2
TX	20.0	22.8	24.4	24.5	23.8	24.6	24.9	17.9	17.9	17.2	11.2	8.6	6.9	5.9
UT	15.3	16.6	19.8	24.6	23.2	21.4	23.3	10.6	10.7	11.1	10.9	11.3	8.9	7.7
VA	23.9	28.2	28.3	27.0	26.5	27.7	28.2	7.2	7.9	6.7	5.4	5.5	4.5	3.5
VT	38.8	32.7	33.5	35.9	39.3	31.9	34.7	7.3	7.7	6.0	5.7	6.0	3.1	3.5
WA	32.6	31.1	36.2	36.9	36.4	34.9	35.3	12.4	12.8	8.1	6.5	4.4	3.6	2.9
WI	22.0	24.7	26.9	26.7	28.8	29.0	28.5	8.2	6.3	5.0	3.8	3.5	2.7	2.4
WV	41.6	41.4	43.3	40.2	42.4	39.9	38.3	9.3	7.5	7.1	5.7	4.7	4.2	3.4
WY	15.9	21.3	22.1	28.9	27.9	23.0	30.0	10.0	13.0	8.9	6.0	5.2	4.1	4.9
US	26.3	28.1	29.0	29.0	29.2	28.9	28.9	9.8	9.7	9.2	8.1	7.5	6.9	6.3

Psychoactive Drugs

The percent of residents receiving psychoactive medications is reported in Table 16. Such drugs include anti-depressants, anti-anxiety drugs, sedatives and hypnotics, and anti-psychotics. In 2000, 52.1 percent of residents in facilities in the U.S. were reported to be receiving such medications. This usage increased to 64.7 percent in 2006; specifically, these percentages ranged from 43.1 percent in Hawaii to 72 percent in Maine. The increase is somewhat surprising because new federal regulations prohibit the use of anti-psychotics and other psychoactive drugs unless such drugs are shown to be necessary for particular resident problems. On the other hand, anti-depressants are sometimes under-prescribed and new educational efforts are focused on the appropriate use of anti-depressants.



Mental Retardation/Developmental Disabilities

New federal regulations from OBRA 1987 require screening of all new residents to ensure that those who are mentally retarded, developmentally disabled, or mentally disabled are placed in appropriate facilities where they receive services designed to meet their needs. State officials are required to certify that those individuals with mental retardation who are placed in nursing facilities are receiving appropriate services. The percent of residents with developmental disability was reported. This includes residents who have mild to profound mental retardation. Table 16 shows that 2.5 to 2.6 percent of residents were reported to have developmental disabilities in the 2000-2006 period.

**TABLE 16
PERCENT OF RESIDENTS
RECEIVING PSYCHOACTIVE MEDICATION AND HAVING MENTAL RETARDATION**

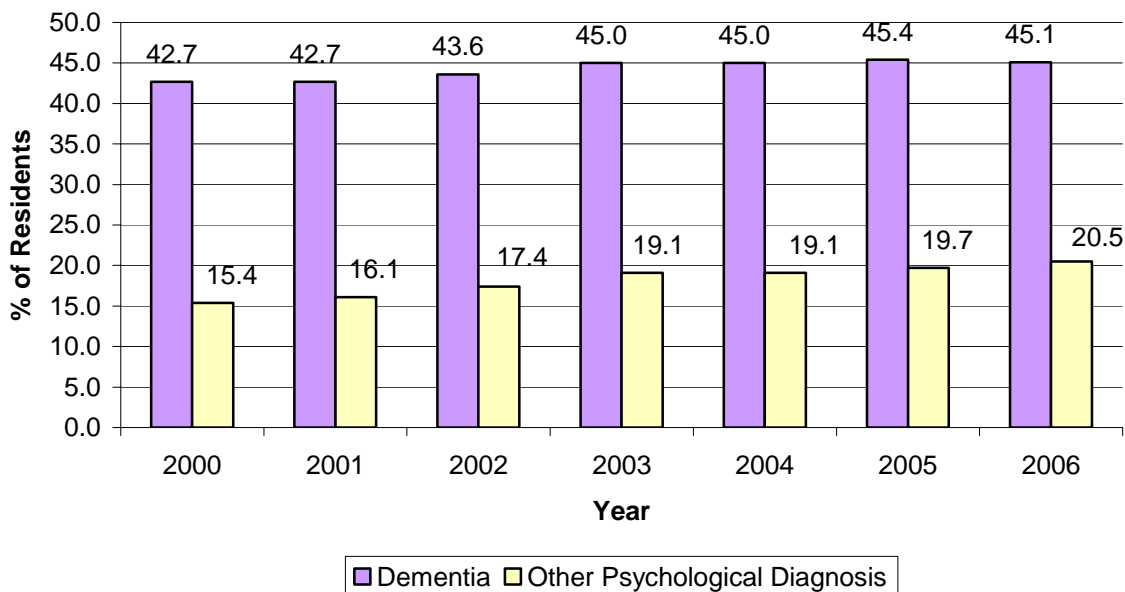
State	Receiving Psychoactive Medications							Mental Retardation						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	52.3	61.9	63.3	63.7	69.7	67.2	67.1	1.1	1.3	1.2	1.2	1.3	1.0	0.8
AL	50.1	55.2	58.8	62.0	64.8	67.7	66.2	5.4	5.5	5.3	5.2	5.4	5.0	5.4
AR	52.6	55.1	59.5	62.0	64.8	65.4	67.6	3.8	3.5	3.6	3.7	3.5	3.5	3.5
AZ	48.6	54.4	56.8	60.3	62.1	62.7	64.1	1.2	1.1	1.1	1.2	1.0	1.0	1.3
CA	44.3	47.8	51.8	54.7	55.8	56.6	57.5	2.5	2.4	2.4	2.2	2.4	2.4	2.4
CO	50.7	53.3	57.8	59.6	62.9	64.3	64.6	1.3	1.4	1.3	1.3	1.4	1.5	1.3
CT	55.9	59.1	62.1	63.2	65.4	67.2	67.0	2.3	2.5	2.5	2.5	2.5	2.6	2.7
DC	34.4	33.6	41.8	42.4	42.2	47.8	49.5	1.9	3.2	2.5	2.4	2.4	1.9	1.5
DE	52.6	48.2	55.9	60.1	62.0	65.4	63.4	3.6	2.9	2.8	2.1	2.7	2.5	2.7
FL	49.5	52.7	57.1	60.7	62.9	63.9	64.9	1.3	1.3	1.5	1.5	1.6	1.6	1.7
GA	52.5	54.8	60.5	61.8	63.3	64.9	65.9	4.7	4.2	4.4	4.6	4.5	4.4	4.6
HI	30.4	36.2	31.9	36.1	36.4	39.3	43.1	1.9	2.3	2.7	2.5	2.0	2.1	2.5
IA	49.5	52.3	56.5	59.9	61.4	62.2	64.5	2.2	2.1	2.2	2.4	2.1	2.2	2.2
ID	53.8	57.8	65.4	66.1	69.1	66.4	67.4	1.3	1.2	1.3	1.6	1.5	1.6	1.3
IL	51.2	53.5	59.1	60.8	62.2	63.4	63.5	2.4	2.3	2.2	2.1	2.1	2.2	2.1
IN	53.9	57.1	60.9	63.3	64.9	64.7	65.6	3.2	3.0	3.3	3.3	3.3	3.2	3.0
KS	53.9	58.1	62.3	64.4	66.3	66.8	67.2	1.6	1.4	1.4	1.4	1.4	1.5	1.4
KY	55.5	56.8	63.5	63.9	67.3	67.7	68.0	4.4	3.7	3.5	3.4	3.5	3.1	3.4
LA	52.3	55.7	61.4	64.0	66.0	65.9	66.6	3.3	3.3	3.3	3.1	3.2	3.4	3.2
MA	59.1	61.1	66.0	67.9	69.6	69.8	69.6	2.8	2.9	2.7	2.8	2.7	2.5	2.4
MD	47.4	51.8	52.0	56.0	56.0	58.0	56.8	2.2	2.0	1.9	1.6	2.0	1.8	1.7
ME	59.9	62.7	67.4	67.8	69.1	70.4	72.0	2.3	2.6	1.6	1.8	1.6	1.6	1.5
MI	51.0	54.3	56.4	58.6	60.6	61.1	63.6	2.3	2.1	2.0	2.0	1.9	2.2	1.8
MN	54.6	55.6	59.7	61.9	64.0	64.4	63.7	1.6	1.5	1.6	1.4	1.3	1.1	1.2
MO	55.7	57.9	62.3	64.7	67.1	67.4	68.6	3.0	2.7	2.9	2.7	2.9	2.7	2.9
MS	52.7	56.6	59.9	60.3	63.6	66.5	66.4	2.4	2.0	2.2	2.3	2.5	2.6	2.7
MT	51.3	52.8	58.5	60.4	64.6	61.8	61.1	1.7	1.7	1.8	1.5	1.7	1.6	1.5
NC	51.3	56.1	59.9	63.0	64.4	65.1	67.2	2.2	2.4	2.2	2.2	2.5	2.3	2.6
ND	55.0	58.2	61.0	63.5	64.6	66.0	67.3	2.3	2.3	2.4	2.1	2.0	2.3	2.2
NE	51.8	54.7	59.2	61.7	64.6	64.6	66.0	2.2	2.0	2.1	1.9	1.9	1.9	2.2
NH	55.8	58.5	62.5	66.1	66.5	68.7	70.7	1.7	1.3	2.5	2.1	2.0	1.7	1.8
NJ	44.9	45.9	51.6	54.0	56.6	56.4	57.4	3.8	3.5	3.6	3.7	3.4	3.5	3.7
NM	52.6	49.3	54.5	59.8	55.6	60.6	63.1	1.6	1.5	1.5	1.3	1.4	1.5	1.7
NV	43.6	51.4	57.6	56.0	57.3	63.7	58.2	2.2	2.0	1.7	2.1	2.6	2.1	2.1
NY	46.4	48.9	53.0	55.7	56.4	57.3	58.5	3.9	3.9	4.1	4.1	4.0	4.1	4.2
OH	58.0	60.2	63.7	66.0	67.1	67.9	69.1	2.3	2.3	2.4	2.5	2.4	2.5	2.4
OK	50.1	53.9	61.0	63.0	67.0	67.1	68.7	2.2	2.4	2.2	2.4	2.3	2.5	2.7
OR	57.8	58.8	68.0	68.2	69.9	70.5	69.3	2.2	2.2	1.6	1.9	1.7	1.9	1.7
PA	53.8	56.1	59.6	62.7	64.3	65.2	65.6	2.4	2.5	2.4	2.4	2.6	2.5	2.7
RI	56.1	55.9	58.7	62.4	61.8	66.6	67.7	1.6	1.6	1.7	1.9	1.5	1.7	1.5
SC	47.0	51.9	56.0	58.9	61.1	61.6	61.3	2.3	2.1	2.9	3.3	2.7	2.3	2.2
SD	52.1	53.6	57.9	60.0	63.3	63.4	63.3	2.1	1.8	2.2	1.9	1.7	1.6	1.5
TN	55.8	60.1	65.2	67.4	69.2	70.3	70.2	3.5	3.0	3.0	3.5	3.2	3.5	3.3
TX	53.3	55.4	60.6	63.0	64.6	64.4	65.5	2.1	2.3	2.5	2.5	2.6	2.6	2.7
UT	57.8	61.8	68.2	70.4	72.7	70.5	71.5	2.0	1.8	2.0	2.1	2.0	1.9	2.0
VA	53.5	54.8	58.6	62.3	60.8	62.3	63.6	4.1	4.3	4.3	4.3	4.3	4.1	4.1
VT	59.5	56.0	64.4	67.3	69.7	68.3	70.6	2.0	2.5	1.4	1.5	1.7	1.5	1.5
WA	54.0	55.9	60.3	63.7	65.6	65.7	65.7	3.4	3.4	3.1	2.9	3.0	3.0	2.9
WI	53.1	54.1	58.7	60.8	63.2	63.6	64.1	1.4	1.4	1.4	1.5	1.5	1.3	1.4
WV	52.5	55.7	60.3	59.9	62.8	64.4	63.0	3.8	3.4	3.5	3.1	3.2	3.4	3.8
WY	48.2	46.4	62.8	60.6	66.0	62.0	63.5	1.8	1.6	1.2	1.3	1.4	1.0	1.3
US	52.1	54.7	58.1	61.4	63.2	63.9	64.7	2.6	2.6	2.5	2.6	2.5	2.5	2.6

Dementia & Other Psychological Diagnoses

Table 17 shows the percent of residents that were reported by facilities and states with having a dementia diagnosis. The average percent of residents reported with dementia increased from 42.7 percent in 2000 to 45.1 percent in 2006. The percent varied from 37.9 percent in Nevada to 58.2 percent in Maine in 2006.

The percent of residents with other psychiatric conditions such as schizophrenia, mood disorders, and other problems is reported in Table 17. Other psychiatric conditions increased from 15.4 percent of residents in 2000 to 20.5 percent in 2006. The percentage of conditions varied from 5.7 percent in Hawaii to 29.3 percent in Louisiana in 2006.

% of Residents with Dementia and Other Psychological Diagnoses



**TABLE 17
PERCENT OF RESIDENTS
WITH DEMENTIA AND OTHER PSYCHOLOGICAL DIAGNOSES**

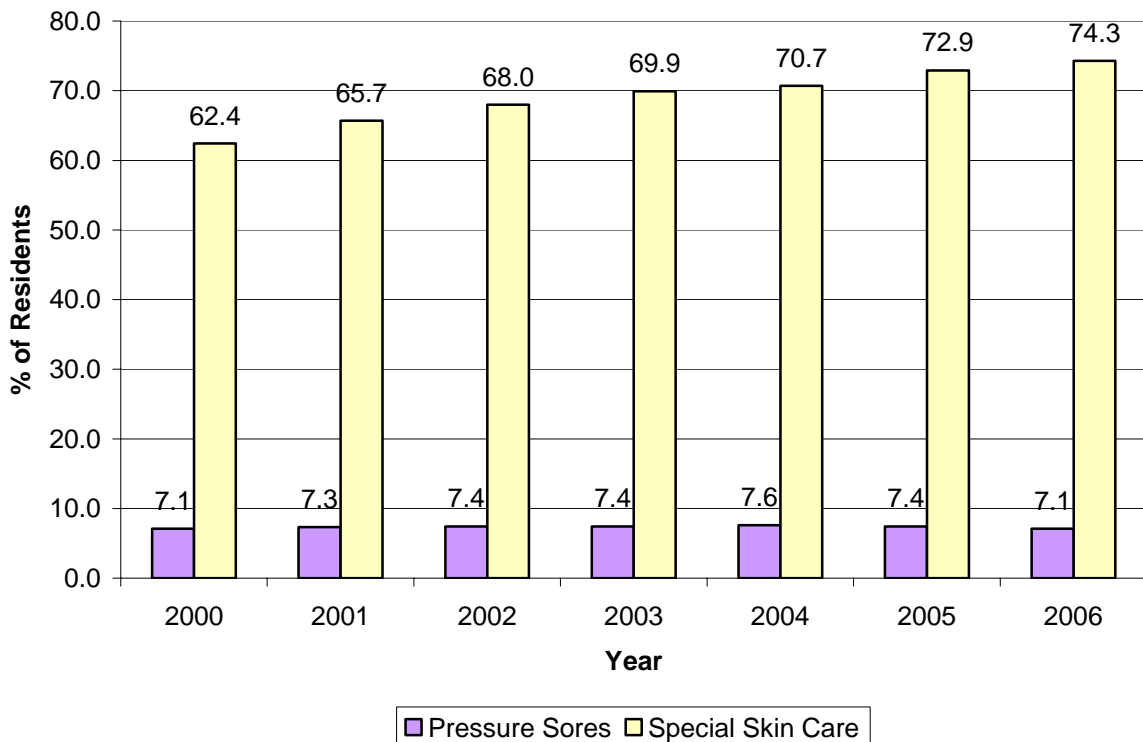
State	Dementia							Other Psychological Diagnosis						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	35.1	40.4	36.2	52.1	52.1	48.8	54.4	10.7	15.3	11.9	15.3	15.3	18.7	14.7
AL	49.9	50.8	52.1	52.8	52.8	52.4	52.9	15.2	17.7	19.4	22.9	22.9	24.5	24.9
AR	35.4	35.0	32.9	37.7	37.7	38.2	38.6	17.1	16.7	17.2	19.1	19.1	18.5	18.8
AZ	39.4	41.6	42.7	42.0	42.0	43.3	42.3	10.9	12.0	13.5	14.3	14.3	14.7	17.8
CA	35.8	35.5	36.5	38.4	38.4	39.1	38.6	14.6	15.8	16.2	18.2	18.2	19.2	19.7
CO	41.3	40.3	41.1	44.4	44.4	44.2	43.6	12.2	13.7	13.7	14.4	14.4	14.9	15.2
CT	42.9	44.2	43.9	46.6	46.6	45.8	46.3	12.2	11.7	13.4	13.1	13.1	13.2	15.2
DC	39.1	42.7	47.3	50.6	50.6	44.1	42.2	12.7	16.9	13.7	19.8	19.8	17.7	13.5
DE	41.9	38.5	44.9	45.4	45.4	47.4	45.4	11.4	12.5	14.4	12.7	12.7	19.0	17.3
FL	40.1	41.3	42.7	45.4	45.4	44.7	45.8	12.9	13.7	16.1	19.5	19.5	19.7	20.6
GA	46.1	43.6	44.0	45.3	45.3	46.4	47.6	14.5	15.2	16.3	16.7	16.7	18.9	21.7
HI	51.1	49.9	51.0	50.9	50.9	53.5	55.0	4.9	6.2	5.9	6.2	6.2	7.2	5.7
IA	47.3	46.2	46.1	46.6	46.6	47.8	45.8	13.5	14.4	16.1	16.5	16.5	17.3	17.7
ID	42.2	42.8	47.5	46.3	46.3	44.2	43.6	10.0	10.0	14.4	13.2	13.2	14.8	17.5
IL	33.5	33.7	35.2	39.5	39.5	41.2	41.2	21.2	20.9	21.5	23.3	23.3	23.6	24.1
IN	39.3	40.4	43.3	44.3	44.3	45.7	44.4	15.5	16.3	18.2	17.9	17.9	17.6	18.8
KS	44.4	40.9	43.8	44.4	44.4	45.6	45.9	20.5	19.0	20.4	22.2	22.2	22.0	22.4
KY	46.1	46.0	47.8	47.4	47.4	47.6	47.8	15.2	16.2	19.1	22.4	22.4	22.0	25.1
LA	36.1	34.8	38.2	41.1	41.1	42.4	42.7	21.9	21.0	23.3	25.8	25.8	27.5	29.3
MA	43.8	44.6	45.6	47.3	47.3	49.0	48.7	19.0	18.6	20.0	20.8	20.8	20.9	20.9
MD	40.1	40.0	41.6	42.1	42.1	40.6	44.0	12.4	12.7	13.5	15.4	15.4	16.0	15.6
ME	54.4	54.4	53.5	58.9	58.9	56.5	58.2	10.5	10.7	13.3	17.1	17.1	16.6	17.4
MI	54.6	53.7	56.1	56.0	56.0	55.1	55.5	14.5	14.4	14.7	16.0	16.0	16.4	16.6
MN	39.7	37.5	37.9	40.1	40.1	40.3	40.0	17.7	15.4	16.7	18.6	18.6	18.9	19.8
MO	38.7	40.4	40.4	44.0	44.0	42.9	43.7	16.2	17.1	18.1	21.4	21.4	20.3	22.8
MS	49.2	50.5	49.7	52.4	52.4	52.1	51.9	16.9	20.8	22.0	24.3	24.3	26.3	27.4
MT	41.4	38.5	40.1	42.4	42.4	42.2	44.8	11.9	10.1	11.3	12.8	12.8	13.5	15.4
NC	43.9	42.4	43.6	44.3	44.3	45.8	43.9	11.5	11.4	13.7	15.3	15.3	15.4	16.1
ND	49.2	51.5	51.3	50.2	50.2	51.3	51.6	17.3	17.9	17.5	20.6	20.6	19.7	21.9
NE	37.8	37.8	37.9	40.8	40.8	41.0	41.3	14.7	16.0	18.1	20.1	20.1	20.0	21.4
NH	46.1	47.3	47.0	50.0	50.0	51.9	53.4	13.2	14.1	17.5	16.3	16.3	19.5	18.9
NJ	40.5	41.5	39.7	40.8	40.8	41.9	41.0	12.7	13.0	13.1	14.6	14.6	14.8	15.1
NM	40.2	38.8	39.5	36.8	36.8	44.3	43.9	14.7	12.6	12.0	14.0	14.0	17.0	18.3
NV	42.2	41.3	44.8	39.6	39.6	39.4	37.9	16.8	16.9	17.0	16.9	16.9	16.3	16.6
NY	46.7	47.2	46.6	46.2	46.2	47.1	46.4	13.1	13.4	15.1	16.0	16.0	16.5	16.8
OH	47.9	48.7	50.2	50.8	50.8	49.7	47.6	23.8	25.5	27.3	28.7	28.7	28.8	28.2
OK	38.4	41.9	40.8	42.1	42.1	44.6	42.4	13.6	16.9	17.6	20.0	20.0	21.4	21.2
OR	48.7	50.3	50.7	47.4	47.4	47.1	45.5	13.3	14.7	14.4	15.8	15.8	15.0	15.4
PA	43.9	45.2	45.3	47.4	47.4	46.7	47.1	11.4	13.2	14.3	16.1	16.1	17.3	18.2
RI	45.1	43.0	45.4	45.8	45.8	46.1	47.3	13.1	11.4	12.9	15.2	15.2	14.5	16.4
SC	50.1	49.2	54.1	52.4	52.4	54.3	53.7	10.3	10.7	12.9	12.7	12.7	15.1	15.8
SD	47.6	47.8	48.0	50.2	50.2	50.3	47.7	16.4	18.7	18.7	22.5	22.5	23.6	23.5
TN	45.0	44.3	45.1	46.9	46.9	47.8	49.6	15.3	16.2	20.2	19.7	19.7	23.0	24.7
TX	39.5	39.9	40.7	42.2	42.2	41.6	41.8	16.0	16.6	18.5	22.1	22.1	23.4	25.2
UT	42.7	44.6	44.4	43.0	43.0	41.0	38.8	13.3	13.2	12.7	14.4	14.4	14.2	14.9
VA	43.8	43.7	43.6	44.1	44.1	44.5	43.5	13.0	14.3	15.8	16.1	16.1	15.3	14.4
VT	47.9	47.6	51.1	47.7	47.7	47.6	46.8	12.3	10.1	12.9	13.8	13.8	13.8	17.1
WA	53.7	53.7	53.6	53.5	53.5	54.4	51.4	13.8	13.8	15.4	15.7	15.7	15.3	18.7
WI	46.1	46.2	46.9	47.8	47.8	46.9	47.2	11.9	12.1	13.4	15.2	15.2	16.0	16.3
WV	49.0	50.7	48.2	44.9	44.9	49.8	48.9	20.6	25.2	23.8	22.2	22.2	25.2	24.9
WY	40.8	44.4	43.0	37.8	37.8	43.1	44.0	11.2	9.9	10.5	14.2	14.2	11.0	13.8
US	42.7	42.7	43.6	45.0	45.0	45.4	45.1	15.4	16.1	17.4	19.1	19.1	19.7	20.5

Pressure Sores and Skin Care

Pressure ulcers (or bedsores) are areas of the skin and underlying tissues which erode as a result of pressure or friction and/or lack of blood supply. The severity of the ulcer ranges from persistent skin redness (without a break in the skin) to large open lesions which can expose skin tissue and bone. Table 18 shows the percent of residents in facilities with pressure sores ranged from 7.1 to 7.6 percent in the 2000-2004 period and 7.1 percent in 2006. The percent ranged from 3.5 percent in North Dakota to 9.5 percent in Louisiana in 2006.

Special skin care is non-routine care according to a resident care plan or physician's order, usually designed to prevent or reduce pressure ulcers of the skin. In 2000, 62.4 percent and in 2006, 74.3 percent of nursing facilities reported providing special skin care to residents, ranging from 57.6 percent in Oklahoma to 86.1 percent in Nebraska (See Table 18). Thus, as expected, the rate of such care is higher than the percent of actual pressure sores reported by facilities.

% of Residents with Pressure Sores and Receiving Special Skin Care



**TABLE 18
PERCENT OF RESIDENTS
WITH PRESSURE SORES AND RECEIVING SPECIAL SKIN CARE**

State	Pressure Sores							Special Skin Care						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	6.5	7.3	6.6	7.6	8.2	5.1	3.8	71.6	84.0	67.3	81.6	85.0	89.8	78.4
AL	6.9	5.8	6.2	6.7	6.6	6.6	6.8	72.1	74.7	77.6	76.9	77.6	79.9	81.4
AR	8.1	8.2	7.0	8.3	7.2	6.9	6.8	63.2	68.9	70.4	75.3	75.6	81.6	77.1
AZ	8.2	8.4	7.2	6.8	7.8	7.9	7.4	58.3	66.1	67.3	64.5	63.4	70.5	72.3
CA	9.1	9.1	9.1	9.2	9.0	8.6	8.7	55.5	57.4	58.8	61.4	61.8	63.5	63.4
CO	6.0	5.8	5.6	6.1	6.5	5.5	5.5	60.4	66.3	68.3	69.6	71.7	75.5	77.5
CT	5.0	5.5	5.4	5.8	5.7	6.0	5.4	50.3	58.9	58.2	58.8	59.7	61.9	62.1
DC	12.4	10.9	12.6	8.5	9.9	10.0	9.4	74.1	71.4	71.4	58.3	80.8	83.9	76.2
DE	7.8	7.5	8.3	8.9	6.7	7.6	7.2	61.4	62.1	62.7	72.6	67.3	76.6	73.9
FL	8.1	8.2	7.9	8.1	7.9	7.7	7.4	69.7	70.9	73.4	73.7	76.2	77.9	80.0
GA	7.5	7.7	8.1	8.3	7.7	7.4	7.7	59.4	64.6	68.1	71.7	73.2	74.8	76.8
HI	5.2	8.0	5.3	7.8	8.4	7.0	6.9	62.9	71.9	67.9	73.2	72.5	68.7	79.9
IA	4.2	4.0	4.7	4.6	4.9	4.8	4.4	55.6	62.6	64.8	69.8	70.5	71.5	72.6
ID	5.1	5.3	5.9	5.3	4.8	5.1	5.7	66.5	65.5	72.1	70.2	73.5	76.3	79.2
IL	7.1	7.1	7.7	7.6	7.6	7.5	7.3	62.7	64.7	65.7	67.8	68.1	73.2	75.3
IN	7.2	7.9	7.4	7.6	7.9	7.6	7.3	62.4	65.3	70.0	69.5	71.4	69.1	72.4
KS	5.4	5.5	6.6	6.9	6.0	5.9	5.3	58.1	61.6	63.8	64.0	64.5	67.8	69.0
KY	8.4	8.1	9.0	8.4	8.5	8.8	7.7	63.3	66.9	69.9	71.4	70.0	74.5	74.1
LA	9.7	9.7	10.6	9.8	9.7	10.1	9.5	50.9	51.4	62.3	68.0	69.3	68.4	73.1
MA	6.1	6.2	6.2	6.4	6.1	6.2	6.1	70.1	69.1	72.0	74.2	75.1	76.2	75.2
MD	8.4	9.3	9.8	9.1	9.8	8.8	8.6	63.0	64.9	70.7	70.6	69.7	73.2	77.2
ME	6.2	6.2	7.5	7.8	8.1	7.8	7.3	65.4	69.9	71.2	69.3	70.0	78.1	76.1
MI	6.4	7.2	7.1	7.4	7.1	7.4	7.0	66.7	68.2	68.2	70.0	70.6	76.4	77.5
MN	4.0	4.0	4.4	4.7	4.8	4.7	4.3	57.8	64.1	63.9	66.4	68.3	70.7	76.3
MO	7.5	6.6	6.6	6.7	6.4	6.6	6.3	62.5	62.5	63.0	64.9	67.1	70.5	69.2
MS	8.1	7.3	7.4	7.2	7.5	7.8	7.7	73.3	75.1	75.9	79.0	81.2	79.7	81.5
MT	3.6	4.1	3.3	5.0	5.0	5.7	5.5	61.0	70.8	70.1	71.9	72.2	72.9	70.8
NC	8.6	8.5	8.9	8.7	8.7	9.0	8.3	66.6	71.8	75.3	75.2	73.3	76.5	76.0
ND	3.4	3.7	3.7	4.0	3.7	3.9	3.5	57.9	62.5	67.1	69.3	71.1	74.3	74.9
NE	4.1	4.8	4.6	4.6	4.2	4.3	4.3	68.0	74.6	79.5	80.6	83.7	84.2	86.1
NH	4.3	4.5	5.6	5.0	5.4	5.1	5.0	65.2	68.0	69.7	69.9	75.6	79.2	79.0
NJ	8.3	8.9	8.9	8.9	8.9	8.3	8.5	50.6	54.3	55.9	58.8	59.5	62.1	65.2
NM	7.9	8.3	7.8	7.8	7.9	7.1	7.4	60.6	57.4	61.3	69.9	66.3	70.7	77.3
NV	8.1	9.8	8.1	8.5	9.0	9.1	7.7	54.3	60.5	62.2	63.3	71.0	72.9	73.0
NY	7.0	7.5	7.8	8.1	8.2	8.4	8.1	61.9	64.8	68.4	69.0	70.5	72.7	72.4
OH	6.4	6.8	6.6	6.5	6.6	6.6	6.5	75.3	78.6	81.5	82.5	82.6	83.7	84.9
OK	9.9	8.8	9.0	8.6	8.7	8.4	8.4	47.8	50.8	52.6	51.4	55.6	57.6	57.6
OR	7.1	8.2	8.0	7.9	9.0	8.6	7.8	52.9	59.8	64.5	65.6	70.3	72.7	71.3
PA	8.5	8.5	8.6	8.8	8.7	8.3	7.9	65.5	70.4	73.0	77.3	78.4	80.0	82.9
RI	6.0	6.0	6.5	9.4	6.5	6.8	6.1	62.4	64.1	62.9	70.0	64.1	65.4	71.4
SC	8.4	8.9	8.5	9.3	9.2	9.3	8.6	68.9	69.3	73.0	77.5	75.5	78.8	79.7
SD	4.8	5.3	6.2	6.9	6.5	5.1	4.9	72.4	76.7	75.4	76.0	77.9	80.2	82.4
TN	8.1	7.8	7.0	8.2	7.9	7.6	7.4	64.4	66.6	71.0	74.4	72.7	74.2	75.5
TX	8.6	8.5	7.8	7.6	7.6	7.7	7.6	60.0	63.9	65.9	68.2	67.8	69.4	71.9
UT	5.9	6.8	6.0	7.2	9.2	6.5	6.8	52.4	53.8	65.7	70.7	76.1	78.4	76.7
VA	8.8	9.7	8.8	8.9	9.0	9.5	8.0	61.4	68.2	69.6	66.4	68.5	71.8	75.0
VT	5.7	5.0	4.6	5.8	5.3	6.5	5.6	74.7	75.3	80.5	79.1	82.2	82.2	79.6
WA	7.5	7.3	7.6	8.4	7.7	7.4	7.5	70.1	69.3	72.1	75.9	73.6	76.4	76.4
WI	5.0	5.7	5.3	5.7	5.6	5.6	5.5	57.0	58.8	63.5	64.4	65.0	68.0	69.3
WV	9.0	10.0	9.0	9.6	9.1	8.8	7.9	77.4	80.1	81.3	85.5	84.2	86.2	85.4
WY	5.8	4.2	8.6	5.5	6.0	5.9	7.7	46.2	58.9	57.6	62.0	69.9	71.4	61.4
US	7.1	7.3	7.4	7.4	7.6	7.4	7.1	62.4	65.7	68.0	69.9	70.7	72.9	74.3

Rehabilitation and Other Special Treatments

Rehabilitation services are provided under the direction of a rehabilitation professional (physical therapist, occupational therapist, etc.) to improve functional ability. In 2000, 16.7 percent of residents in nursing facilities received such services and this was 21.9 percent in 2006 (See Table 19). These services varied from 11.9 percent of residents in South Dakota to 33.7 percent in Utah in 2006. These trends may have been related to changes in the Medicare prospective payment system for nursing facilities.

Ostomy care includes special care for a skin opening to the intestinal and/or urinary tract such as a colostomy (opening to the colon). Such care was provided to 3.3 percent of nursing facility residents in 2000 and increased to 4.3 percent in 2006 (See Table 19).

**TABLE 19
PERCENT OF RESIDENTS
RECEIVING REHABILITATION AND OSTOMY CARE**

State	Rehabilitation							Ostomy Care						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	30.8	22.5	15.0	21.0	13.0	15.6	17.7	7.3	9.3	9.7	6.7	7.6	6.5	5.8
AL	14.8	14.7	15.6	16.1	17.2	18.7	19.0	7.9	7.4	7.6	7.2	6.6	6.8	6.5
AR	14.1	13.5	14.9	15.8	15.0	16.6	17.1	4.3	4.3	4.6	4.2	4.5	4.2	4.2
AZ	19.9	21.7	20.4	18.3	21.1	21.3	20.9	2.5	3.0	2.6	2.7	3.0	3.5	2.8
CA	15.5	16.2	17.7	18.7	19.0	19.8	21.3	4.8	5.8	6.0	6.5	6.9	7.2	7.2
CO	16.7	17.4	18.1	17.3	18.1	19.5	21.7	2.6	2.6	2.3	2.8	2.5	3.0	3.1
CT	14.7	15.0	16.1	17.3	18.6	20.3	20.5	2.1	2.1	2.3	2.2	2.1	2.2	2.1
DC	22.3	20.3	17.2	24.6	23.2	22.7	25.0	5.0	6.4	6.2	3.7	4.8	7.3	6.5
DE	19.7	18.6	22.1	22.0	24.1	19.9	23.0	2.4	2.5	3.2	4.2	3.5	3.8	3.7
FL	22.6	25.1	24.3	26.0	25.8	27.0	28.0	3.9	4.3	4.9	5.2	5.1	4.8	4.9
GA	13.7	12.9	13.6	14.9	16.5	16.9	17.3	3.2	3.8	5.0	5.2	5.4	5.1	5.5
HI	12.5	8.7	8.5	13.1	13.1	16.1	16.6	5.1	6.3	6.4	8.2	6.0	6.3	8.5
IA	13.3	12.7	11.6	12.5	12.6	12.5	13.4	2.3	2.5	2.3	2.7	2.5	2.8	2.9
ID	24.4	27.3	23.4	25.8	21.4	29.7	27.1	2.5	2.5	2.8	3.2	3.0	3.9	3.6
IL	17.4	18.2	18.8	19.8	20.8	21.3	22.0	3.8	3.8	3.9	3.7	4.1	3.8	4.0
IN	16.1	19.7	20.2	22.7	23.1	24.8	25.8	3.9	3.8	4.3	4.3	4.0	4.4	4.3
KS	13.2	13.7	13.1	13.4	12.7	13.9	14.8	2.2	2.4	2.3	2.3	2.4	2.3	2.5
KY	18.7	19.7	20.9	22.3	22.9	25.1	26.2	4.6	6.0	6.7	7.2	7.1	7.7	7.2
LA	15.4	16.4	16.3	18.7	19.9	21.2	22.5	4.4	4.5	5.0	6.0	6.4	6.9	6.6
MA	16.3	15.8	17.2	19.2	19.6	21.5	21.7	2.5	2.2	2.1	2.2	2.3	2.1	2.2
MD	20.5	20.0	21.7	20.8	22.7	23.0	24.4	3.0	3.4	3.6	3.4	3.4	3.0	3.4
ME	13.2	14.3	16.9	16.7	19.0	21.6	22.0	3.2	3.1	3.1	3.2	3.1	2.9	3.1
MI	14.7	16.1	18.7	18.9	20.5	22.0	22.8	2.7	2.8	3.0	3.0	3.2	3.2	3.0
MN	11.4	11.7	12.3	14.2	15.2	16.6	15.7	2.4	2.4	2.4	2.4	2.6	2.8	2.8
MO	17.7	18.0	19.1	19.9	19.4	19.9	20.6	2.5	2.5	2.7	2.8	2.5	2.6	2.9
MS	19.9	19.5	20.2	20.9	21.8	22.3	23.6	5.6	6.2	5.6	6.5	7.1	7.5	7.5
MT	16.3	13.6	16.2	15.4	13.5	16.3	13.8	1.9	2.0	2.6	2.7	2.1	2.7	2.3
NC	15.4	17.8	20.7	21.3	23.4	25.1	24.9	3.8	4.8	5.4	5.5	5.8	5.8	5.3
ND	10.9	10.6	9.6	10.6	12.6	12.6	12.5	3.1	3.1	3.1	2.9	2.9	3.6	3.2
NE	11.9	13.4	12.6	13.3	13.6	15.5	15.5	3.0	2.7	3.2	3.5	3.9	3.6	3.8
NH	15.8	15.4	17.9	17.1	19.9	21.0	21.6	2.2	2.0	2.1	1.9	1.9	1.8	2.1
NJ	18.1	18.8	19.8	21.7	22.5	23.7	25.0	3.3	3.8	3.7	4.0	3.8	3.9	4.1
NM	17.5	19.7	18.6	20.4	20.6	23.3	22.5	2.3	2.1	2.6	2.3	2.5	2.2	2.4
NV	20.5	21.3	21.3	23.4	21.4	24.0	21.8	4.2	4.2	5.1	5.4	5.9	6.8	5.2
NY	18.1	17.8	17.5	17.4	17.7	18.3	18.4	4.5	4.7	5.1	5.0	5.0	5.0	4.9
OH	16.3	19.5	20.1	22.6	23.7	24.8	25.6	5.7	5.7	5.9	5.5	5.5	5.8	5.7
OK	15.6	15.0	16.3	15.6	16.6	16.7	15.5	3.3	2.5	2.8	2.9	3.1	3.0	3.1
OR	13.8	15.9	17.6	18.1	20.5	22.1	23.6	2.6	2.9	2.1	2.8	3.1	3.2	3.5
PA	21.9	23.2	24.0	24.1	25.0	27.0	27.1	3.2	3.2	3.6	3.4	3.3	3.4	3.3
RI	11.3	13.1	13.8	16.4	16.4	18.7	18.1	2.5	2.4	2.1	2.5	2.3	2.3	2.2
SC	22.2	22.1	22.0	23.3	25.9	24.0	27.4	4.4	4.1	4.8	5.7	5.2	4.8	4.8
SD	9.7	9.6	10.2	10.4	10.2	9.1	11.9	2.7	2.9	2.9	2.9	3.2	2.9	2.9
TN	19.1	22.0	21.7	23.2	24.1	24.6	24.9	2.7	2.6	3.2	3.0	2.9	3.0	3.3
TX	15.4	17.3	17.3	17.7	17.8	19.3	20.5	2.8	3.0	3.4	3.8	3.7	4.1	4.3
UT	26.2	29.2	27.7	30.1	30.1	33.4	33.7	1.7	1.8	2.3	2.2	2.5	2.1	2.0
VA	18.2	19.9	21.5	23.1	23.6	25.1	24.0	4.5	5.2	5.1	5.5	5.9	5.5	5.6
VT	9.0	11.3	12.2	13.8	14.8	14.0	15.0	3.0	3.0	2.7	3.1	3.6	3.6	3.4
WA	18.4	19.6	21.1	22.9	25.3	24.0	25.6	3.7	3.7	3.8	3.8	4.5	4.4	4.3
WI	13.3	14.8	15.9	17.7	19.2	20.4	20.6	2.3	2.2	2.2	2.2	2.4	2.8	2.5
WV	18.9	21.5	23.3	26.1	25.9	26.0	27.4	6.7	6.9	7.0	6.6	5.8	5.9	5.5
WY	18.9	20.1	20.8	16.1	22.2	18.5	21.0	1.9	2.2	1.8	1.7	2.6	1.6	1.4
US	16.7	17.7	18.3	19.4	20.1	21.1	21.9	3.3	3.6	3.8	4.0	4.2	4.3	4.3

Injections and Intravenous Therapy

Injections are provided by facilities for a variety of medications. In 2000, 12.6 percent of residents in facilities were receiving injections compared with 18.8 percent in 2006 (See Table 20). The percent receiving injections ranged from 11.8 percent in Wyoming to 23.9 percent in Washington DC in 2006.

Intravenous therapy and/or blood transfusions are used to provide fluid, medications, nutritional substances, and blood products for residents. The percent of residents reported receiving such therapy in nursing facilities was 2.5 percent in 2000 and 2.3 percent in 2006, with a range of 0.7 to 5.8 (New Hampshire and West Virginia respectively).

**TABLE 20
PERCENT OF RESIDENTS
RECEIVING INJECTION AND INTRAVENOUS THERAPY**

State	Injections							Intravenous Therapy						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	11.6	14.9	9.1	11.5	11.4	14.0	16.7	1.4	6.2	1.9	3.6	3.3	4.6	3.3
AL	13.5	14.7	14.5	15.7	17.1	17.3	18.6	1.0	0.8	1.1	1.5	1.5	1.1	1.2
AR	11.7	12.4	13.8	13.7	14.4	15.7	16.7	2.4	3.5	3.0	3.3	1.9	2.6	2.7
AZ	14.0	15.0	13.4	13.9	16.3	17.6	20.0	4.3	5.0	3.6	3.5	3.4	2.5	3.3
CA	13.7	14.3	15.2	15.9	17.0	17.9	20.2	3.8	3.2	3.4	3.5	3.6	3.4	3.4
CO	9.9	10.8	11.3	11.6	13.0	15.0	15.8	2.0	1.8	1.8	2.0	1.8	1.3	1.8
CT	10.8	11.4	12.3	13.3	14.3	15.8	16.6	0.8	1.0	1.1	0.9	1.1	1.1	1.1
DC	16.5	18.0	14.6	15.3	15.8	18.0	23.9	0.8	0.9	3.4	1.6	0.8	1.8	1.8
DE	12.3	13.2	16.6	15.4	16.4	19.4	19.3	1.7	1.8	2.1	2.0	1.8	2.0	2.9
FL	13.3	14.3	14.9	16.7	17.9	20.0	21.1	2.6	2.8	2.5	2.6	2.3	2.2	2.2
GA	13.5	14.2	15.9	16.6	17.7	18.3	19.8	1.3	1.3	1.4	1.8	1.7	1.7	1.7
HI	10.8	12.3	11.7	12.7	13.5	16.4	16.0	4.0	3.9	4.0	6.1	6.7	5.7	3.1
IA	10.3	10.9	11.8	12.1	13.3	13.7	14.8	1.6	1.6	2.0	1.5	2.0	2.0	2.5
ID	14.3	16.3	14.3	16.4	17.2	19.1	19.4	1.9	2.3	2.8	2.3	1.6	3.3	3.6
IL	14.0	13.8	14.1	15.1	16.0	17.5	18.6	2.7	2.6	2.1	2.2	2.7	2.8	2.3
IN	13.1	14.5	15.7	16.4	17.8	18.7	20.9	2.7	3.0	2.6	2.9	2.7	2.3	2.7
KS	10.7	11.2	11.6	12.6	12.5	14.2	15.4	1.9	2.6	1.8	1.8	2.0	1.7	1.5
KY	14.7	14.9	17.3	17.9	18.6	20.1	21.3	4.2	2.8	3.3	3.8	3.5	3.3	3.7
LA	14.7	14.8	15.6	16.2	17.1	17.6	18.1	6.0	7.0	5.0	4.7	4.8	4.8	3.9
MA	10.9	11.7	12.5	13.4	13.2	14.1	14.8	1.8	1.3	1.4	1.6	1.6	1.4	1.5
MD	14.8	15.5	16.7	17.5	18.4	20.8	23.8	3.9	3.6	3.1	3.4	3.6	2.6	4.0
ME	11.9	11.0	13.2	14.2	14.6	15.9	17.2	1.2	0.9	1.0	1.7	0.5	1.1	1.1
MI	11.7	12.7	13.9	14.8	15.5	17.1	18.2	0.7	0.9	1.0	1.2	1.4	1.5	1.8
MN	11.2	11.7	12.2	13.8	14.4	16.1	16.9	0.7	0.6	0.9	1.0	1.3	1.6	1.6
MO	13.5	13.3	14.1	14.6	16.5	16.6	18.2	4.3	3.0	2.9	3.0	2.0	2.1	2.3
MS	15.7	16.3	16.7	18.4	18.9	19.9	21.0	4.2	3.1	2.0	2.7	2.1	1.9	2.1
MT	14.0	14.2	14.2	14.0	17.5	15.7	16.1	1.8	1.0	1.9	3.3	2.9	2.6	3.0
NC	14.9	16.1	18.7	17.9	19.1	21.6	23.0	1.5	2.0	2.2	1.8	1.7	2.2	2.2
ND	12.3	12.3	12.6	15.2	17.1	16.2	17.5	2.2	1.9	1.9	1.3	2.1	2.2	2.9
NE	11.0	11.0	11.9	12.1	13.4	14.1	13.8	1.6	1.6	1.4	1.5	1.7	0.9	1.8
NH	9.3	9.9	11.3	11.3	12.0	14.5	14.4	0.6	0.5	1.3	0.6	2.3	0.7	0.7
NJ	10.1	11.6	12.2	13.4	15.0	16.3	17.5	1.2	1.3	1.8	1.6	1.9	1.7	1.6
NM	13.2	14.3	13.4	13.9	17.2	16.3	17.8	2.0	2.4	3.0	2.7	4.8	2.3	2.3
NV	16.7	16.2	15.8	15.3	18.3	20.7	18.2	2.0	5.3	6.1	4.6	4.1	5.0	3.5
NY	10.9	11.6	12.7	14.4	14.6	15.7	16.8	0.7	0.8	0.8	0.9	0.9	1.0	1.3
OH	14.9	16.2	16.3	17.9	19.7	21.1	21.4	2.5	2.8	2.4	2.6	2.2	2.5	2.7
OK	10.2	12.4	11.3	12.3	13.5	15.0	15.4	3.5	2.9	2.9	2.8	2.2	2.0	2.1
OR	12.6	13.2	14.2	14.0	16.1	16.8	18.5	1.5	2.3	1.4	1.5	1.5	2.2	2.2
PA	14.6	15.0	16.4	17.7	18.4	19.8	20.7	3.2	2.9	2.9	2.8	2.9	3.1	2.6
RI	11.4	10.3	11.9	15.4	14.1	16.0	15.8	1.0	1.5	1.8	1.6	2.0	1.5	1.2
SC	13.8	14.2	14.9	14.7	15.7	16.5	17.7	2.5	2.0	2.4	2.3	3.2	2.3	1.9
SD	11.3	13.2	12.0	12.7	14.2	14.0	16.2	0.8	1.3	1.6	1.5	1.7	1.3	1.1
TN	14.0	15.2	16.1	17.5	19.2	21.6	21.4	3.5	2.9	3.0	3.3	3.3	2.7	2.4
TX	12.8	14.2	14.2	15.2	16.0	17.5	18.4	3.3	3.0	2.4	2.4	2.4	1.9	2.1
UT	12.7	14.8	15.8	16.1	17.0	19.9	18.9	3.6	3.2	4.1	4.1	3.5	4.5	4.2
VA	13.6	14.0	14.7	16.2	18.6	19.8	20.1	1.8	2.0	1.9	1.8	2.0	2.4	2.1
VT	10.4	12.4	10.3	11.9	13.2	14.2	14.2	1.4	0.9	0.7	0.9	0.8	1.1	1.5
WA	15.5	15.2	17.1	19.2	20.0	19.7	22.0	2.7	3.2	2.9	3.3	3.3	2.6	2.4
WI	10.7	11.5	12.3	13.3	14.9	15.7	16.2	0.8	1.1	1.1	1.2	1.5	1.5	1.4
WV	13.7	14.8	16.5	19.1	20.4	23.1	22.7	6.9	6.4	5.0	5.8	6.8	4.7	5.8
WY	13.7	10.9	10.7	10.2	11.8	13.3	11.8	2.6	1.3	0.9	2.2	6.1	2.1	2.2
US	12.6	12.9	13.7	14.4	15.4	16.7	18.8	2.5	2.4	2.3	2.4	2.4	2.3	2.3

Tube Feeding

Tube feedings are sometimes used to provide nutritional substances to residents into the gastrointestinal system. Table 21 shows that in 2000, 7.0 percent of residents were receiving tube feedings compared with 5.8 percent in 2006. The percent varied from 1.0 percent in Wyoming to 12.5 percent in Hawaii in 2006.

Respiratory Therapy

Respiratory treatment is provided for respirators/ ventilators, oxygen, inhalation therapy, and other treatment. In 2000, 9.1 percent of facility residents received treatment compared to 13.2 percent in 2006 (See Table 21). Wyoming reported 31.8 percent of residents receiving respiratory treatment compared to 5.6 percent in Hawaii in 2006.

**TABLE 21
PERCENT OF RESIDENTS
RECEIVING TUBE FEEDING AND RESPIRATORY TREATMENT**

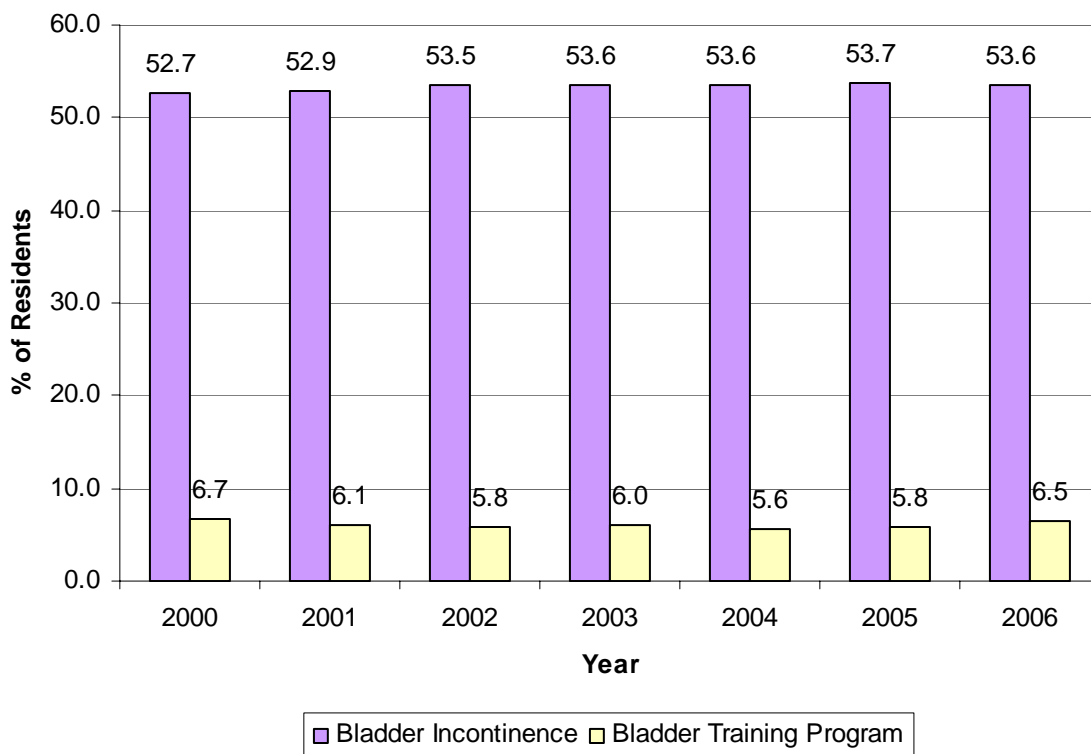
State	Tube Feeding							Respiratory Treatment						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	7.5	9.2	9.2	9.6	8.3	7.3	5.8	6.6	9.4	10.3	17.9	11.9	11.2	6.7
AL	13.4	13.2	12.0	11.9	11.3	11.0	10.1	7.4	8.1	9.0	9.3	10.6	12.8	13.4
AR	6.5	6.6	6.7	6.6	6.3	6.1	5.9	8.8	9.4	9.2	10.1	9.8	11.3	11.3
AZ	4.9	4.7	3.9	3.9	4.6	4.7	3.6	11.2	11.4	12.1	12.1	12.8	13.7	14.2
CA	12.8	12.2	12.1	12.5	12.0	12.2	12.1	9.5	9.2	10.1	11.4	11.7	12.4	12.8
CO	3.4	3.2	3.5	3.1	3.2	3.1	3.0	18.6	19.4	19.3	22.2	24.6	25.9	26.8
CT	4.4	4.2	4.0	4.2	3.6	3.3	3.2	8.1	7.9	8.8	9.3	10.0	10.5	11.3
DC	12.7	12.3	11.5	9.0	9.3	9.4	9.2	9.2	6.4	6.5	8.0	6.9	6.5	7.9
DE	8.7	7.4	7.2	7.4	7.2	7.9	6.8	7.3	8.6	10.6	10.7	12.7	12.2	14.6
FL	8.7	8.7	8.2	7.8	7.6	6.9	7.2	9.7	11.0	11.4	12.3	13.3	14.0	15.1
GA	9.4	8.7	8.5	8.3	8.0	7.6	7.6	6.7	7.6	8.1	9.1	10.0	10.3	11.6
HI	13.7	15.2	16.4	14.4	15.8	12.3	12.5	4.5	6.4	8.0	7.9	7.0	5.9	5.6
IA	2.8	2.5	2.5	2.2	2.3	2.2	2.3	7.8	8.9	9.4	10.7	10.9	11.5	12.7
ID	3.3	2.8	2.4	3.2	2.5	3.5	2.7	13.0	16.6	17.9	18.4	18.8	22.7	23.7
IL	4.8	4.6	4.4	4.4	4.4	4.2	4.3	6.9	7.4	8.1	8.9	9.5	10.4	10.6
IN	6.1	5.5	5.3	5.2	5.3	4.8	4.8	9.2	10.5	11.1	12.4	12.5	12.6	13.8
KS	2.5	2.4	2.2	2.3	2.1	2.1	2.1	9.6	9.5	10.2	10.9	11.2	12.1	12.5
KY	11.1	10.7	10.2	9.6	9.3	8.8	8.3	12.1	13.0	14.6	15.6	16.2	17.3	17.3
LA	10.4	10.5	10.1	9.5	8.9	8.8	8.2	9.6	9.4	9.5	9.2	8.7	8.7	8.7
MA	4.1	3.9	4.0	3.7	3.6	3.3	3.3	8.8	8.5	9.4	10.7	10.5	10.9	10.3
MD	9.9	8.8	9.3	8.5	8.5	7.8	7.7	8.7	8.7	9.9	10.4	11.9	11.0	12.3
ME	3.0	2.9	3.4	2.8	2.6	2.5	2.3	8.8	8.6	8.9	10.1	12.5	12.2	11.5
MI	5.5	5.2	5.0	5.1	5.0	5.1	5.0	6.8	7.8	8.5	9.4	10.1	11.0	11.8
MN	2.1	2.2	2.0	2.0	2.0	2.0	2.2	8.7	9.7	9.8	10.6	11.7	12.0	11.3
MO	5.1	4.5	4.5	4.2	4.0	3.7	3.5	9.8	9.3	10.3	10.7	11.3	12.5	12.9
MS	9.7	10.8	10.4	10.5	10.4	9.7	9.8	8.5	7.6	9.3	9.1	9.7	10.1	10.6
MT	2.3	2.3	2.4	2.1	2.2	2.7	2.2	12.9	12.5	12.4	16.0	17.9	17.9	17.7
NC	10.3	10.5	9.7	9.0	8.7	8.7	7.9	8.3	9.3	11.2	11.9	12.6	13.3	13.2
ND	2.7	2.6	2.6	2.4	2.1	2.2	1.6	8.5	9.0	9.8	10.0	11.6	13.4	14.0
NE	2.9	2.7	2.7	2.7	2.7	2.6	2.7	9.3	10.1	10.7	11.4	12.4	13.1	14.0
NH	2.1	1.8	1.9	1.7	1.8	1.9	2.0	7.6	8.8	8.5	9.6	12.2	10.6	11.4
NJ	8.2	8.0	7.7	7.7	7.1	6.9	6.9	7.0	7.5	7.9	9.6	10.1	10.8	10.5
NM	4.6	3.7	3.8	3.9	2.7	3.0	2.9	12.9	13.3	15.8	19.1	21.3	24.1	24.0
NV	7.1	9.9	8.4	9.2	7.4	7.9	7.8	12.0	13.5	10.6	16.1	18.1	18.2	20.1
NY	7.9	7.6	7.7	7.5	7.5	7.2	7.0	7.3	8.1	8.8	9.8	10.5	10.9	11.5
OH	7.8	7.2	6.8	6.3	5.9	5.9	5.6	10.5	11.5	12.3	13.4	14.2	15.2	15.7
OK	6.7	6.8	6.3	5.6	5.6	5.4	5.3	8.9	8.9	9.9	10.3	12.2	13.4	13.5
OR	4.7	4.7	3.3	4.2	4.3	3.9	4.3	6.5	7.8	8.9	8.2	9.6	10.6	9.8
PA	6.7	6.3	6.1	5.8	5.7	5.3	4.9	11.7	11.9	13.6	14.6	15.0	15.5	15.7
RI	3.5	3.4	3.8	3.5	2.7	2.7	2.7	5.2	5.7	6.7	7.4	7.5	8.4	8.5
SC	10.4	10.0	10.1	9.5	8.8	8.9	7.6	6.4	7.2	7.8	8.8	9.7	10.7	11.3
SD	2.2	2.3	2.1	2.1	2.0	1.9	1.9	8.6	8.5	10.4	10.7	12.1	12.6	13.4
TN	8.8	8.2	7.7	7.8	7.1	6.6	6.4	9.2	10.2	11.3	11.7	12.8	13.4	13.7
TX	8.2	8.1	7.9	7.6	7.4	7.3	7.0	8.9	9.2	9.9	10.5	10.5	11.2	11.9
UT	2.9	3.1	3.0	2.3	2.5	2.3	2.6	12.5	15.0	14.8	18.6	20.4	24.6	25.1
VA	9.4	8.8	8.6	7.5	7.5	6.9	6.5	10.9	10.7	11.7	13.2	13.5	15.1	14.6
VT	3.0	2.3	2.3	1.9	2.2	2.1	2.4	6.5	7.2	8.4	9.8	10.1	10.6	11.4
WA	5.6	5.1	5.3	5.0	4.8	4.9	4.8	9.0	9.6	10.2	11.5	11.5	13.2	13.4
WI	2.6	2.6	2.5	2.4	2.6	2.7	2.7	8.2	8.4	9.2	9.9	10.7	10.9	11.7
WV	7.2	6.6	6.4	5.7	5.8	5.4	4.8	13.1	14.7	14.8	14.5	14.9	16.8	15.5
WY	0.9	2.6	1.6	1.3	2.2	1.6	1.0	16.6	18.0	21.7	23.8	24.2	24.2	31.8
US	7.0	6.8	6.6	6.5	6.2	6.0	5.8	9.1	9.7	10.4	11.4	12.0	12.7	13.2

Urinary Incontinence and Bladder Training

Bladder or urinary incontinence more often than one time a week is a common problem in nursing facility residents. Table 22 shows that 52.7 percent of all residents were reported to have this problem in 2000 compared with 53.6 percent in 2006. This percentage ranged from 45.7 percent in Illinois to 66.5 percent in Maine in 2006.

Bladder training programs are designed to assist residents to gain control and maintain bladder control (such as by pelvic exercises or frequently toileting). Table 22 shows that the percent of residents with training programs in the U.S. ranged from 6.7 percent (in 2000) to 6.5 percent (in 2006). In 2006, the percent of facilities with toileting programs varied from 1.4 percent in Missouri to 26.7 percent in Maine. The discrepancy between the high percentage of residents with incontinence problems and the low percentage of training programs is notable.

% of Residents with Bladder Incontinence & in Training Programs



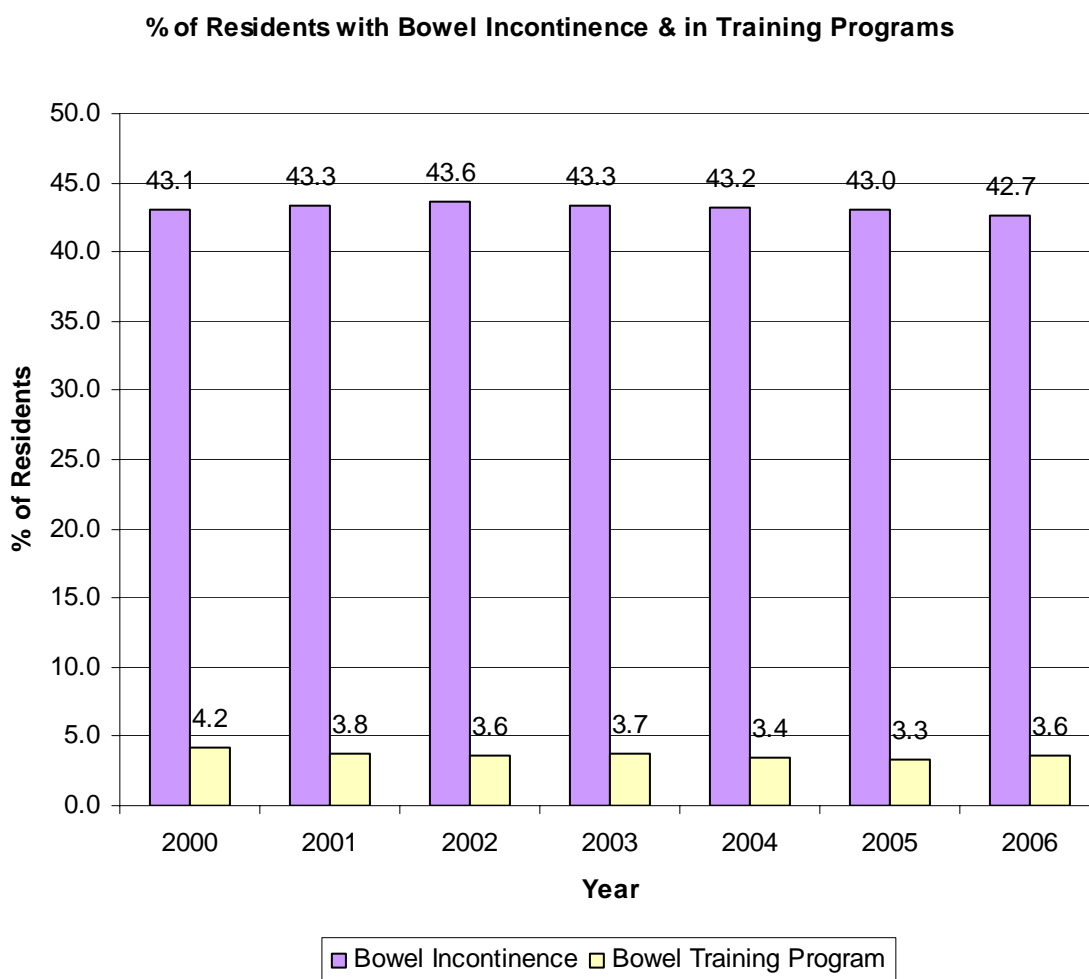
**TABLE 22
PERCENT OF RESIDENTS
WITH BLADDER INCONTINENCE & IN BLADDER TRAINING PROGRAM**

State	Bladder Incontinence							Bladder Training Program						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	57.5	52.4	56.6	56.9	59.2	60.6	55.3	2.2	5.4	0.3	9.8	7.1	1.9	8.4
AL	56.1	55.6	55.7	55.2	55.7	55.4	56.6	12.4	9.7	9.0	8.8	7.2	7.3	8.9
AR	51.7	51.3	50.7	49.9	50.9	50.8	51.9	4.9	4.5	3.6	3.6	4.0	3.7	3.8
AZ	49.1	49.8	52.1	52.4	52.8	50.5	50.5	2.8	3.7	3.2	2.6	2.3	2.8	2.2
CA	52.3	52.5	52.4	51.8	51.6	52.0	50.8	3.6	3.3	3.1	2.8	2.6	2.7	3.2
CO	49.1	48.4	49.2	50.2	50.5	50.0	49.9	3.5	4.1	4.5	3.5	3.8	3.7	4.8
CT	52.8	52.3	52.8	52.2	53.8	52.3	51.6	4.8	4.1	4.3	4.7	3.3	3.7	5.8
DC	67.3	58.5	62.1	55.6	57.7	59.3	61.7	5.6	7.4	7.4	7.5	6.3	2.0	3.9
DE	54.6	57.4	56.2	60.2	58.9	61.0	58.2	15.0	14.5	10.1	7.4	11.7	13.8	14.5
FL	51.5	51.9	52.8	52.9	53.2	52.8	53.6	8.6	7.3	7.5	7.2	6.7	6.2	7.1
GA	56.5	58.1	59.0	59.6	60.2	60.8	60.0	5.1	3.9	4.0	4.3	5.7	5.2	5.9
HI	63.5	65.9	63.0	62.9	58.9	58.6	65.2	6.1	6.7	4.6	8.8	4.0	5.7	4.7
IA	50.1	51.0	52.0	52.9	53.5	53.4	53.5	3.5	2.7	3.1	2.7	1.8	1.7	2.3
ID	53.8	53.4	54.7	54.0	57.8	55.8	54.7	13.6	7.2	5.5	6.5	5.3	8.3	9.6
IL	44.0	44.9	45.5	45.6	45.1	45.4	45.7	4.5	4.0	3.5	3.6	3.2	3.3	4.7
IN	49.2	47.5	49.8	48.5	50.0	50.3	50.0	8.1	7.7	8.0	9.9	8.7	8.9	8.0
KS	50.7	52.8	52.8	53.4	53.6	54.3	52.2	6.1	4.5	5.5	3.7	4.9	4.1	10.2
KY	56.4	55.0	55.5	54.6	54.9	55.1	55.3	4.4	5.1	5.7	6.3	6.9	7.3	8.1
LA	43.0	43.1	46.4	48.5	47.6	47.5	47.8	4.1	3.7	3.5	2.7	1.8	1.6	1.8
MA	54.9	56.2	55.2	56.7	56.8	56.7	56.5	4.5	3.8	4.0	4.1	3.4	3.9	4.4
MD	59.9	59.1	61.5	62.9	60.7	61.5	61.8	6.7	6.6	7.2	6.9	7.7	8.3	6.9
ME	65.1	67.4	65.5	65.5	66.5	65.8	66.5	16.8	17.3	12.7	15.3	18.0	17.5	26.7
MI	53.0	54.1	54.2	53.6	51.5	52.8	51.8	9.5	9.7	8.3	9.2	7.4	8.1	8.1
MN	56.8	57.0	56.6	56.4	56.1	56.8	56.1	11.0	9.9	8.1	8.0	7.1	7.3	9.3
MO	49.1	48.1	49.2	48.9	49.9	48.2	48.7	6.5	5.7	6.8	6.2	5.1	5.1	5.5
MS	50.8	51.2	52.5	50.9	53.0	51.8	53.2	2.9	3.5	1.5	1.3	1.4	1.5	1.4
MT	49.3	48.6	50.0	49.9	52.7	51.2	51.9	7.9	7.9	4.7	5.7	6.2	4.1	3.9
NC	57.0	57.8	57.1	57.3	56.4	57.7	57.2	7.1	5.8	5.4	5.1	5.5	6.3	5.2
ND	52.1	53.3	53.7	53.7	53.3	53.5	55.1	3.9	3.5	4.5	4.4	4.0	5.5	3.8
NE	49.9	51.0	54.2	55.0	53.9	55.2	54.5	7.5	7.0	6.0	7.1	6.4	5.5	4.7
NH	54.1	57.0	52.8	54.6	54.0	54.7	54.5	11.4	14.5	15.2	15.8	17.9	13.4	19.2
NJ	51.4	53.4	52.9	52.2	51.1	50.8	51.2	5.0	4.9	4.5	4.6	5.0	5.1	4.5
NM	49.4	46.9	50.6	50.0	46.2	52.8	53.8	3.6	5.2	2.7	3.4	1.0	4.5	2.4
NV	51.3	50.2	53.0	51.9	52.3	54.0	50.1	6.6	3.5	2.7	8.3	6.8	8.0	4.6
NY	62.7	62.0	61.1	60.2	60.1	59.8	59.8	5.3	5.0	4.8	5.2	5.3	5.0	5.2
OH	50.8	50.5	51.3	50.4	50.4	50.2	50.6	11.4	10.7	10.3	10.2	9.5	9.8	9.8
OK	45.2	47.4	47.4	47.9	47.7	49.3	50.7	4.7	4.2	3.7	3.7	2.9	4.4	5.2
OR	59.7	59.6	59.0	58.6	59.5	55.2	54.0	5.2	4.5	3.8	3.1	2.3	3.4	5.8
PA	56.6	57.4	57.6	58.1	58.4	58.2	58.9	10.4	10.4	11.1	11.8	12.9	13.1	14.2
RI	53.0	51.1	50.6	48.5	50.6	52.9	53.1	7.0	4.2	2.5	5.0	2.5	3.9	3.2
SC	57.8	59.2	60.5	61.7	60.9	63.9	63.1	3.3	2.2	3.5	3.1	1.9	2.6	3.4
SD	52.2	52.7	52.6	53.4	56.7	56.3	56.3	6.3	4.5	4.3	4.2	2.5	1.0	2.3
TN	53.4	53.6	54.9	55.5	55.2	55.4	56.7	7.2	6.7	5.0	6.2	5.7	5.0	5.8
TX	50.6	51.7	53.5	53.1	53.4	52.7	53.4	3.9	3.3	3.9	5.3	4.9	5.0	4.8
UT	48.5	50.8	50.2	52.9	52.5	51.2	48.9	8.7	7.4	6.2	3.8	3.1	8.2	8.1
VA	63.2	62.9	62.9	61.3	62.2	60.2	59.9	7.6	5.6	6.2	7.3	6.4	5.9	7.0
VT	63.9	63.0	62.6	62.6	64.0	63.2	62.1	13.7	9.3	7.6	8.5	13.9	18.9	19.1
WA	59.1	58.5	58.1	59.3	57.4	58.7	57.0	5.5	3.8	3.2	4.5	2.1	2.9	4.1
WI	50.0	50.0	51.0	51.2	50.7	50.6	51.0	12.4	12.7	12.0	11.8	7.7	9.8	13.5
WV	51.0	49.8	52.9	52.8	55.9	56.4	55.7	2.8	3.3	1.6	1.2	2.1	2.5	5.0
WY	44.8	41.9	42.1	45.5	43.6	47.9	46.7	26.0	23.1	21.5	13.8	16.4	16.9	17.4
US	52.7	52.9	53.5	53.6	53.6	53.7	53.6	6.7	6.1	5.8	6.0	5.6	5.8	6.5

Bowel Incontinence and Bowel Training

Bowel incontinence more often than one time a week was also a common problem of nursing facility residents. The prevalence of this problem ranged from 43.1 percent in 2000 to 42.7 percent in 2006 in the U.S (Table 23). The percent varied from 28.7 percent in Iowa to 57.2 percent in Hawaii in 2006.

Bowel training programs are also designed to assist residents to gain and maintain bowel control through the use of diet, fluids, and regular schedules. In the 2000-2006 period, 4.2 to 3.3 percent of residents in nursing facilities had such programs in the U.S (See Table 23). There was also a large discrepancy between the percent of residents with bowel incontinence and the percent of residents who were in training programs.

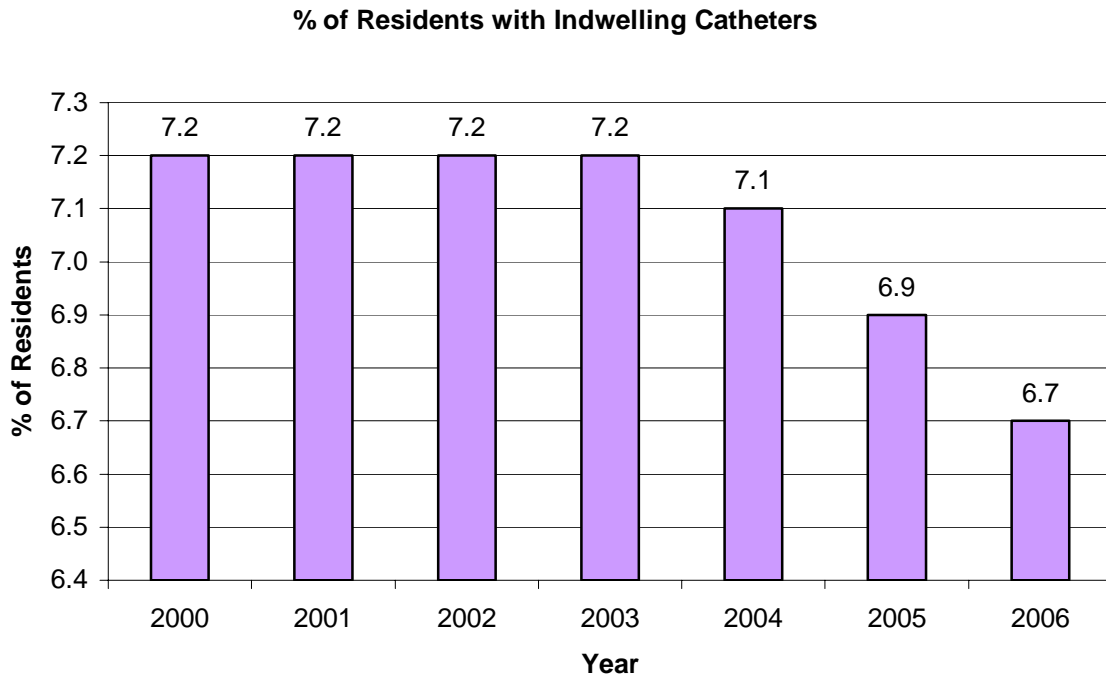


**TABLE 23
PERCENT OF RESIDENTS
WITH BOWEL INCONTINENCE & IN BOWEL TRAINING PROGRAM**

State	Bowel Incontinence							Bowel Training Program						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	38.2	36.1	40.1	42.9	47.3	51.8	37.0	4.4	7.7	6.6	6.5	5.1	2.7	2.3
AL	49.6	49.5	49.7	49.0	49.3	48.5	49.8	8.8	7.4	6.2	5.8	5.5	4.2	5.0
AR	45.6	45.5	45.7	43.3	44.7	44.5	43.5	4.1	4.1	3.1	2.9	3.4	2.5	2.8
AZ	44.8	43.2	44.4	45.5	44.9	45.1	45.3	2.2	3.8	2.5	2.0	1.6	1.7	2.4
CA	47.5	48.4	47.8	47.5	47.1	47.7	46.9	2.4	2.1	2.2	1.7	1.9	1.7	1.9
CO	37.8	38.0	37.8	38.0	37.3	37.2	35.8	2.1	3.0	4.0	2.0	2.3	2.0	2.9
CT	41.0	40.1	40.3	39.9	41.5	40.4	39.1	2.3	2.8	1.8	2.3	1.1	2.1	2.9
DC	57.6	52.6	54.3	49.5	50.6	51.1	53.4	3.6	9.8	5.4	7.4	3.9	1.8	2.2
DE	46.3	49.7	48.4	49.5	48.7	48.8	45.9	7.6	11.8	2.6	2.1	4.7	8.5	7.4
FL	45.9	46.5	47.4	46.7	47.4	47.2	48.3	5.5	4.9	5.0	4.9	5.1	4.2	5.2
GA	51.9	52.5	53.4	53.3	53.9	54.0	53.6	4.1	2.7	3.1	3.4	3.9	3.6	4.0
HI	53.0	57.0	53.3	55.7	54.4	52.2	57.2	7.2	5.9	2.4	6.8	6.4	3.9	5.7
IA	29.4	30.2	30.2	29.6	29.3	29.2	28.7	2.9	2.3	1.9	1.8	1.0	1.0	1.4
ID	34.6	34.5	36.6	37.8	39.1	37.8	33.4	9.6	3.2	4.1	2.7	1.8	2.8	4.3
IL	32.6	33.6	33.6	33.4	33.4	33.4	32.9	2.5	2.1	1.6	1.8	1.6	2.0	2.0
IN	38.7	38.1	40.0	38.2	39.7	39.1	39.2	3.7	4.6	4.4	5.6	4.1	4.1	3.4
KS	35.1	36.0	36.0	36.3	35.6	35.5	33.8	3.9	2.5	3.4	2.0	2.4	2.3	4.0
KY	50.7	49.5	50.1	47.9	47.8	47.8	46.9	2.9	3.7	4.4	4.4	4.3	4.4	5.2
LA	41.7	43.1	43.4	46.1	46.1	45.9	45.5	2.9	2.6	2.7	2.0	1.1	0.9	0.8
MA	44.0	44.7	44.5	45.0	45.8	45.2	44.8	1.4	1.0	1.3	1.6	0.8	1.3	1.3
MD	52.4	51.6	54.2	53.2	53.2	53.0	53.0	4.5	4.5	5.0	5.1	5.8	6.6	6.2
ME	46.3	48.5	47.9	46.3	45.6	46.5	45.0	11.7	10.9	6.9	12.1	11.1	10.2	12.7
MI	40.6	40.5	40.8	41.3	39.5	39.7	38.8	6.0	5.7	5.1	4.7	4.1	4.4	4.5
MN	38.8	37.9	37.2	36.4	36.0	34.5	33.2	13.4	11.7	11.5	10.2	10.4	9.1	10.0
MO	40.1	38.3	39.1	39.1	39.1	37.1	37.4	4.8	4.6	5.2	4.6	4.4	3.8	4.2
MS	46.3	46.1	48.1	46.5	49.0	48.3	48.1	1.6	2.4	1.1	0.8	0.9	0.6	1.0
MT	32.2	28.8	30.2	30.5	31.4	31.8	32.3	5.2	4.9	2.2	2.3	2.7	1.7	2.2
NC	53.1	53.6	52.1	51.6	51.1	52.8	52.4	4.4	3.0	2.9	3.2	3.7	3.9	2.9
ND	30.7	28.7	29.2	29.8	29.8	30.4	30.3	2.5	1.4	2.1	2.0	2.0	2.2	2.5
NE	30.1	30.1	32.8	31.7	30.6	30.7	29.7	6.3	5.8	6.8	5.9	5.5	4.0	5.1
NH	32.5	32.0	32.5	31.5	31.0	30.4	31.9	6.8	5.7	6.8	7.7	8.4	5.2	10.4
NJ	43.0	45.8	45.0	44.5	43.5	41.9	42.9	3.3	3.1	3.4	4.2	4.0	3.5	2.9
NM	43.5	42.0	42.7	41.8	41.0	44.4	45.5	3.2	3.4	2.0	2.2	0.5	2.5	2.3
NV	45.9	44.9	46.7	47.1	44.2	49.7	46.2	6.0	2.7	3.8	6.3	5.8	6.7	2.5
NY	50.8	50.7	50.2	49.1	49.2	49.2	48.7	1.8	1.9	2.0	1.7	2.0	2.1	1.8
OH	39.6	38.5	39.2	38.0	37.6	37.5	37.6	4.5	4.3	3.5	3.8	3.2	3.3	3.2
OK	39.7	41.6	41.1	41.2	40.8	41.3	42.5	3.6	3.3	2.9	2.7	1.9	3.2	3.6
OR	48.3	49.0	46.9	47.3	50.7	46.1	43.7	3.6	3.1	1.8	1.8	1.5	2.3	4.7
PA	47.1	47.7	47.0	47.4	47.5	46.8	46.3	6.7	6.4	6.6	6.7	6.5	6.5	6.6
RI	35.1	36.8	37.5	33.2	36.5	37.5	37.6	2.4	2.2	0.8	2.2	1.0	1.1	1.3
SC	54.6	55.5	55.5	57.6	55.8	59.0	56.7	2.1	1.3	2.0	1.8	1.3	1.6	2.5
SD	32.0	30.6	29.2	29.2	32.5	30.8	30.3	5.0	2.7	2.9	1.6	2.4	0.5	1.0
TN	50.1	49.8	50.6	50.9	50.7	49.8	50.2	5.7	5.4	3.1	3.8	4.2	3.3	3.5
TX	47.0	48.0	49.2	47.9	47.5	47.0	47.3	2.4	1.6	2.3	2.9	2.7	2.4	2.4
UT	38.1	42.0	39.9	39.2	38.6	35.6	36.2	6.9	4.8	4.1	2.6	2.8	4.8	6.2
VA	56.1	56.5	57.1	54.4	54.8	53.2	53.1	5.8	4.4	5.6	6.0	5.2	4.7	5.2
VT	40.6	42.3	43.3	40.0	42.3	42.9	43.9	12.5	9.7	7.2	5.6	12.7	16.3	17.4
WA	45.9	47.4	46.2	45.4	44.7	44.9	44.1	3.4	2.2	1.8	2.9	1.6	2.0	2.6
WI	33.0	32.3	32.6	33.0	32.1	31.6	31.2	5.7	7.2	6.4	6.3	4.4	4.7	5.8
WV	45.1	43.9	47.5	47.2	48.3	48.1	48.0	2.4	1.9	1.0	0.7	0.9	1.6	2.1
WY	27.5	28.9	28.1	28.2	31.3	29.6	29.0	12.2	16.9	15.6	11.1	16.6	13.9	11.0
US	43.1	43.3	43.6	43.3	43.2	43.0	42.7	4.2	3.8	3.6	3.7	3.4	3.3	3.6

Catheters

Indwelling catheters are tubes used to drain urine from the bladder. In 2000, about 7.2 percent of facility residents were reported to be using catheters and this declined to 6.7 percent in 2006 (See Table 24).



**TABLE 24
PERCENTAGE OF RESIDENTS
WITH INDWELLING CATHETERS**

State	2000	2001	2002	2003	2004	2005	2006
AK	6.6	12.1	7.6	9.1	8.5	7.3	6.6
AL	5.5	5.3	5.7	5.7	5.7	5.5	5.4
AR	7.7	8.8	7.4	8.1	7.4	7.6	6.8
AZ	9.2	9.9	8.2	9.5	9.1	8.5	8.6
CA	8.7	8.6	9.0	8.8	8.7	8.6	8.4
CO	8.2	7.9	7.9	8.4	8.9	8.3	9.1
CT	4.1	4.3	4.8	4.6	4.6	4.5	4.3
DC	5.6	5.4	4.6	3.7	4.5	5.3	3.5
DE	6.0	5.5	4.5	5.1	4.5	5.5	5.1
FL	7.3	7.1	7.1	7.2	6.9	6.9	6.6
GA	6.0	5.6	5.8	5.3	4.9	5.2	4.9
HI	4.4	6.3	4.7	7.2	8.1	5.6	5.1
IA	5.5	5.8	5.9	5.8	6.0	6.4	6.3
ID	6.4	7.9	7.4	9.6	7.6	7.6	7.1
IL	6.9	6.8	6.8	6.7	6.9	6.9	6.5
IN	7.7	8.3	7.2	7.5	7.3	7.1	7.4
KS	7.1	6.0	6.6	6.2	6.0	5.9	5.5
KY	10.1	9.4	10.2	9.2	9.2	8.9	8.4
LA	12.4	12.4	10.6	9.6	10.2	10.2	8.7
MA	5.1	5.3	5.3	5.5	5.3	5.3	5.2
MD	6.0	5.4	5.6	5.4	6.3	5.4	5.5
ME	7.2	6.6	7.5	7.1	7.2	7.4	6.6
MI	5.4	5.4	5.8	5.9	6.0	5.7	6.0
MN	4.5	4.4	5.1	5.1	5.4	5.5	5.2
MO	7.7	6.8	7.0	7.0	6.1	5.9	5.5
MS	7.8	7.3	6.7	6.8	7.2	7.2	6.3
MT	6.7	5.4	7.9	8.6	6.4	7.3	6.9
NC	6.5	6.2	7.0	7.1	7.0	6.5	6.1
ND	4.9	4.3	5.8	5.8	5.8	6.4	6.3
NE	6.5	6.0	6.5	7.2	7.1	7.2	7.0
NH	4.2	4.2	4.2	5.6	5.0	5.6	5.7
NJ	6.2	6.3	6.0	5.9	6.0	5.7	5.7
NM	8.2	8.5	7.4	9.6	8.8	7.9	7.2
NV	9.0	9.0	8.3	9.7	9.0	9.4	7.4
NY	5.2	5.1	5.2	5.5	5.7	5.5	5.4
OH	7.3	7.2	7.1	7.2	7.2	7.2	7.0
OK	9.7	8.9	9.3	9.4	8.6	7.9	8.0
OR	6.7	8.0	7.6	7.9	8.5	8.9	9.1
PA	7.1	7.1	7.3	7.1	7.4	7.0	6.6
RI	4.0	4.5	4.7	4.6	4.7	4.7	4.3
SC	7.0	5.8	5.8	6.1	5.8	6.3	5.3
SD	5.3	5.9	6.5	5.9	6.2	6.0	5.8
TN	9.3	9.4	8.2	8.5	8.5	8.0	7.3
TX	9.6	8.8	9.4	7.9	7.3	7.2	6.9
UT	7.8	9.1	9.0	9.2	9.0	11.0	10.1
VA	7.1	7.4	7.3	6.8	6.8	6.5	6.0
VT	6.0	6.9	5.9	6.3	6.7	6.9	6.7
WA	8.6	9.2	8.9	9.6	9.1	9.0	9.0
WI	6.2	6.0	6.5	6.4	6.9	7.0	6.8
WV	10.2	9.8	9.5	9.7	9.2	8.3	8.9
WY	7.5	11.5	9.5	9.3	14.0	10.5	10.7
US	7.2	7.2	7.2	7.2	7.1	6.9	6.7

STAFFING LEVELS

Background

There is agreement that there is a strong relationship between resident characteristics, nurse staffing time requirements, and nursing costs in nursing homes. Numerous studies have examined these relationships and it is this relationship which serves as the basis for the casemix reimbursement systems used in some states (Fries and Cooney, 1985; Schneider et al., 1988; Fries et al., 1989; 1994).

Not surprisingly, higher staffing levels in nursing homes have been associated with higher quality of care. Nursing homes with more RN hours per patients were associated with patients being alive, having improved physically, and being discharged to home (Linn et al., 1977). Fottler, Smith and James (1981) also found nursing hours to be a positive indicator of quality. Nyman (1988b) found that higher nursing hours per resident were significantly and positively associated with three of eight quality measures in Iowa nursing homes. Spector and Takada (1991) examined nursing homes in Rhode Island and found that low staffing in homes with very dependent residents was associated with reduced likelihood of improvement. Cohen and Spector (1996) also had similar findings about the importance of RN staffing. Harrington and colleagues (2000b) found a relationship between more RNs and fewer deficiencies.

The evidence from these studies recently led the Institute of Medicine Committee on Nurse Staff in Hospitals and Nursing Homes (1996) to conclude that the

preponderance of evidence from a number of studies with different types of quality measures shows a positive relationship between nursing staffing and quality of nursing home care. In 2001, the IOM again found a relationship between low staffing levels and poor quality of care in some facilities.

Recent reports recommend that minimum staffing levels are needed to ensure quality of care (Harrington et al., 2000a; HCFA, 2000). An expert panel recommended minimum staffing levels of 4.55 hours per patient day, (Harrington et al., 2000a) including all RNs, LVNs, and nursing assistants. The Institute of Medicine (IOM, 2001) also recommended improving the minimum staffing standards and adding RNs 24 hours per day.

More recently, the Centers for Medicare and Medicaid Services (CMS, 2001) reported that facilities with staffing levels below 4.1 hours per resident day for long stay residents may provide care that results in harm and jeopardy to the residents. A study by Schnelle and colleague (2004) also supports a threshold level of 4.1 total nursing hours per resident day to ensure that the processes of nursing care are adequate.

The Institute of Medicine's 2003 report on Keeping Patient's Safe recommended that CMS adopt minimum staffing standards for nursing homes based on the recommendations in the CMS 2001 report.

The level of registered nurse staffing is a growing concern for quality of care because of controls on Medicaid and Medicare reimbursement rates may have negative effects on staffing levels (Kanda and Mezey, 1991; Swan et al., 2000; IOM, 2001). Grabowski and colleagues have shown the relationship between low Medicaid reimbursement rates and low staffing and poor quality (2001; 2004; 2004). Harrington and colleagues (2006) found that although Medicaid reimbursement rates were related to higher staffing, minimum state staffing standards were a stronger predictor of higher staffing levels.

Nursing personnel in nursing facilities were of particular interest for this report. Nursing personnel included: registered nurses (RNs); licensed practical/vocational nurses (LPN/LVNs), and nursing aides/orderlies/ assistants (NAs). Staffing hours (including full-time, part-time, and contract staff) are reported by facilities as total hours worked in a fourteen day period. Nursing personnel hours are examined for each of the above three categories separately, for all licensed nursing personnel (RNs and LPN/LVNs combined), and for total nursing personnel (RNs, LPN/LVNs, and NAs). The staff time includes all administrative and direct care time.

To compute the staffing ratios for this report, the total number of staffing payroll hours reported in a two-week period was divided by the total number of residents and by the 14 days in the reporting period. In examining the staffing data, there were some facilities that reported very high or low levels of staffing. In order to minimize the number of facilities that may have reported erroneous data, we developed

standard rules to remove these facilities from the data set. A conservative approach was taken by eliminating the lower one percent of facilities and the upper 2 percent. (See the appendix).

Nursing facilities are required by regulation to meet minimum nursing standards. Facilities must have sufficient nursing staff to provide nursing and related services to attain or maintain the highest practicable physical, mental, and psychosocial well-being of residents. Facilities must also provide sufficient numbers of licensed nursing personnel to provide care on a 24 hour basis to all residents in accordance with resident care plans.

Facilities must also use the services of a registered nurse for at least 8 consecutive hours a day, 7 days a week, except when they have been given a waiver. A Medicare-only skilled nursing facility may have a waiver if it is located in a rural area and has one registered nurse who is on duty 40 hours a week. Waivers may also be granted under certain conditions where there is a shortage of appropriate personnel and where the health and safety of individuals is not jeopardized.

For this report, the total hours of staffing per resident day were examined separately for dually certified facilities (Title 18/19), for Medicare-only facilities (Title 18), and for Medicaid-only facilities (Title 19). It should be noted that the reported staffing ratios reflect reported hours per resident day and not the actual hours of care delivered directly to residents. These data are reported by each facility for the two weeks prior to the facility survey.

Facilities with Medicaid Only and Medicare and/or Medicaid Beds (Title 19 and Title 18/19)

Tables 25 and 26 show the total facilities with Medicaid-only and Medicare/Medicaid beds in the U.S. for the 2000 through 2006 period. The number of facilities varied by year and category because missing and erroneous data that were removed, using consistent procedures over the time period. There were 13,675 facilities reporting beds in this category for RNs in 2006.

Registered Nursing Hours

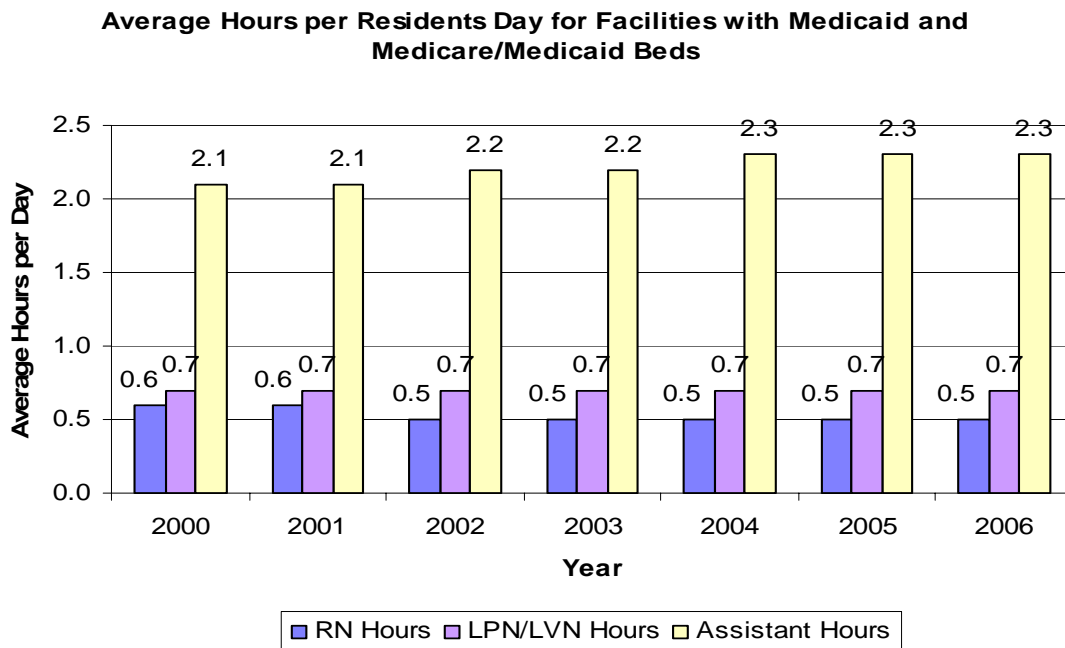
The average RN hours per resident day are shown in Table 25. The average hours decline from 0.6 in 2000 to 0.5 in 2006 or a 17 percent decline. This converts to 30 minutes per resident day or about 10 minutes per 8 hour shift in 2006. The average ratio of RNs hours ranged from 0.3 hours (in Arkansas, Georgia, Louisiana, Oklahoma and Texas) to 1.2 hours (in Alaska) in 2006. This includes nurses who are in administrative positions.

LPN/LVN Nursing Hours

The average LPN/LVN hours per resident day are shown in Table 25. In 2000-2006, the average LPN/LVN hours remained steady at 0.7 (42 minutes) per resident day (or 14 minutes per shift).

Nursing Aide/Assistant Hours

The average NA hours per resident day are shown in Table 25. The average was 2.1 hours (126 minutes) in 2000. In 2002 and 2003, the average NA hours increased to 2.2 hours (132 minutes per resident day or 44 minutes per shift) and the NA hours were 2.3 in 2004-2006.



**TABLE 25
AVERAGE RN, LPN/LVN, AND ASSISTANT HOURS PER RESIDENT DAY
IN FACILITIES WITH MEDICAID AND WITH MEDICARE/MEDICAID BEDS (TITLE 19 AND TITLE 18/19)**

State	RN Hours							LPN/LVN Hours							Assistant Hours						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	1.4	1.1	0.9	1.3	1.2	1.1	1.2	0.7	0.6	0.6	0.6	0.7	0.6	0.7	3.0	2.7	2.7	3.0	3.3	2.9	3.2
AL	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9	0.9	0.9	1.0	1.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
AR	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7	0.8	0.8	0.8	0.8	1.9	2.1	2.3	2.4	2.5	2.6	2.5
AZ	0.7	0.5	0.6	0.5	0.5	0.6	0.5	0.7	0.8	0.7	0.8	0.8	0.8	0.9	2.0	2.1	2.1	2.1	2.1	2.2	2.1
CA	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.7	0.6	0.7	0.6	0.6	0.6	0.7	2.2	2.3	2.4	2.5	2.5	2.5	2.4
CO	0.7	0.7	0.6	0.6	0.7	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.0	2.2	2.1	2.2	2.2	2.2
CT	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.5	0.6	0.6	0.6	0.6	0.6	2.1	2.1	2.2	2.2	2.3	2.3	2.3
DC	0.9	0.7	0.6	0.5	0.7	0.6	0.7	0.9	0.8	0.8	0.9	1.0	1.0	1.1	2.5	2.2	2.3	2.5	2.7	2.3	2.5
DE	0.9	0.8	0.8	0.8	0.8	0.7	0.8	0.6	0.7	0.7	0.7	0.8	0.9	0.9	2.3	2.4	2.6	2.5	2.4	2.4	2.4
FL	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.9	0.9	0.9	0.9	0.9	2.0	2.1	2.5	2.7	2.7	2.8	2.8
GA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	0.8	0.8	0.8	0.8	0.9	0.9	2.0	2.0	2.1	2.1	2.1	2.1	2.1
HI	1.0	0.9	0.8	0.8	0.8	0.8	0.8	0.6	0.5	0.5	0.5	0.6	0.5	0.5	2.4	2.6	2.6	2.5	2.5	2.5	2.5
IA	0.6	0.6	0.6	0.6	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.6	1.9	1.9	2.0	2.0	2.0	2.1	2.1
ID	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	2.6	2.5	2.6	2.6	2.6	2.5	2.5
IL	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.7	1.7	1.8	1.8	1.8	1.9	1.9
IN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.7	1.8	1.9	2.0	2.0	2.0	2.0
KS	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	2.0	2.1	2.2	2.2	2.3	2.3	2.3
KY	0.6	0.6	0.6	0.5	0.6	0.5	0.6	0.8	0.7	0.7	0.8	0.8	0.7	0.7	2.3	2.4	2.5	2.5	2.5	2.4	2.4
LA	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.7	0.7	0.7	0.7	0.8	0.8	0.8	1.9	2.0	2.0	2.0	2.0	2.0	2.0
MA	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.7	2.1	2.2	2.3	2.3	2.3	2.3	2.3
MD	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.8	0.8	2.2	2.3	2.3	2.3	2.3	2.4	2.3
ME	0.9	0.8	0.8	0.8	0.9	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	2.7	2.7	2.8	2.9	3.0	2.9	2.9
MI	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	2.2	2.3	2.4	2.4	2.3	2.3	2.3
MN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.0	2.1	2.2	2.2	2.2	2.3
MO	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	2.2	2.2	2.3	2.3	2.3	2.3	2.3
MS	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.9	0.9	2.1	2.1	2.2	2.2	2.3	2.3	2.3
MT	0.8	0.7	0.7	0.8	0.7	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2.3	2.4	2.4	2.5	2.4	2.1	2.4
NC	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	2.2	2.2	2.3	2.2	2.3	2.3	2.3
ND	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.6	2.4	2.6	2.6	2.6	2.7	2.7	2.6
NE	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	2.1	2.2	2.3	2.3	2.4	2.3	2.3
NH	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.6	0.6	0.6	0.6	2.2	2.2	2.3	2.3	2.3	2.4	2.4
NJ	0.7	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.7	2.0	2.1	2.1	2.1	2.2	2.1	2.1
NM	0.7	0.6	0.4	0.6	0.4	0.5	0.6	0.5	0.5	0.4	0.5	0.5	0.5	0.5	2.2	2.2	1.4	2.0	1.7	1.8	2.2
NV	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.7	0.8	0.7	2.0	1.9	2.0	2.2	2.1	2.2	2.0
NY	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.7	2.0	2.1	2.2	2.2	2.2	2.2	2.2
OH	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.9	0.8	2.2	2.2	2.3	2.3	2.3	2.3	2.2
OK	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.7	0.7	0.7	2.0	2.2	2.3	2.3	2.3	2.4	2.4
OR	0.8	0.7	0.6	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.5	0.5	0.5	2.3	2.4	2.5	2.5	2.5	2.5	2.6
PA	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	2.1	2.1	2.2	2.2	2.2	2.2	2.2
RI	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.0	2.1	2.1	2.2	2.2	2.4	2.3
SC	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.9	0.9	0.9	2.2	2.3	2.3	2.3	2.3	2.3	2.3
SD	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.1	2.1	2.1	2.2	2.2	2.2	2.2
TN	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.8	0.8	0.8	0.8	1.8	1.9	2.0	2.0	2.0	2.0	2.1
TX	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.8	0.7	0.7	0.7	0.7	0.8	0.8	2.0	2.0	2.1	2.1	2.1	2.1	2.1
UT	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	2.2	2.1	2.3	2.3	2.3	2.4	2.2
VA	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.9	0.9	0.9	2.0	2.1	2.1	2.0	2.1	2.0	2.1
VT	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8	2.2	2.2	2.4	2.2	2.2	2.4	2.4
WA	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.7	0.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4
WI	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.4	0.4	0.5	0.5	0.5	0.5	0.5	2.2	2.2	2.3	2.3	2.4	2.4	2.4
WV	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.8	0.7	0.8	0.8	0.8	0.8	0.8	2.1	2.0	2.2	2.1	2.2	2.1	2.1
WY	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.5	0.6	0.5	0.6	0.6	0.5	0.5	2.2	2.2	2.5	2.3	2.2	2.3	2.2
US	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1	2.1	2.2	2.2	2.3	2.3	2.3
Facilities	13029	13161	13475	13563	13533	13371	13675	12993	13149	13461	13546	13524	13370	13663	12933	12961	13116	13434	13522	13504	13645

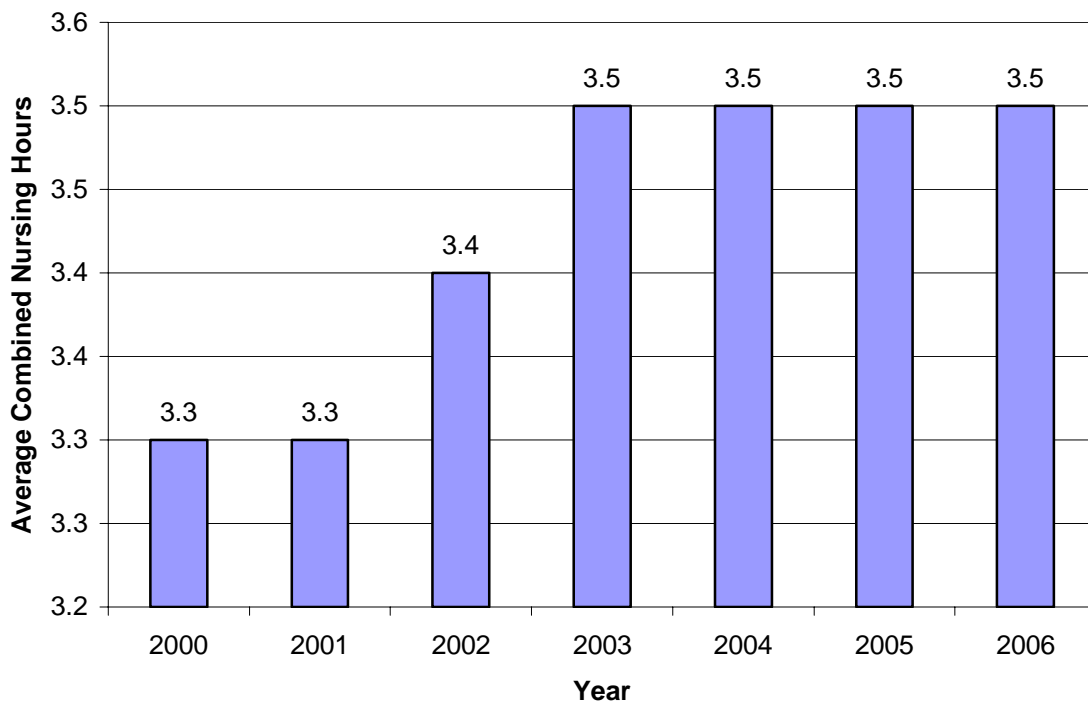
Licensed Nursing Hours

Table 26 shows the average licensed nursing hours (RNs and LPN/LVNs) per resident day was 1.2 hours in 2000-2004, and 1.3 in 2005-2006. This was about 78 minutes per resident day or 26 minutes per 8-hour shift in 2006. The decline in RN hours was accompanied by an increase in LVN hours, to maintain the total licensed hours per resident day at 1.3.

Total Nursing Hours

The total nursing hours (RNs, LPN/LVNs, and NAs) per resident day increased from 3.3 in 2000 to 3.5 in 2006 (See Table 26) primarily because of the increase in unlicensed hours. The total nursing hours varied across states from 3.0 in Illinois and Louisiana to 5.4 in Alaska in 2006.

Average Nursing Hours per Resident Day in Facilities with Medicaid and Medicare/Medicaid beds



**TABLE 26
AVERAGE LICENSED AND COMBINED NURSE HOURS PER RESIDENT DAY
IN FACILITIES WITH MEDICAID AND MEDICARE/MEDICAID BEDS (TITLE 19 AND TITLE 18/19)**

State	Licensed Nurses							Total Nursing Staff						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	2.1	1.8	1.7	2.0	1.9	1.9	1.9	5.0	4.8	4.4	5.3	5.2	5.0	5.4
AL	1.4	1.3	1.3	1.3	1.4	1.4	1.4	3.9	3.8	3.9	3.9	3.9	3.9	3.9
AR	1.0	1.0	1.0	1.1	1.1	1.1	1.1	2.9	3.1	3.3	3.5	3.6	3.8	3.7
AZ	1.4	1.3	1.3	1.3	1.4	1.4	1.4	3.4	3.4	3.4	3.5	3.5	3.6	3.5
CA	1.2	1.2	1.2	1.1	1.1	1.2	1.2	3.5	3.5	3.6	3.6	3.6	3.6	3.7
CO	1.3	1.3	1.3	1.3	1.3	1.4	1.4	3.2	3.3	3.4	3.5	3.5	3.6	3.6
CT	1.2	1.3	1.3	1.3	1.3	1.3	1.3	3.3	3.4	3.5	3.5	3.6	3.6	3.6
DC	1.8	1.6	1.4	1.5	1.7	1.6	1.7	4.3	3.7	3.7	4.0	4.3	4.0	4.0
DE	1.6	1.5	1.5	1.5	1.6	1.6	1.6	3.8	3.9	4.0	4.1	4.0	4.0	4.1
FL	1.3	1.3	1.4	1.4	1.4	1.5	1.5	3.4	3.4	3.9	4.1	4.2	4.2	4.2
GA	1.1	1.1	1.2	1.1	1.2	1.2	1.2	3.1	3.2	3.3	3.2	3.3	3.3	3.3
HI	1.3	1.4	1.3	1.3	1.3	1.2	1.3	3.9	4.0	3.9	3.9	3.8	3.8	3.9
IA	1.0	1.0	1.0	1.0	1.0	1.1	1.1	2.9	2.9	3.0	3.1	3.1	3.1	3.2
ID	1.4	1.4	1.4	1.4	1.5	1.5	1.5	4.1	3.9	4.0	4.0	4.0	4.0	4.0
IL	1.1	1.1	1.0	1.0	1.1	1.1	1.1	2.8	2.8	2.9	2.9	2.9	3.1	3.0
IN	1.3	1.2	1.3	1.2	1.3	1.3	1.3	3.0	3.1	3.2	3.2	3.3	3.3	3.4
KS	1.1	1.1	1.0	1.0	1.1	1.1	1.1	3.1	3.1	3.2	3.3	3.4	3.4	3.4
KY	1.3	1.3	1.3	1.3	1.3	1.3	1.3	3.6	3.7	3.8	3.7	3.7	3.7	3.7
LA	0.9	0.9	1.0	1.0	1.0	1.0	1.1	2.8	2.9	3.0	3.0	3.1	3.0	3.0
MA	1.4	1.4	1.4	1.4	1.4	1.4	1.4	3.5	3.6	3.6	3.6	3.7	3.7	3.7
MD	1.3	1.3	1.3	1.3	1.3	1.4	1.4	3.5	3.6	3.6	3.6	3.6	3.7	3.7
ME	1.3	1.3	1.3	1.3	1.3	1.3	1.3	4.0	4.0	4.2	4.2	4.3	4.2	4.3
MI	1.2	1.2	1.2	1.2	1.2	1.3	1.3	3.5	3.5	3.6	3.6	3.6	3.6	3.6
MN	1.2	1.1	1.2	1.2	1.2	1.3	1.3	3.2	3.2	3.3	3.4	3.4	3.5	3.6
MO	1.1	1.0	1.0	1.0	1.0	1.0	1.0	3.2	3.2	3.3	3.3	3.3	3.4	3.4
MS	1.2	1.2	1.2	1.2	1.3	1.3	1.3	3.4	3.4	3.5	3.5	3.6	3.6	3.6
MT	1.4	1.3	1.2	1.3	1.2	1.3	1.4	3.7	3.6	3.6	3.8	3.7	3.7	3.8
NC	1.4	1.3	1.3	1.3	1.4	1.4	1.4	3.6	3.6	3.6	3.6	3.7	3.7	3.7
ND	1.1	1.1	1.1	1.2	1.1	1.2	1.2	3.5	3.7	3.7	3.8	3.8	3.9	3.8
NE	1.2	1.2	1.2	1.2	1.2	1.2	1.3	3.3	3.3	3.5	3.6	3.6	3.6	3.6
NH	1.4	1.3	1.4	1.4	1.4	1.4	1.4	3.5	3.5	3.6	3.7	3.6	3.8	3.8
NJ	1.3	1.3	1.3	1.3	1.3	1.3	1.3	3.3	3.4	3.4	3.4	3.4	3.5	3.4
NM	1.2	1.1	1.1	1.1	1.1	1.2	1.1	3.4	3.3	3.1	3.3	3.3	3.3	3.3
NV	1.5	1.4	1.4	1.4	1.3	1.3	1.4	3.5	3.3	3.4	3.5	3.4	3.5	3.4
NY	1.2	1.2	1.3	1.3	1.3	1.3	1.3	3.3	3.3	3.5	3.5	3.6	3.6	3.6
OH	1.4	1.4	1.4	1.4	1.4	1.4	1.4	3.6	3.6	3.7	3.7	3.8	3.8	3.7
OK	0.9	0.9	0.9	0.9	1.0	1.0	1.0	2.9	3.2	3.3	3.3	3.3	3.4	3.4
OR	1.2	1.1	1.1	1.1	1.2	1.2	1.2	3.5	3.5	3.5	3.6	3.8	3.7	3.8
PA	1.4	1.4	1.4	1.4	1.4	1.4	1.4	3.5	3.5	3.6	3.6	3.6	3.6	3.6
RI	1.1	1.1	1.0	1.0	1.0	1.1	1.0	3.1	3.2	3.2	3.2	3.3	3.5	3.4
SC	1.2	1.2	1.2	1.2	1.3	1.3	1.3	3.4	3.5	3.6	3.6	3.7	3.6	3.6
SD	1.1	1.0	1.0	1.0	1.1	1.0	1.0	3.1	3.1	3.2	3.2	3.2	3.2	3.2
TN	1.1	1.1	1.1	1.2	1.2	1.2	1.3	3.0	3.1	3.1	3.2	3.2	3.3	3.3
TX	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2
UT	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5	3.3	3.4	3.5	3.5	3.6	3.4
VA	1.3	1.3	1.3	1.3	1.4	1.4	1.4	3.3	3.4	3.4	3.3	3.4	3.5	3.5
VT	1.3	1.4	1.4	1.4	1.3	1.4	1.4	3.6	3.7	3.7	3.7	3.6	3.8	3.8
WA	1.4	1.4	1.4	1.4	1.4	1.4	1.4	3.9	3.8	3.8	3.8	3.8	3.8	3.8
WI	1.1	1.1	1.1	1.1	1.1	1.2	1.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6
WV	1.2	1.2	1.2	1.3	1.3	1.3	1.3	3.4	3.3	3.4	3.4	3.5	3.4	3.4
WY	1.3	1.4	1.2	1.3	1.3	1.3	1.3	3.5	3.5	3.7	3.5	3.5	3.6	3.6
US	1.2	1.2	1.2	1.2	1.2	1.3	1.3	3.3	3.3	3.4	3.5	3.5	3.5	3.5
Facilities	12,677	12,807	13,119	13,213	13,193	13,033	13,322	12,522	12,615	12,912	13,009	13,000	12,851	13,122

Facilities with Medicare Only Certified Beds (Title 18)

Tables 27 and 28 show the certified facilities with Medicare only beds. In 2006 there were a total of 734 such facilities that had RN staffing data available. Medicare only certified nursing facility beds represented only 2.1 percent of the total nursing facility beds (Table 5).

Registered Nursing Hours

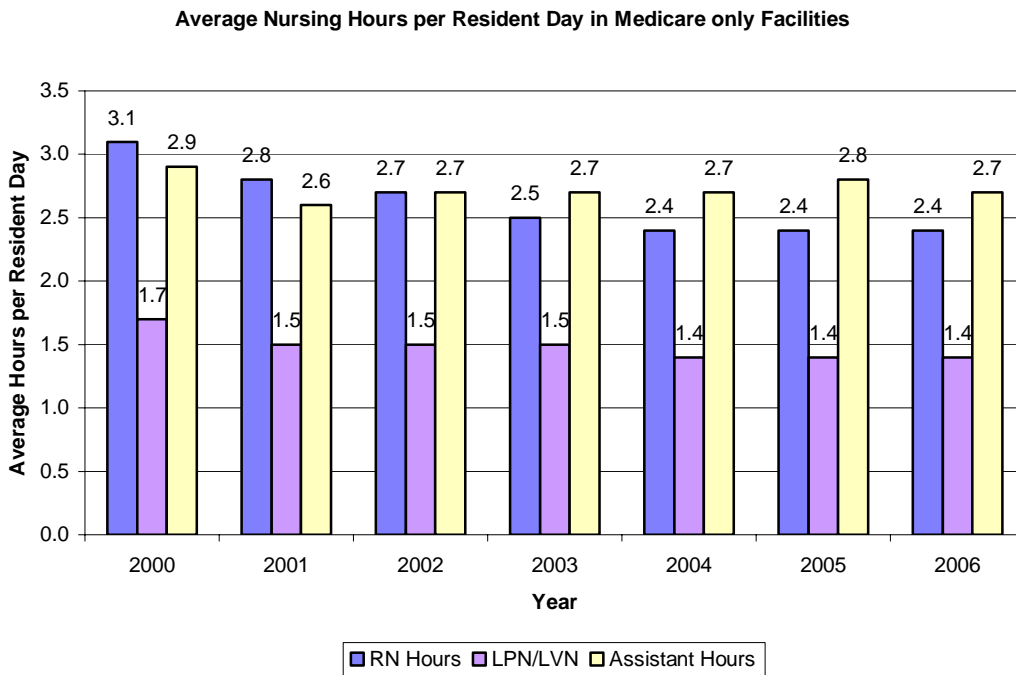
The average RN hours per resident day are shown in Table 27. The average RN hours were 3.1 in 2000 and then decreased to 2.4 hours per resident day (or 144 minutes) in 2006. This was a 23 percent decrease in RN hours per resident day. The ratio of RN hours varied across states.

LPN/LVN Nursing Hours

The average LPN/LVN hours per resident day are shown in Table 27. There was an average of 1.7 hours per resident day in 2000 and this decreased to 1.4 in 2006. This was a 18 percent decrease in LPN/LVN hours per resident day. This was about 84 minutes per resident day or 28 minutes per 8 hour shift in 2006.

Nursing Aide/Assistant Hours

The average NA hours per resident day are shown in Table 27. The average was 2.9 hours in 2000 and this declined to 2.7 hours in 2006, or by 7 percent.



**TABLE 27
AVERAGE RN, LPN/LVN, AND ASSISTANT HOURS PER RESIDENT DAY
IN FACILITIES WITH MEDICARE ONLY BEDS (TITLE 18)**

State	RN Hours							LPN/LVN Hours							Assistant Hours						
	2000	2001	2002	2003	2004	2005	2005	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AL	4.3	2.8	2.6	3.0	2.5	2.7	1.5	2.2	1.5	1.4	2.4	1.9	2.3	1.7	2.0	3.4	3.3	2.8	3.0	2.4	3.0
AR	2.4	2.8	3.0	3.3	2.8	3.5	3.7	2.4	2.0	2.4	2.9	2.7	2.6	2.3	2.7	2.1	2.4	2.8	2.3	2.6	2.4
AZ	3.2	2.4	2.1	1.5	0.9	0.7	0.6	1.0	1.4	1.6	0.6	1.1	0.7	0.8	4.3	2.0	2.4	3.0	2.3	2.2	1.9
CA	2.2	1.8	2.0	1.7	1.7	1.6	1.5	1.0	1.2	1.3	1.0	0.9	1.0	1.0	3.4	2.5	2.8	2.8	2.9	2.9	2.7
CO	2.7	2.5	2.6	2.3	2.0	2.4	2.2	1.5	1.1	1.0	0.9	1.0	0.9	1.1	2.2	2.1	2.4	2.2	2.3	2.8	2.1
CT	1.4	1.4	1.4	1.4	1.5	1.7	1.5	0.5	0.4	0.5	0.5	0.9	0.8	0.8	2.6	2.8	2.8	2.6	2.6	3.1	2.6
DC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DE	1.3	1.1	0.8	1.0	1.7	1.1	1.6	0.8	0.8	0.7	0.7	0.8	0.8	0.8	2.4	1.8	1.6	2.1	2.6	2.2	2.4
FL	3.1	2.7	2.1	1.9	1.9	2.2	1.3	1.6	1.4	1.2	1.3	1.4	1.6	1.5	2.6	2.3	2.5	2.7	2.8	3.3	3.3
GA	2.5	2.1	3.2	2.0	2.1	1.5	2.2	1.7	1.5	1.5	1.8	1.6	1.3	2.0	2.9	3.2	3.4	2.7	2.5	2.6	2.5
HI	4.8	0.0	0.0	0.0	0.0	0.0	5.9	6.7	0.0	0.0	0.0	0.0	1.7	3.2	0.0	0.0	0.0	0.0	0.0	5.6	3.8
IA	5.5	4.8	4.8	4.9	4.6	5.0	3.7	2.0	2.1	1.6	1.9	1.7	1.7	1.2	3.3	2.6	2.1	2.3	2.6	1.9	2.7
ID	3.6	3.9	2.7	2.6	2.3	3.1	2.7	1.9	1.6	1.9	1.9	1.9	2.0	1.8	3.3	3.6	2.6	3.0	2.9	3.6	3.3
IL	3.5	3.3	3.6	2.8	2.9	2.7	3.0	1.2	1.0	1.3	1.0	1.1	1.0	1.2	3.3	2.7	3.4	2.9	2.7	2.9	2.7
IN	3.1	3.1	2.3	2.1	2.1	2.1	2.2	1.6	1.8	1.6	1.9	1.7	1.9	1.9	3.2	2.6	2.7	2.8	2.7	2.8	2.7
KS	4.5	3.8	3.8	3.5	3.7	2.7	2.8	1.9	1.9	1.6	1.8	2.0	1.4	1.2	3.2	3.0	3.7	3.4	2.8	2.8	3.5
KY	2.7	2.7	2.9	2.6	3.4	3.1	2.7	2.1	1.7	1.7	2.1	2.2	1.6	1.6	2.6	2.6	2.4	2.3	2.6	2.7	2.6
LA	2.6	2.7	2.8	2.5	2.9	3.6	3.4	2.4	2.5	2.2	2.4	2.0	3.0	2.5	2.9	2.6	2.6	2.6	2.8	3.6	3.6
MA	1.9	1.6	1.6	1.5	1.7	2.0	1.9	0.8	0.8	0.7	0.9	0.9	0.8	0.8	2.7	2.5	2.5	2.3	2.3	2.7	2.6
MD	1.0	0.9	0.8	0.8	0.8	0.7	0.6	0.5	0.7	0.7	0.9	1.0	1.3	1.2	2.9	2.3	2.5	3.0	3.0	3.2	3.1
ME	0.8	0.0	3.0	7.4	2.4	2.3	2.9	0.0	0.0	2.3	3.2	1.2	1.9	1.2	4.4	0.0	5.3	0.0	2.9	2.7	3.5
MI	2.1	1.6	1.8	1.2	1.2	1.2	1.3	1.3	1.2	1.7	1.3	1.1	1.1	1.1	3.3	3.1	3.9	3.0	2.6	2.4	2.4
MN	2.7	2.5	2.2	1.9	2.5	1.8	1.3	1.3	1.3	1.0	1.4	2.3	1.6	1.2	5.8	3.3	3.1	3.2	2.7	2.4	2.5
MO	3.7	3.7	3.7	3.8	3.4	3.9	3.3	2.1	2.0	2.1	2.2	1.7	1.8	1.9	2.5	3.3	3.3	3.3	2.9	2.9	2.7
MS	4.3	3.5	3.3	3.6	3.3	3.3	3.1	1.6	1.9	1.8	1.9	1.8	1.5	1.5	2.7	2.6	2.6	2.6	2.7	1.9	1.9
MT	2.7	2.8	3.0	2.8	2.4	1.5	3.5	3.9	1.8	2.4	0.5	3.5	2.7	1.9	2.4	2.7	2.5	2.4	2.6	1.5	3.0
NC	3.7	3.6	3.3	2.9	2.6	3.3	2.4	2.2	0.5	1.7	2.0	1.6	2.5	1.8	3.1	4.1	4.2	2.7	3.7	4.2	2.9
ND	3.4	3.1	3.2	3.6	3.7	4.5	6.7	2.0	2.2	2.7	1.8	2.5	2.3	3.0	1.8	1.9	2.1	3.2	3.2	2.5	2.8
NE	3.0	5.2	5.5	6.2	6.3	3.1	5.8	1.0	1.1	0.4	0.9	2.9	2.2	3.5	1.7	0.3	4.3	4.2	3.3	8.1	2.5
NH	2.1	1.7	2.3	1.4	2.9	3.2	1.2	2.1	0.8	2.4	0.7	1.3	0.4	0.7	4.4	3.5	3.7	4.5	4.2	3.9	2.9
NJ	2.1	2.6	1.7	1.8	2.0	1.9	2.1	1.0	0.9	0.9	0.9	0.9	0.9	0.8	2.4	2.4	2.2	2.4	2.5	2.6	2.8
NM	3.2	2.6	3.7	5.8	4.0	3.5	2.8	2.7	0.9	0.0	2.1	0.5	2.2	2.1	4.7	3.0	1.4	6.1	5.0	3.2	2.2
NV	5.9	2.8	2.1	1.5	0.0	0.0	0.0	1.8	0.9	1.9	0.6	0.0	0.0	0.0	5.2	3.5	2.4	1.6	0.0	0.0	0.0
NY	0.0	0.0	1.0	0.9	1.0	1.0	4.2	0.0	0.0	0.7	0.7	0.8	0.7	0.4	0.0	0.0	2.7	2.6	2.7	2.8	5.1
OH	3.7	3.4	3.3	3.4	3.0	3.0	2.9	1.8	1.5	1.6	1.6	1.8	1.7	1.9	3.1	2.2	2.6	2.5	2.3	2.2	2.6
OK	2.6	2.6	2.7	2.2	2.9	2.5	3.3	2.4	2.1	2.1	2.0	1.9	2.8	2.1	2.3	2.4	3.1	2.6	3.0	3.5	2.9
OR	0.9	0.9	1.4	1.2	0.7	0.8	0.9	0.5	0.4	0.7	0.8	0.4	0.6	0.9	3.5	2.8	2.6	2.5	3.0	2.8	2.9
PA	2.5	2.6	2.3	2.3	2.2	2.2	2.4	1.1	1.1	1.0	1.1	1.1	1.1	1.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3
RI	0.0	1.5	1.7	0.0	1.5	1.1	1.1	0.0	0.6	0.6	0.0	0.9	0.4	0.4	0.0	3.1	2.6	0.0	3.3	2.4	2.3
SC	3.9	3.2	2.3	2.1	2.2	2.6	2.4	1.4	1.2	1.3	1.1	1.3	1.8	1.5	4.5	3.4	2.7	3.0	2.6	4.2	3.1
SD	0.9	0.8	0.6	0.7	0.0	0.7	0.9	0.4	0.4	0.5	0.5	0.0	0.5	0.4	2.3	2.5	2.5	2.3	0.0	2.9	2.3
TN	2.5	2.8	2.6	2.1	2.5	2.4	2.2	2.0	1.8	1.8	1.5	1.5	1.3	1.3	2.3	2.2	2.4	2.5	2.6	2.9	2.7
TX	3.4	2.9	3.2	2.9	2.3	2.5	2.8	2.4	2.2	2.1	2.0	1.9	1.8	2.0	3.3	2.3	2.9	2.9	2.5	2.6	2.8
UT	4.1	3.1	3.1	3.1	3.1	2.8	2.7	1.1	1.1	1.1	0.8	1.0	1.2	0.9	3.3	3.0	3.7	2.8	3.5	3.4	3.1
VA	3.8	2.7	1.8	1.6	1.5	1.7	2.0	1.8	1.9	1.8	1.7	1.8	1.6	1.5	3.2	2.7	3.3	2.9	3.1	3.4	2.7
VT	1.3	1.3	1.3	1.3	1.4	1.4	1.2	0.8	1.0	0.7	0.9	1.0	0.7	0.8	3.0	2.8	2.5	2.8	4.2	2.9	2.9
WA	2.6	3.3	1.7	1.4	1.4	1.1	1.2	1.0	0.6	0.7	0.8	0.8	0.9	1.1	4.0	4.8	3.4	3.3	3.5	3.0	3.2
WI	2.2	2.8	2.5	2.9	2.4	2.3	1.3	0.6	0.5	0.5	0.5	0.6	0.6	0.7	2.5	2.5	2.6	2.4	2.5	2.9	2.1
WV	3.9	3.6	3.7	2.7	2.9	3.2	2.9	1.9	1.9	2.3	1.5	1.4	1.3	1.1	2.8	2.7	3.5	2.7	2.5	2.2	1.9
WY	5.3	4.1	3.6	5.4	5.0	4.5	5.5	2.1	1.8	1.6	1.0	1.5	1.3	2.4	1.8	2.2	3.8	4.1	2.4	2.3	3.9
US	3.1	2.8	2.7	2.5	2.4	2.4	2.4	1.7	1.5	1.5	1.5	1.4	1.4	1.4	2.9	2.6	2.7	2.7	2.7	2.8	2.7
Facilities	922	861	781	796	748	707	734	926	859	777	790	742	709	732	911	827	750	778	720	699	715

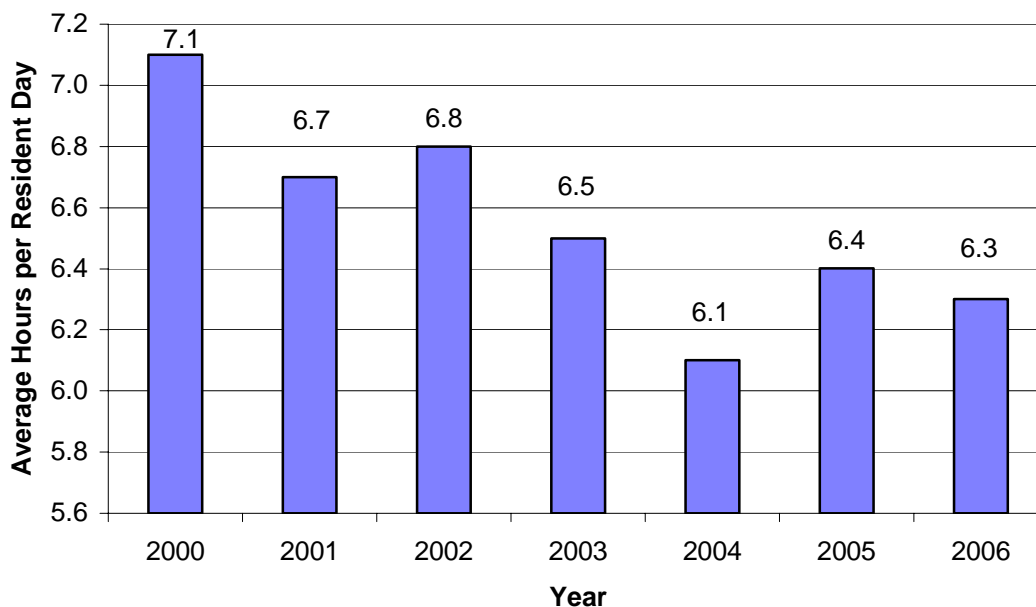
Licensed Nursing Hours

Table 28 shows that the average licensed nursing hours (RNs and LPN/LVNs) per resident day was 4.7 in 2000 and declined to 3.8 for a 19 percent drop in 2006. The ratio varied across states.

Total Nursing Hours

Table 28 shows that the total nursing hours (RNs, LPN/LVNs, and NAs) per resident day was 7.1 in 2000 and then declined to 6.3 hours in 2006. This was a decline in total hours of 11.0 percent since 2000. The total hours varied across states. The decrease in total nurse staffing hours appears to be related to the implementation of the Medicare prospective payment system and the cuts in Medicare reimbursement rates since 2000. This was recently documented by Konetzka and colleagues (2004).

Total Nursing Staff Hours per Resident Day in Medicare-only Facilities



**TABLE 28
AVERAGE LICENSED AND COMBINED NURSE HOURS PER RESIDENT DAY
IN FACILITIES WITH MEDICARE ONLY BEDS (TITLE 18)**

State	Licensed Nurse Hours							Total Nursing Staff						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AL	3.7	4.3	4.0	5.4	4.4	5.0	3.2	5.7	7.7	7.4	8.2	6.7	6.4	6.2
AR	5.0	4.9	5.4	6.2	5.5	6.1	6.0	7.2	7.2	7.8	8.0	7.2	8.7	8.5
AZ	4.1	3.7	3.1	2.2	2.1	1.4	1.5	8.4	4.7	4.9	4.6	4.0	3.6	3.7
CA	3.3	3.1	3.1	2.7	2.7	2.7	2.5	5.8	5.0	5.5	5.5	5.3	5.4	5.2
CO	4.2	3.7	3.6	3.1	3.0	3.3	3.3	6.0	5.6	6.2	5.4	5.3	6.1	5.2
CT	1.9	1.8	1.9	1.8	2.4	2.5	2.3	4.5	4.6	4.7	4.4	5.0	5.5	4.9
DC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DE	2.1	1.9	2.0	1.7	2.5	1.9	2.4	4.5	3.6	3.6	3.7	5.1	4.1	4.8
FL	4.6	4.2	3.3	3.2	3.3	3.8	2.8	7.2	6.3	5.8	5.8	5.9	7.1	6.1
GA	4.1	3.6	4.1	3.8	3.7	3.1	4.1	7.0	6.8	7.5	6.5	6.2	6.0	6.6
HI	11.5	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	10.8
IA	7.5	6.9	6.4	6.7	6.2	6.1	4.5	9.7	7.6	8.5	9.1	8.6	8.0	6.9
ID	5.6	4.5	4.5	4.6	4.2	5.2	4.5	8.8	7.9	7.1	7.6	7.1	8.8	7.8
IL	4.6	4.3	4.7	3.7	4.0	3.7	4.2	7.0	6.7	8.1	6.6	6.2	6.2	6.4
IN	4.7	4.8	3.9	3.9	3.9	3.9	4.1	7.3	7.1	6.5	6.3	6.4	6.5	6.8
KS	6.5	5.7	5.3	4.8	4.4	3.9	4.0	8.3	8.6	7.7	8.0	6.7	6.9	7.5
KY	4.7	4.4	4.6	4.7	5.5	4.7	4.3	6.8	6.8	7.1	7.1	7.5	7.4	6.9
LA	5.1	5.1	5.2	4.9	4.9	6.3	5.3	7.7	7.6	7.7	7.1	7.0	9.1	8.9
MA	2.7	2.5	2.4	2.4	2.5	2.7	2.7	5.4	4.9	4.9	4.6	4.8	5.4	5.3
MD	1.5	1.6	1.6	1.7	1.8	2.0	1.8	4.4	3.9	4.1	4.7	4.8	5.2	4.9
ME	0.0	0.0	5.3	10.7	3.6	4.2	4.1	5.2	0.0	10.7	0.0	6.5	6.9	7.6
MI	3.4	3.0	3.6	2.5	2.3	2.3	2.4	6.7	5.7	7.7	5.5	4.9	4.7	4.8
MN	4.1	3.8	2.5	3.3	4.8	3.3	2.4	7.2	5.9	6.4	6.5	6.3	5.7	4.9
MO	5.8	5.6	5.8	5.9	5.3	5.7	5.2	8.4	8.5	9.0	8.8	8.3	8.6	7.9
MS	5.7	5.4	5.1	5.6	5.1	5.0	4.6	8.3	8.0	7.7	8.2	7.3	7.1	6.4
MT	6.6	4.6	5.6	4.2	7.8	6.8	4.9	8.9	7.3	8.0	6.9	10.3	8.1	7.5
NC	4.3	2.8	3.9	4.1	3.9	7.0	4.1	5.2	6.9	7.4	6.4	6.5	6.0	5.8
ND	5.4	5.4	5.9	5.4	6.2	6.9	7.5	7.2	7.3	8.0	8.6	9.4	9.4	10.3
NE	4.0	6.3	5.5	7.1	9.1	5.3	9.2	5.8	6.5	9.8	11.3	0.0	13.3	11.7
NH	4.1	2.5	4.7	2.1	4.2	3.6	1.9	8.5	6.0	8.5	6.6	8.3	7.5	4.7
NJ	3.1	3.5	2.5	2.7	2.9	2.8	2.9	5.5	5.6	4.7	5.1	5.1	5.4	5.8
NM	5.8	3.5	5.0	7.9	4.5	4.6	3.0	10.5	6.5	9.3	14.0	6.8	7.8	5.2
NV	7.7	3.7	3.1	2.1	0.0	0.0	0.0	8.6	7.3	5.6	3.7	0.0	0.0	0.0
NY	0.0	0.0	1.7	1.6	1.8	1.7	1.4	0.0	0.0	4.4	4.2	4.6	4.5	3.6
OH	5.5	4.9	4.9	5.1	4.5	4.6	4.8	8.3	7.0	7.4	7.6	6.3	6.8	7.3
OK	4.6	4.6	5.0	3.9	4.3	5.3	3.6	7.0	7.6	8.0	6.9	7.1	8.4	6.2
OR	1.4	1.4	2.3	2.0	1.1	1.4	1.8	4.8	4.2	4.9	4.5	4.2	4.2	4.7
PA	3.7	3.8	3.3	3.4	3.3	3.3	3.5	6.1	6.0	5.6	5.7	5.4	5.6	5.7
RI	0.0	2.1	2.3	0.0	2.4	1.5	1.5	0.0	5.2	4.9	0.0	5.7	3.9	3.8
SC	4.9	4.2	3.6	3.3	3.4	3.8	3.9	7.6	7.8	5.9	6.1	5.8	7.8	6.9
SD	1.3	1.2	1.1	1.2	0.0	1.2	1.3	3.6	3.7	3.6	3.5	0.0	4.2	3.6
TN	4.5	4.6	4.4	3.9	4.0	3.9	3.5	6.5	6.8	6.9	6.4	6.1	6.5	6.2
TX	5.7	5.1	5.2	4.6	4.1	4.2	4.7	8.2	7.4	8.1	7.6	6.3	6.6	6.8
UT	5.3	4.5	4.1	3.8	4.1	4.1	3.6	8.6	7.4	7.6	6.9	7.0	7.5	6.7
VA	4.9	4.6	3.6	3.3	3.3	3.0	2.9	8.2	6.1	6.3	5.8	5.9	6.4	5.6
VT	2.0	2.2	2.0	2.2	2.4	2.1	2.0	5.0	5.0	4.5	5.0	6.5	5.0	4.9
WA	3.6	3.9	2.3	2.2	2.3	2.3	2.3	7.6	8.7	5.7	5.5	5.8	5.0	5.5
WI	2.8	3.3	3.1	3.4	3.0	2.9	2.4	5.4	5.8	5.7	5.8	5.5	5.7	4.9
WV	5.8	5.2	5.7	4.3	4.3	4.5	4.4	7.6	7.6	8.9	7.0	6.6	7.3	6.5
WY	7.4	5.9	5.3	6.3	6.5	5.8	7.9	9.2	8.1	9.1	10.5	9.0	8.1	11.8
US	4.7	4.4	4.1	3.9	3.8	3.8	3.8	7.1	6.7	6.8	6.5	6.1	6.4	6.3
Facilities	892	833	753	766	726	691	712	862	792	721	744	678	676	691

Facilities with Medicaid-Only Certified Beds (Title 19)

Tables 29 and 30 show facilities with Medicaid-only beds. In 2006, there were a total of 768 such facilities that had RN staffing data available. Medicaid-only nursing facilities represented only 3.7 percent of the total nursing facilities in 2006 (Table 5).

RN Hours

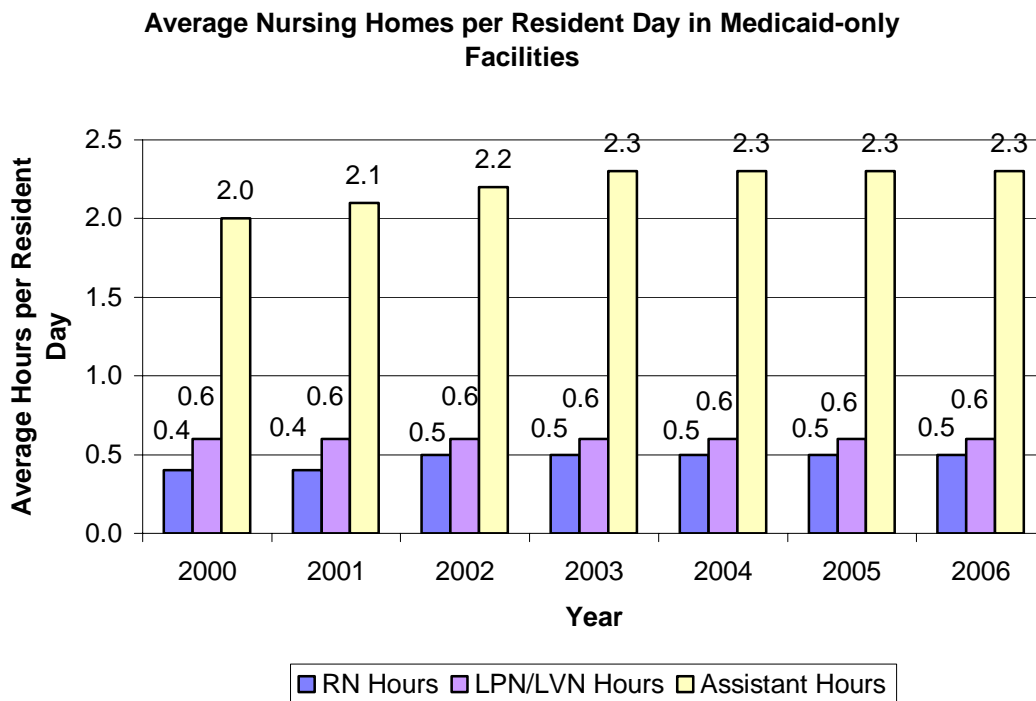
The average RN hours per resident day are shown in Table 29. In 2000, the average RN hours were 0.4 and increased to 0.5 in 2006. The ratio of RNs hours varied across states.

LPN/LVN Hours

The average LPN/LVN hours per resident day are shown in Table 29. The average LPN/LVN hours were 0.6 in 2000 and in 2006. The ratio of LPN/LVN hours varied across states.

Nursing Aide/Assistant Hours

The average NA hours per resident day are shown in Table 29. The average NA hours were 2.0 in 2000 and increased to 2.3 in 2006 (or by 15 percent). The ratio of NA hours varied across states.



**TABLE 29
AVERAGE RN, LPN/LVN, AND ASSISTANT HOURS PER RESIDENT DAY
IN FACILITIES WITH MEDICAID ONLY BEDS (TITLE 19)**

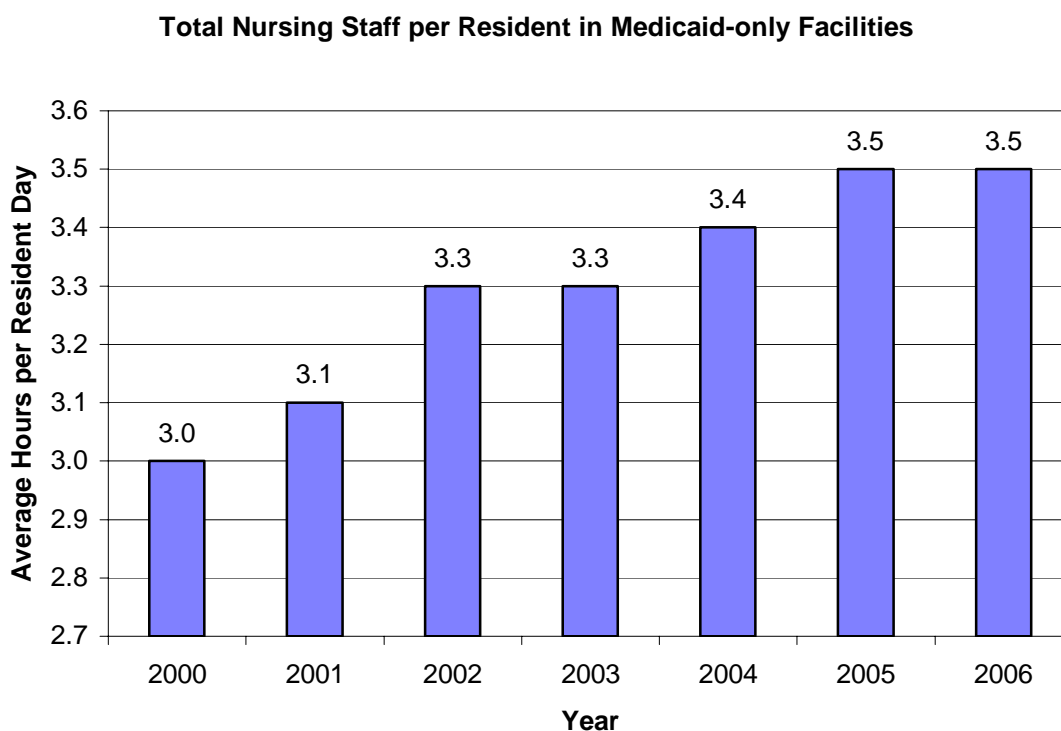
State	RN Hours							LPN/LVN Hours							Assistant Hours						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AL	0.6	0.6	0.8	0.7	0.6	1.0	0.9	0.7	0.8	0.9	0.9	1.1	1.3	1.2	3.1	3.2	3.8	3.9	3.6	4.0	3.5
AR	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.7	0.7	0.8	0.8	0.8	0.9	0.9	2.0	2.1	2.4	2.5	2.6	2.7	2.8
AZ	0.5	0.5	0.6	0.6	0.7	0.7	0.7	1.5	1.1	1.4	1.4	1.4	1.1	1.4	1.0	0.9	0.9	0.9	1.2	1.0	1.6
CA	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.7	0.7	1.8	1.9	2.1	2.2	2.2	2.3	2.3
CO	0.7	0.6	0.7	0.7	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	2.2	2.2	2.3	2.5	2.4	2.7	2.7
CT	0.6	0.7	0.6	0.0	0.0	0.0	0.0	0.2	0.1	0.3	0.0	0.0	0.0	0.0	1.1	1.2	0.6	0.0	0.0	0.0	0.0
DC	0.0	0.0	0.0	0.0	1.8	0.0	1.5	0.1	0.0	0.3	0.1	0.3	1.7	1.1	0.0	4.6	0.0	4.7	3.8	0.0	0.0
DE	1.0	1.0	1.0	1.0	1.3	1.1	1.2	0.4	0.8	0.6	0.7	1.3	1.5	1.2	2.7	3.0	3.1	2.8	2.5	3.0	3.0
FL	0.6	0.5	0.5	0.7	0.9	0.4	0.8	1.0	0.7	0.9	1.1	1.5	0.9	0.6	2.1	2.3	2.5	2.8	3.0	2.6	2.7
GA	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.8	0.8	0.8	0.8	0.9	0.7	0.5	2.2	2.2	2.3	2.4	2.4	3.6	2.9
HI	0.8	0.5	0.6	0.6	0.7	0.6	0.5	0.3	0.3	0.1	0.4	0.4	0.4	0.4	2.6	2.7	2.6	2.7	2.5	3.1	2.9
IA	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.6	2.0	2.0	2.2	2.3	2.3	2.3	2.4
ID	0.0	0.7	0.8	0.9	0.8	0.7	0.9	0.0	0.7	0.6	0.6	0.7	0.7	0.7	0.0	2.5	2.5	2.7	2.5	2.6	2.9
IL	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.5	0.5	1.6	1.6	1.6	1.6	1.6	1.7	1.6
IN	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	1.9	2.1	2.3	2.2	2.6	2.0	2.6
KS	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.6	2.0	2.1	2.1	2.2	2.3	2.4	2.5
KY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LA	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.7	0.7	0.7	0.7	0.9	0.0	0.0	1.9	2.0	2.0	2.1	2.0	0.0	0.0
MA	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.5	0.6	0.7	0.6	0.7	0.7	0.7	1.8	2.2	2.2	2.5	2.5	2.5	2.6
MD	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.6	0.5	0.5	0.6	0.6	0.8	1.7	2.2	2.2	2.3	2.4	2.6	2.9
ME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MI	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.6	0.6	0.7	2.2	2.3	2.3	2.2	2.3	2.4	2.4
MN	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.5	0.5	0.5	0.6	0.5	0.5	0.7	0.8	0.7	0.8	0.8	0.9	0.8
MO	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.5	0.6	0.6	0.5	0.6	0.5	2.2	2.4	2.4	2.6	2.6	2.6	2.4
MS	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.9	0.8	0.8	0.8	0.9	0.9	0.9	2.2	2.3	2.3	2.4	2.6	2.6	2.6
MT	0.5	0.9	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	2.1	3.1	0.0	0.0	0.0	0.0	0.0
NC	1.0	1.1	0.9	1.3	0.8	1.0	0.9	0.5	0.7	0.5	0.5	0.7	0.9	0.2	4.3	0.0	0.0	0.0	3.4	0.0	3.0
ND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	2.3	2.3	2.4	2.6	2.5	2.6	2.6
NH	0.8	0.7	0.8	0.9	0.9	0.9	0.8	0.4	0.5	0.5	0.4	0.4	0.5	0.6	2.4	2.3	2.6	2.3	2.9	2.8	2.6
NJ	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
NM	0.5	0.5	0.4	0.7	0.6	0.6	0.8	0.5	0.5	0.4	0.6	0.4	0.8	0.6	2.2	2.1	1.3	1.7	1.6	2.1	2.4
NV	0.6	0.6	0.5	0.5	0.3	0.4	0.4	0.7	0.5	0.7	1.0	0.7	0.8	0.6	1.1	1.3	1.6	1.7	1.6	1.6	1.4
NY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.8	0.8	1.5	1.3	1.1	3.0	3.6	3.3	3.4	3.5	3.8	3.7
OH	0.6	0.5	0.6	0.0	0.6	0.6	0.7	0.0	0.0	0.0	0.0	0.9	1.0	0.9	0.0	0.0	0.0	0.0	2.4	2.6	2.3
OK	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.7	0.7	0.7	2.1	2.4	2.4	2.4	2.3	2.4	2.4
OR	0.5	0.6	0.5	0.5	0.6	0.7	0.6	0.4	0.4	0.4	0.4	0.5	0.4	0.3	2.3	2.4	2.5	2.7	2.5	2.7	2.6
PA	0.9	0.9	0.9	0.8	0.9	0.9	0.8	0.4	0.4	0.5	0.5	0.6	0.6	0.5	2.3	2.3	2.3	2.3	2.4	2.5	2.5
RI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.7	0.6	0.7	0.7	0.8	0.8	0.7	0.4	0.4	0.4	0.4	0.4	0.0	0.3	2.1	2.1	2.2	2.3	2.3	2.2	2.3
TN	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7	0.6	0.7	0.6	0.7	1.8	2.0	2.0	2.1	2.2	2.0	2.2
TX	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2	2.2	2.3	2.3	2.4	2.3	2.4
UT	0.4	0.5	0.5	0.4	0.5	0.5	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.5	2.2	1.7	2.0	2.0	2.1	1.9	1.7
VA	0.5	0.5	0.5	0.6	0.6	0.7	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.9	2.1	2.4	2.5	2.7	2.5	2.5	2.5
VT	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.0	0.0	0.0	0.0	0.0
WA	0.9	0.9	1.0	0.8	1.0	1.0	1.0	0.8	0.8	0.8	0.9	0.6	0.9	0.8	2.1	3.1	2.5	3.1	2.9	3.5	3.2
WI	0.7	0.7	0.7	0.7	0.6	0.7	0.6	0.4	0.4	0.4	0.4	0.5	0.6	0.7	2.1	2.4	2.3	2.4	2.6	2.8	2.5
WV	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.8	0.7	0.7	0.8	1.0	0.9	0.9	2.2	2.3	2.4	2.5	2.9	2.6	2.3
WY	0.8	0.8	0.7	0.8	1.0	1.0	1.0	0.7	0.7	0.6	0.7	0.7	1.0	0.5	2.2	2.7	3.1	2.8	2.5	2.9	2.8
US	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	2.0	2.1	2.2	2.3	2.3	2.3	2.3
Facilities	1,666	1,531	1,422	1,129	974	815	768	1,663	1,533	1,419	1,127	974	815	767	1,816	1,791	1,658	1,535	1,417	1,128	764

Licensed Nursing Hours

Table 30 shows that the average licensed nursing hours (RNs and LPN/LVNs) per resident day in Medicaid only facilities were 1.0 in 2000 and 1.1 in 2006. The average hours varied across states.

Total Nursing Hours

Table 30 shows that the total nursing hours (RNs, LPN/LVNs, and NAs) per resident day were 3.0 in 2000 and 3.5 in 2006 (a 17 percent increase). The total hours varied across states.



**TABLE 30
AVERAGE LICENSED AND COMBINED NURSE HOURS PER RESIDENT DAY
IN FACILITIES WITH MEDICAID ONLY BEDS (TITLE 19)**

State	Licensed Nurse Hours							Total Nursing Staff						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AL	1.3	1.5	1.7	1.8	1.7	2.7	2.3	4.2	4.9	5.5	5.5	5.1	7.3	5.6
AR	0.9	1.0	1.0	1.0	1.0	1.1	1.2	2.9	3.1	3.4	3.6	3.7	3.9	4.0
AZ	2.0	1.6	1.9	1.9	2.1	1.8	2.0	3.0	2.5	2.9	2.9	3.3	2.8	3.6
CA	1.0	1.0	1.0	1.0	0.9	1.1	1.1	2.9	3.0	3.2	3.2	3.2	3.5	3.4
CO	1.3	1.2	1.3	1.3	1.2	1.3	1.2	3.5	3.3	3.7	3.8	3.6	4.0	3.9
CT	0.9	0.9	1.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	0.0	0.0	0.0	0.0
DC	0.0	0.0	0.0	0.0	2.1	0.0	2.6	0.0	0.0	0.0	0.0	6.0	0.0	0.0
DE	1.6	1.7	1.6	1.6	2.1	2.6	2.2	4.3	4.7	4.5	4.4	4.6	5.5	5.2
FL	1.6	1.1	1.5	1.5	2.0	1.2	1.4	3.8	3.2	4.0	4.5	5.6	3.8	4.2
GA	1.1	1.1	1.2	1.2	1.4	1.1	1.1	3.3	3.2	3.4	3.4	3.8	5.1	4.3
HI	1.0	0.8	0.7	1.0	1.1	1.0	0.8	3.6	3.6	3.3	3.6	3.5	4.0	3.8
IA	1.0	1.0	1.0	1.0	1.0	1.2	1.2	3.0	3.0	3.2	3.3	3.3	3.5	3.6
ID	0.0	1.3	1.4	1.5	1.5	1.4	1.7	0.0	3.9	3.9	4.2	4.0	3.9	4.5
IL	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.5	2.6	2.5	2.5	2.5	2.5	2.5
IN	1.2	1.1	1.3	1.2	1.3	1.3	1.4	3.0	3.2	3.5	3.4	3.8	3.5	3.9
KS	1.0	1.0	1.0	1.0	1.1	1.1	1.1	3.0	3.1	3.1	3.3	3.4	3.5	3.6
KY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LA	0.9	0.9	0.9	0.9	1.1	0.0	0.0	2.8	3.0	3.0	3.1	3.1	0.0	0.0
MA	1.1	1.3	1.3	1.3	1.5	1.4	1.4	2.9	3.4	3.5	3.6	4.0	3.8	3.8
MD	0.9	1.1	1.0	0.9	1.1	1.2	1.2	2.8	3.3	3.2	3.2	3.5	3.8	4.2
ME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MI	1.0	1.1	1.0	1.1	1.1	1.1	1.1	3.2	3.4	3.4	3.3	3.4	3.5	3.5
MN	1.0	0.8	0.8	0.8	0.9	0.8	0.9	1.8	1.7	1.5	1.8	1.7	1.8	1.8
MO	0.9	0.9	1.0	0.9	0.9	1.0	1.0	3.1	3.3	3.4	3.5	3.5	3.5	3.4
MS	1.3	1.2	1.2	1.3	1.3	1.4	1.3	3.6	3.5	3.6	3.7	3.9	3.9	3.9
MT	0.9	1.1	0.0	0.0	0.0	0.0	0.0	3.0	4.2	0.0	0.0	0.0	0.0	0.0
NC	1.6	1.6	1.2	1.8	1.6	1.3	1.1	5.8	0.0	0.0	0.0	4.4	0.0	4.1
ND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	1.2	1.2	1.2	1.3	1.3	1.4	1.4	3.4	3.5	3.7	3.9	3.9	4.1	3.9
NH	1.2	1.2	1.2	1.3	1.3	1.4	1.4	3.6	3.7	3.9	3.6	4.2	4.1	4.0
NJ	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0
NM	0.9	1.0	1.2	1.5	1.4	2.5	1.4	3.1	3.1	3.1	3.1	3.6	6.7	3.8
NV	1.3	1.0	1.2	1.4	1.1	1.2	1.0	2.4	2.3	2.8	3.1	2.7	2.8	2.5
NY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OH	1.4	1.4	1.4	1.5	1.5	1.6	1.6	3.5	3.5	3.6	3.9	3.9	4.3	3.8
OK	0.9	0.9	0.9	0.9	1.0	1.0	1.0	3.0	3.3	3.3	3.4	3.4	3.4	3.4
OR	0.9	1.0	0.9	0.9	1.0	1.1	1.0	3.1	3.3	3.4	3.5	3.4	3.7	3.5
PA	1.3	1.4	1.4	1.3	1.5	1.5	1.4	3.6	3.5	3.8	3.6	3.9	4.0	3.8
RI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	1.1	1.0	1.1	1.1	1.2	1.1	1.1	3.2	3.1	3.3	3.3	3.5	3.4	3.3
TN	0.9	0.9	1.0	0.9	1.0	1.0	1.0	2.8	3.0	3.1	3.1	3.2	3.0	3.3
TX	1.0	1.0	1.0	1.1	1.1	1.1	1.1	3.2	3.2	3.3	3.4	3.5	3.4	3.5
UT	1.1	1.1	1.1	1.0	1.0	1.1	1.1	3.2	2.8	3.2	3.0	3.1	3.0	2.8
VA	1.2	1.2	1.3	1.3	1.4	1.4	1.5	3.4	3.5	3.8	3.9	3.8	4.0	3.9
VT	0.8	0.7	0.0	0.0	0.0	0.0	0.0	1.6	2.3	0.0	0.0	0.0	0.0	0.0
WA	1.9	1.7	1.7	1.7	1.6	1.9	1.8	5.1	4.6	3.7	4.4	4.5	5.2	4.5
WI	1.1	1.1	1.1	1.1	1.1	1.2	1.2	3.3	3.4	3.5	3.5	3.7	3.9	3.7
WV	1.1	1.1	1.1	1.2	1.5	1.4	1.3	3.4	3.4	3.6	3.7	4.4	3.9	3.6
WY	1.2	1.5	1.2	1.5	1.7	2.0	1.4	3.7	3.5	4.1	4.3	4.2	4.9	4.3
US	1.0	1.0	1.1	1.1	1.1	1.1	1.1	3.0	3.1	3.3	3.3	3.4	3.5	3.5
Facilities	1,628	1,489	1,381	1,100	951	795	749	1,607	1,473	1,361	1,082	934	781	737

Total Certified Facilities (Title 19, Title 18/19, and Title 18)

Table 31 and 32 shows a combined total of about 13,600 to 14,500 facilities (with Title 19, Title 18/19, and Title 18 only beds) which had useable staffing data for the staffing analysis in 2006.

Registered Nursing Hours

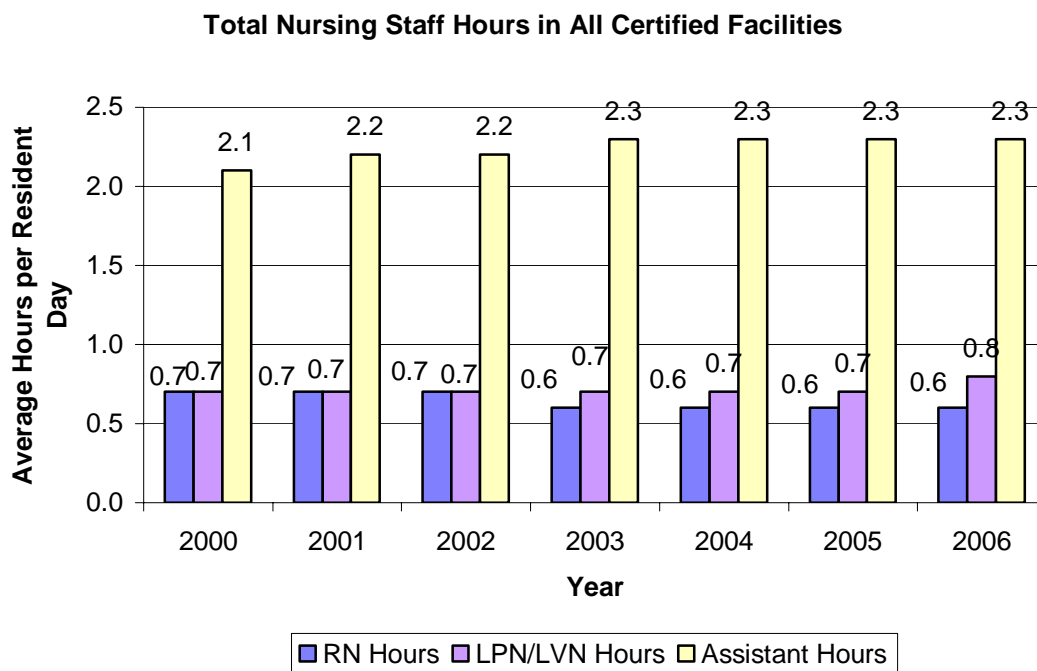
The average RN hours per resident day are shown in Table 31. The average hours were 0.7 in 2000 then declining to 0.6 during 2003-2006. This is a 14 percent decline in RN hours since 2000. The 0.6 ratio translates to 36 minutes per resident day or 12 minutes per 8 hour shift. This table shows that nursing assistant hours are partially being substituted for RN hours.

LPN/LVN Nursing Hours

The average LPN/LVN hours per resident day are shown in Table 31. There were an average of 0.7 hours per resident day in 2000-2006. This represents 42 minutes per resident day or 14 minutes per 8 hour shift. This table shows that nursing assistant hours are partially being

Nursing Aide/Assistant Hours

The average NA hours per resident day are shown in Table 31. The average was 2.1 hours in 2000, and increased to 2.2 in 2001-2002 and again to 2.3 in 2003-2006, (9.5 percent increase). This was 138 minutes per resident day or 46 minutes per 8 hour shift in 2006.



**TABLE 31
AVERAGE RN, LPN/LVN, & ASSISTANT HOURS PER RESIDENT DAY
IN ALL CERTIFIED NURSING FACILITIES IN THE U.S.**

State	RN Hours							LPN/LVN Hours							Assistant Hours						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	1.4	1.1	0.9	1.3	1.2	1.1	1.2	0.7	0.6	0.6	0.6	0.7	0.6	0.7	3.0	2.7	2.7	3.0	3.3	2.9	3.2
AL	0.6	0.5	0.5	0.5	0.5	0.5	0.5	1.0	0.9	0.9	1.0	1.0	1.0	1.0	2.5	2.5	2.5	2.6	2.6	2.5	2.5
AR	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.9	0.8	0.9	0.9	0.9	0.9	0.9	2.0	2.1	2.3	2.4	2.5	2.6	2.5
AZ	0.9	0.7	0.7	0.6	0.6	0.6	0.5	0.8	0.8	0.8	0.8	0.9	0.8	0.9	2.2	2.1	2.1	2.2	2.2	2.2	2.1
CA	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.7	2.3	2.3	2.4	2.5	2.5	2.5	2.5
CO	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.8	2.0	2.0	2.2	2.1	2.2	2.2	2.2
CT	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.5	0.6	0.6	0.6	0.6	0.6	2.1	2.1	2.2	2.2	2.3	2.3	2.3
DC	0.9	0.7	0.6	0.5	0.7	0.6	0.7	0.9	0.8	0.8	0.9	1.0	1.0	1.1	2.5	2.2	2.3	2.5	2.7	2.3	2.5
DE	1.0	0.8	0.8	0.8	0.9	0.8	0.9	0.7	0.7	0.7	0.7	0.8	0.9	0.9	2.3	2.3	2.4	2.4	2.5	2.4	2.4
FL	0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.9	0.8	0.9	0.9	0.9	1.0	1.0	2.1	2.1	2.5	2.7	2.7	2.8	2.8
GA	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.9	0.9	0.9	2.0	2.1	2.2	2.1	2.1	2.1	2.1
HI	1.1	0.9	0.8	0.8	0.8	0.8	1.1	0.8	0.5	0.5	0.5	0.6	0.6	0.7	2.4	2.6	2.6	2.5	2.5	2.6	2.6
IA	0.7	0.6	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.6	1.9	1.9	2.0	2.1	2.1	2.1	2.1
ID	1.1	1.1	0.8	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.9	2.7	2.7	2.6	2.7	2.6	2.6	2.6
IL	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.5	0.5	0.5	0.5	0.6	0.6	1.9	1.8	1.9	1.9	1.9	2.0	1.9
IN	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.8	0.9	0.8	0.9	0.9	0.9	0.9	1.8	1.9	2.0	2.0	2.1	2.0	2.1
KS	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.6	0.6	0.6	2.1	2.1	2.2	2.2	2.3	2.3	2.4
KY	0.8	0.7	0.7	0.7	0.8	0.7	0.7	0.9	0.8	0.8	0.9	0.9	0.8	0.8	2.3	2.4	2.5	2.4	2.5	2.4	2.4
LA	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.9	0.9	0.8	0.9	0.9	0.9	0.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1
MA	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.7	2.2	2.2	2.3	2.3	2.3	2.3	2.3
MD	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.8	0.8	2.3	2.3	2.3	2.4	2.4	2.4	2.3
ME	0.9	0.8	0.8	0.9	0.9	0.9	0.9	0.4	0.4	0.5	0.5	0.4	0.4	0.4	2.7	2.7	2.8	2.9	3.0	2.9	2.9
MI	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.7	0.7	2.3	2.3	2.4	2.4	2.3	2.3	2.3
MN	0.6	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.1	2.1	2.2	2.2	2.2	2.3
MO	0.8	0.6	0.6	0.6	0.5	0.5	0.5	0.8	0.7	0.7	0.7	0.7	0.7	0.7	2.2	2.3	2.4	2.4	2.4	2.4	2.4
MS	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.2	2.2	2.2	2.3	2.3	2.2	2.3
MT	1.0	0.8	0.9	0.9	0.8	0.8	0.9	0.7	0.6	0.6	0.5	0.6	0.6	0.6	2.3	2.4	2.4	2.5	2.5	2.1	2.4
NC	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.8	0.7	0.8	0.8	0.8	0.8	0.8	2.2	2.2	2.3	2.2	2.3	2.3	2.3
ND	0.7	0.7	0.6	0.7	0.7	0.7	0.8	0.6	0.6	0.6	0.6	0.6	0.6	0.7	2.4	2.5	2.5	2.6	2.7	2.7	2.6
NE	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	2.1	2.2	2.3	2.4	2.4	2.4	2.3
NH	0.9	0.8	0.9	0.8	0.9	0.9	0.8	0.6	0.5	0.6	0.6	0.6	0.6	0.6	2.3	2.2	2.3	2.3	2.4	2.4	2.4
NJ	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.6	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.1	2.1	2.2	2.2	2.2	2.2
NM	0.8	0.7	0.5	0.8	0.6	0.6	0.6	0.6	0.5	0.3	0.6	0.5	0.6	0.6	2.3	2.2	1.4	2.2	1.9	1.9	2.2
NV	1.4	1.0	0.8	0.7	0.6	0.6	0.6	0.8	0.7	0.8	0.8	0.7	0.8	0.7	2.4	2.1	2.1	2.2	2.1	2.2	2.0
NY	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.7	2.0	2.1	2.2	2.2	2.2	2.2	2.2
OH	0.9	0.8	0.7	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	2.2	2.2	2.3	2.3	2.3	2.3	2.3
OK	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.7	0.7	0.7	0.7	0.8	0.8	2.0	2.2	2.4	2.3	2.4	2.4	2.4
OR	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.5	0.5	0.5	2.4	2.4	2.5	2.5	2.5	2.5	2.6
PA	1.0	1.0	0.9	0.9	0.8	0.8	0.9	0.7	0.7	0.7	0.8	0.8	0.8	0.8	2.1	2.2	2.2	2.2	2.2	2.2	2.2
RI	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.0	2.1	2.1	2.2	2.2	2.4	2.3
SC	1.0	0.8	0.7	0.7	0.7	0.7	0.7	0.9	0.8	0.9	0.9	0.9	1.0	1.0	2.6	2.5	2.3	2.4	2.4	2.5	2.4
SD	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.1	2.1	2.1	2.2	2.2	2.2	2.2
TN	0.6	0.6	0.5	0.5	0.6	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.9	0.9	1.8	1.9	2.0	2.0	2.1	2.1	2.1
TX	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.9	0.9	0.8	0.8	0.8	0.8	0.8	2.1	2.0	2.2	2.2	2.1	2.1	2.1
UT	1.0	0.9	0.9	1.0	0.9	1.1	1.0	0.6	0.6	0.7	0.6	0.6	0.7	0.6	2.4	2.3	2.4	2.4	2.5	2.6	2.4
VA	0.7	0.6	0.6	0.6	0.5	0.5	0.6	0.8	0.8	0.9	0.9	0.9	0.9	0.9	2.0	2.1	2.1	2.1	2.1	2.1	2.1
VT	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8	2.2	2.2	2.4	2.2	2.3	2.4	2.4
WA	0.9	0.8	0.8	0.8	0.8	0.7	0.8	0.6	0.6	0.6	0.6	0.6	0.7	0.7	2.4	2.4	2.4	2.4	2.4	2.5	2.4
WI	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.4	0.4	0.5	0.5	0.5	0.5	0.5	2.2	2.2	2.3	2.3	2.4	2.4	2.4
WV	0.9	0.8	0.7	0.8	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.8	2.2	2.1	2.3	2.1	2.2	2.1	2.0
WY	1.1	0.9	0.9	0.8	1.0	1.0	1.0	0.7	0.7	0.5	0.6	0.6	0.6	0.6	2.2	2.2	2.6	2.4	2.2	2.3	2.3
US	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8	2.1	2.2	2.2	2.3	2.3	2.3	2.3
Facilities	13951	14022	14256	14359	14281	14078	14409	13919	14008	14238	14336	14266	14079	14395	13872	13943	14184	14300	14224	14044	14360

Licensed Nursing Hours

Table 32 shows the average licensed nursing hours (RNs and LPN/LVNs) per resident day was 1.5 from 2000 and decreased to 1.4 during 2001-2006.

Total Nursing Hours

Table 32 shows the total nursing hours (RNs, LPN/LVNs, and NAs) per resident day was 3.6 hours per resident day in 2000 and this increased to 3.7 hours per resident day in 2006. In 2006, this was about 222 minutes per resident day or 74 minutes per 8 hour shift. The decline in licensed nursing hours were offset by an increase in nursing assistant hours.

**TABLE 32
AVERAGE LICENSED AND COMBINED NURSE HOURS PER RESIDENT DAY
IN ALL CERTIFIED NURSING FACILITIES COMBINED**

State	Licensed Nurse Hours							Total Nursing Staff Hours						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	2.1	1.8	1.7	2.0	1.9	1.9	1.9	5.0	4.8	4.4	5.3	5.2	5.0	5.4
AL	1.4	1.4	1.4	1.5	1.5	1.6	1.5	3.9	3.9	3.9	4.0	4.0	4.0	4.0
AR	1.3	1.3	1.4	1.5	1.3	1.5	1.4	3.3	3.5	3.7	3.8	3.9	4.1	4.0
AZ	1.6	1.5	1.4	1.4	1.4	1.4	1.4	3.9	3.4	3.5	3.5	3.5	3.6	3.5
CA	1.4	1.3	1.3	1.2	1.2	1.2	1.3	3.6	3.6	3.7	3.7	3.7	3.7	3.8
CO	1.5	1.6	1.5	1.4	1.5	1.5	1.6	3.5	3.6	3.7	3.6	3.7	3.8	3.8
CT	1.2	1.3	1.3	1.3	1.3	1.3	1.4	3.4	3.5	3.5	3.5	3.7	3.6	3.6
DC	1.8	1.6	1.4	1.5	1.7	1.6	1.7	4.3	3.7	3.7	4.0	4.3	4.0	4.0
DE	1.6	1.5	1.5	1.6	1.7	1.6	1.7	3.9	3.8	4.0	4.0	4.2	4.0	4.2
FL	1.6	1.5	1.5	1.5	1.5	1.6	1.5	3.7	3.6	4.1	4.2	4.3	4.4	4.3
GA	1.2	1.2	1.2	1.2	1.2	1.3	1.3	3.2	3.3	3.4	3.3	3.4	3.4	3.4
HI	1.7	1.4	1.3	1.3	1.3	1.2	1.7	3.9	4.0	3.9	3.9	3.8	3.8	4.1
IA	1.2	1.1	1.2	1.2	1.2	1.2	1.2	3.1	3.0	3.2	3.2	3.2	3.2	3.3
ID	2.0	1.7	1.6	1.7	1.6	1.8	1.8	4.8	4.4	4.2	4.4	4.1	4.5	4.5
IL	1.4	1.3	1.3	1.2	1.3	1.3	1.3	3.2	3.1	3.2	3.1	3.2	3.3	3.2
IN	1.6	1.6	1.5	1.4	1.5	1.5	1.6	3.3	3.4	3.5	3.4	3.5	3.5	3.6
KS	1.3	1.3	1.2	1.1	1.1	1.1	1.2	3.3	3.4	3.3	3.4	3.5	3.5	3.5
KY	1.7	1.5	1.5	1.5	1.6	1.5	1.5	3.9	4.0	4.0	4.0	4.1	4.0	3.9
LA	1.5	1.4	1.3	1.3	1.3	1.4	1.3	3.4	3.5	3.4	3.3	3.4	3.4	3.4
MA	1.4	1.4	1.4	1.4	1.4	1.5	1.5	3.6	3.6	3.7	3.6	3.7	3.8	3.8
MD	1.3	1.3	1.3	1.3	1.3	1.4	1.4	3.6	3.6	3.6	3.7	3.7	3.8	3.7
ME	1.3	1.3	1.3	1.4	1.4	1.3	1.4	4.0	4.0	4.3	4.2	4.3	4.3	4.3
MI	1.3	1.3	1.3	1.2	1.3	1.3	1.3	3.5	3.6	3.7	3.6	3.6	3.6	3.7
MN	1.2	1.2	1.2	1.2	1.3	1.3	1.3	3.2	3.2	3.3	3.5	3.5	3.6	3.6
MO	1.6	1.3	1.3	1.3	1.2	1.2	1.2	3.8	3.5	3.7	3.6	3.5	3.5	3.6
MS	1.7	1.7	1.6	1.6	1.6	1.6	1.5	3.9	3.9	3.9	3.9	3.9	3.8	3.8
MT	1.7	1.4	1.5	1.4	1.3	1.4	1.5	4.0	3.8	3.9	3.8	3.8	3.8	3.9
NC	1.4	1.4	1.4	1.4	1.4	1.5	1.4	3.6	3.6	3.7	3.6	3.7	3.7	3.7
ND	1.3	1.3	1.3	1.3	1.3	1.4	1.4	3.7	3.9	3.8	3.9	4.0	4.1	4.0
NE	1.3	1.2	1.2	1.2	1.3	1.3	1.3	3.3	3.4	3.5	3.6	3.7	3.6	3.6
NH	1.5	1.3	1.5	1.4	1.5	1.5	1.4	3.7	3.6	3.8	3.8	3.8	3.9	3.8
NJ	1.4	1.5	1.4	1.4	1.4	1.4	1.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6
NM	1.3	1.2	1.2	1.5	1.4	1.3	1.2	3.7	3.5	3.3	3.9	3.7	3.5	3.4
NV	2.3	1.6	1.5	1.4	1.3	1.3	1.4	4.1	3.7	3.5	3.5	3.4	3.5	3.4
NY	1.2	1.2	1.3	1.3	1.3	1.3	1.3	3.3	3.3	3.5	3.5	3.6	3.6	3.6
OH	1.7	1.6	1.6	1.6	1.6	1.6	1.6	3.9	3.8	3.9	4.0	3.9	3.9	3.8
OK	1.2	1.2	1.1	1.1	1.1	1.2	1.1	3.2	3.4	3.5	3.4	3.5	3.7	3.5
OR	1.2	1.1	1.1	1.2	1.2	1.2	1.2	3.5	3.5	3.6	3.7	3.8	3.7	3.8
PA	1.7	1.7	1.6	1.6	1.6	1.6	1.7	3.8	3.9	3.8	3.9	3.8	3.9	3.9
RI	1.1	1.1	1.0	1.0	1.0	1.1	1.0	3.1	3.3	3.2	3.2	3.3	3.5	3.4
SC	1.7	1.6	1.6	1.5	1.6	1.6	1.7	4.0	4.1	3.9	3.9	4.0	4.1	4.0
SD	1.1	1.0	1.0	1.0	1.1	1.0	1.0	3.1	3.1	3.2	3.2	3.2	3.2	3.2
TN	1.5	1.4	1.4	1.4	1.4	1.4	1.4	3.3	3.4	3.4	3.5	3.5	3.5	3.5
TX	1.6	1.5	1.4	1.4	1.3	1.3	1.4	3.6	3.5	3.6	3.5	3.5	3.4	3.4
UT	1.6	1.6	1.5	1.5	1.6	1.8	1.7	4.0	3.8	3.9	3.9	4.0	4.3	4.1
VA	1.4	1.4	1.4	1.4	1.4	1.5	1.4	3.4	3.4	3.5	3.5	3.5	3.6	3.6
VT	1.4	1.4	1.4	1.4	1.3	1.4	1.4	3.7	3.7	3.8	3.8	3.6	3.8	3.9
WA	1.4	1.4	1.4	1.4	1.4	1.4	1.4	3.9	3.8	3.8	3.8	3.8	3.9	3.8
WI	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.3	3.4	3.5	3.5	3.5	3.6	3.6
WV	1.8	1.7	1.6	1.7	1.6	1.6	1.6	3.9	3.8	3.8	3.9	3.8	3.8	3.7
WY	1.8	1.7	1.4	1.4	1.6	1.6	1.7	3.9	3.8	4.0	3.8	3.8	3.8	4.2
US	1.5	1.4	1.4	1.4	1.4	1.4	1.4	3.6	3.5	3.6	3.6	3.7	3.7	3.7
Facilities	13,631	13,569	13,640	13,872	13,919	13,724	14,034	13,384	13,407	13,633	13,753	13,696	13,527	13,813

FACILITY DEFICIENCIES FROM STATE SURVEY EVALUATIONS

Background

Nursing facilities provide care to prevent problems or to address resident problems with cognition, communication/hearing, vision, physical functioning, continence, psychosocial functioning, mood and behavior, oral/ nutritional and dental care, skin condition, and medications (Morris et al., 1990; Gustafson et al., 1990). These care processes can include urinary training programs, assistance with feeding and mobility, and other activities. A number of clinical process measures have been associated with poor patient outcomes. Urethral catheterization may place residents at greater risk for urinary infection and hospitalization or other complications such as bladder and renal stones, abscesses, and renal failure (Ouslander, Kane and Abrass, 1982; Ouslander and Kane, 1984; Ribeiro and Smith, 1985). Restraints have been under criticism because their use may cause decreased muscle tone and increased likelihood of falls, incontinence, pressure ulcers, depression, confusion and mental deterioration (Evans and Strumpf, 1989; Libow and Starer, 1989; Burton et al., 1992; Phillips et al., 1993). Tube feedings also increase the risk of complications including lung infections, aspiration, misplacement of the tube and pain (Libow and Starer, 1989). Another common problem in nursing homes is the improper use of psychotropic drugs identified in a number of studies (Harrington et al., 1992). An outcome is an evaluation of the impact of facility care on a resident, whereas a process indicator is services or activities which a

facility does or does not provide. A number of quality outcomes have been identified, such as: urinary incontinence, falls, weight loss, and infectious disease (Libow and Starer, 1989). Other negative outcomes are behavioral/ emotional problems, cognitive problems, pressure ulcers, and deterioration in physical functioning (Zimmerman et al., 1995).

State surveyors assess both the process and the outcomes of nursing home care in 15 major areas. Each of these areas has specific regulations which state surveyors review to determine whether or not facilities have met the standards. In July 1995, HCFA consolidated the 325 measures of quality to a total of 185 measures. This report shows data for 1996 through 2002 using the 185 consolidated measures.

Of the total survey requirements, most are considered process indicators and some are outcome measures. The process measures include whether proper procedures are used in providing each of the major nursing home services. The outcome measures include ensuring that negative problems do not occur such as: residents without an indwelling catheter are not catheterized; residents do not experience a reduction in range of motion; residents able to eat alone/with assistance are not fed by naso-gastric tube; and residents maintain acceptable parameters of nutritional status. Where a facility fails to meet a standard, a deficiency or citation is given to the

facility for that individual standard. The deficiencies are given for problems which can result in a negative impact on the health and safety of residents. Beginning in July 1995, HCFA surveyors also rate each deficiencies based on scope and severity for purposes of enforcement.

The deficiencies rated as causing actual harm or immediate jeopardy are the most serious (rated at a G level or higher). The overall deficiency data on process and outcome measures from OSCAR are limited to whether or not the facility meets each of the minimum standards. Since there are many survey measures (or items), only a selected number of these are presented in the report. The measures with the highest percent of facilities with deficiencies were examined.

Each table shows an identifying number (F-tag) and a short description of each standard or item. A detailed list of all the F-tags and longer descriptions are shown in the last table. Definitions of deficiencies are given in the State Operations Manual which was published in June 1995 by the Health Care Financing Administration.

Changes were made in some of the deficiency categories by the Centers for Medicare and Medicaid Services. Two new items were requirements were added and several requirements were combined. These changes were taken into account in the data book for 2006 and these requirements were then revised for the previous years, as follows:

F315 and 316 were combined into F315, Urinary Incontinence Care

F329, F330 and F331 were combined into F329, Unnecessary Drugs.

F334, Influenza/Pneumococcal Immunizations is a new item

F355, Nursing Waivers is a new item (there were none for 2006)

F356, Posting Nurse Staff Information was new

F425, F426, and F427 were combined into F425, Pharmacy Services

F428, F429, F430 were combined into F428, Drug Regimen Review

F431 and F432 were combined into F431, Consultation, Labeling and Storage

There was a decline in the average number of deficiencies issued per facility over the 1993-1997 period (Harrington and Carrillo, 1999). By 2001, there was a gradual increase in deficiencies over the previous three years. Another study by Harrington et al (2004) showed that the enforcement activities were limited across the states.

Nevertheless, as noted earlier, the IOM (2001) recommended that CMS strengthen the survey and the enforcement process to achieve greater uniformity across states and to encourage facilities to comply with federal standards. The US GAO (2003; 2004) and the Inspector General (2004) continue to recommend improvements in enforcement and standardization of the survey and enforcement process.

FINDINGS

DEFICIENCIES FROM QUALITY OF CARE EVALUATION

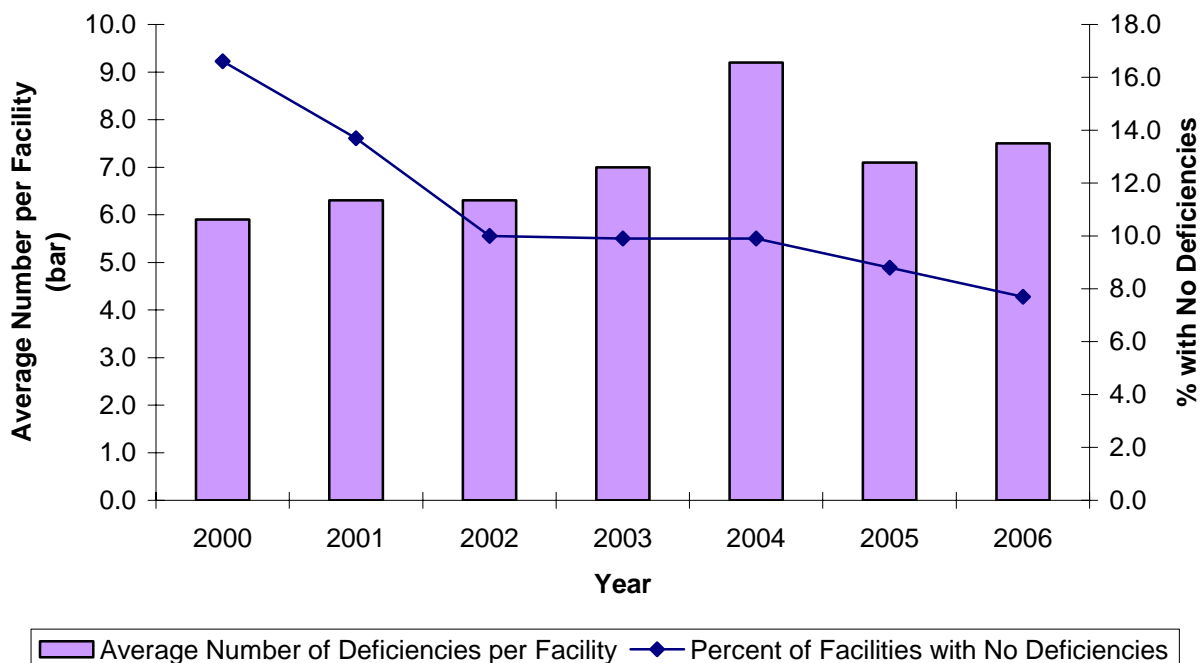
Average Number of Deficiencies per Certified Nursing Facility

Table 33 shows the U.S. average number of deficiencies per facility increased from 5.9 deficiencies per facility in 2000 to 9.2 per facility in 2004, but decreased to 7.5 in 2006. In 2006, the average number of deficiencies varied substantially across the states (from 4.3 percent in Rhode Island to 15.8 percent in the District of Columbia).

Percent of Facilities with No Deficiencies

The percent of facilities reporting no deficiencies in the U.S. decreased from 16.6 percent in 2000 to 7.7 percent in 2006 (See Table 33). The percent of facilities with no deficiencies varied by state from 0 percent in the Arkansas, District of Columbia, Hawaii, Idaho, and Wyoming to 25.0 percent in New Hampshire in 2006.

Average Number of Deficiencies & Percent without Deficiencies



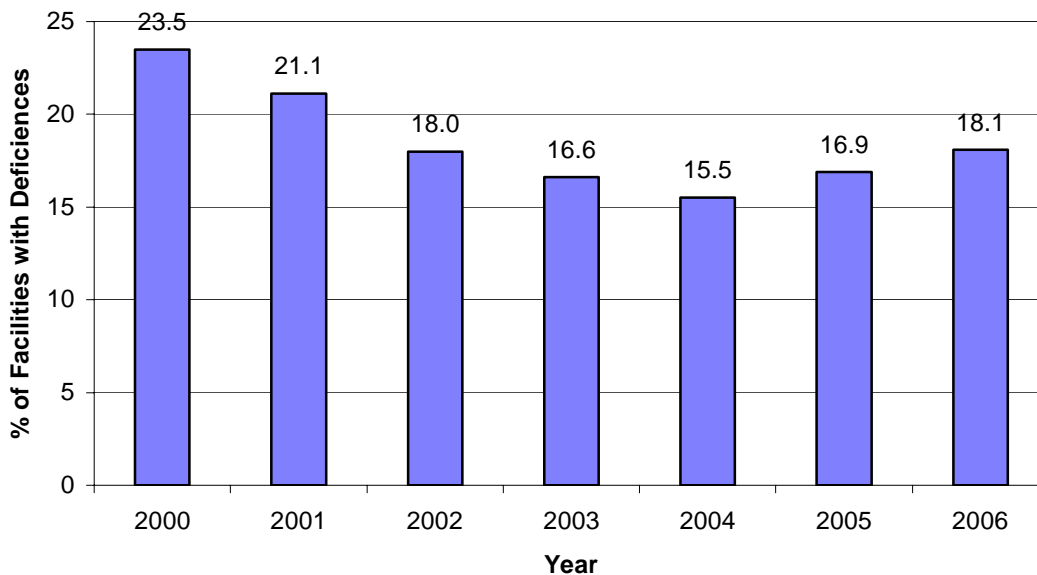
**TABLE 33
AVERAGE NUMBER OF DEFICIENCIES PER CERTIFIED NURSING FACILITY
AND PERCENT OF FACILITIES WITH NO DEFICIENCIES**

State	Average Number Of Deficiencies Per Facility							Percent of Facilities With No Deficiencies						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
AK	5.5	6.1	4.4	3.8	6.9	5.5	9.6	15.4	7.1	8.3	7.1	0.0	20.0	0.0
AL	7.4	6.5	6.2	7.0	10.1	9.6	6.9	3.2	8.2	8.3	8.3	9.9	2.5	3.0
AR	7.6	7.9	6.8	9.7	12.2	10.4	13.3	6.0	4.7	3.4	2.2	2.1	3.0	1.7
AZ	8.1	10.2	7.5	9.0	11.6	10.1	9.4	2.9	3.9	0.8	5.4	2.6	6.9	6.1
CA	11.3	11.3	9.9	10.8	15.6	10.8	11.6	5.4	1.8	2.5	2.8	1.9	1.1	1.8
CO	4.6	5.3	5.6	7.8	10.9	9.2	10.3	18.1	12.5	6.1	6.3	3.9	3.9	4.0
CT	4.6	5.7	5.8	7.4	12.1	9.0	10.4	11.6	6.2	3.8	4.9	3.3	3.5	2.1
DC	8.4	11.5	9.5	12.8	18.2	14.6	15.8	5.9	0.0	10.0	0.0	0.0	0.0	0.0
DE	7.0	6.6	4.2	7.7	13.4	9.7	14.1	7.7	15.8	30.3	2.7	10.3	2.4	2.4
FL	6.4	7.9	7.3	9.2	10.4	8.4	9.2	8.0	3.0	2.9	2.9	3.9	2.2	2.7
GA	5.3	5.7	8.1	9.9	10.0	7.2	7.4	12.5	9.6	4.6	4.1	8.3	3.0	5.4
HI	7.3	10.4	9.5	9.9	12.8	10.6	8.0	5.1	5.7	0.0	3.1	2.9	0.0	0.0
IA	3.5	4.2	4.1	4.6	6.6	4.5	4.5	25.5	13.4	13.8	17.9	16.1	12.4	13.1
ID	6.9	6.6	9.4	7.8	11.2	9.9	10.2	8.0	8.2	2.8	4.0	1.5	2.8	0.0
IL	5.7	5.2	4.3	5.0	6.2	4.9	5.3	10.6	12.8	12.9	13.0	12.9	9.2	12.4
IN	7.3	6.2	5.4	5.3	6.8	7.0	7.2	11.2	12.4	16.0	18.5	18.9	9.0	10.7
KS	7.3	6.9	7.3	8.3	11.8	10.1	10.9	14.0	11.1	9.2	9.4	9.8	5.7	4.6
KY	8.2	8.4	7.4	9.0	7.9	4.9	6.0	12.2	3.7	7.7	5.4	9.8	6.8	8.6
LA	5.2	6.9	10.7	8.6	11.7	8.6	7.8	28.9	10.9	5.8	8.9	7.9	6.3	7.3
MA	4.3	4.7	4.8	5.2	6.6	5.8	6.0	24.0	27.8	25.4	22.9	21.5	12.0	16.4
MD	2.9	4.4	6.5	7.6	10.0	8.4	10.0	27.4	12.4	12.2	12.7	10.8	4.8	3.1
ME	3.4	5.1	7.5	10.5	11.1	9.3	9.5	19.6	3.6	3.5	1.9	2.8	0.0	1.8
MI	9.6	8.4	9.2	9.9	10.9	8.8	8.3	3.1	3.1	2.4	3.8	4.3	3.9	4.9
MN	4.9	4.6	5.8	10.1	11.9	9.5	11.6	12.1	13.8	12.8	2.9	5.5	2.3	0.8
MO	5.7	5.5	6.3	7.0	10.1	6.8	7.6	13.8	12.2	10.7	11.2	11.2	10.0	9.7
MS	7.5	6.4	4.8	5.9	5.5	4.1	5.3	7.7	4.3	7.9	10.1	14.0	10.1	9.4
MT	4.7	5.2	4.2	6.3	8.4	7.9	7.7	18.9	10.6	14.9	13.0	4.6	3.4	5.9
NC	5.9	6.2	4.5	7.0	7.7	5.5	5.9	13.1	8.0	13.9	10.4	10.4	6.7	7.4
ND	4.3	3.8	4.4	5.2	5.9	5.4	5.4	11.8	11.8	2.5	6.1	1.2	0.0	1.2
NE	4.5	4.4	4.6	4.3	7.5	4.6	5.9	18.0	19.2	20.5	13.0	9.4	11.6	8.6
NH	4.2	4.7	3.5	4.1	6.8	7.3	5.3	17.1	18.8	37.1	27.0	29.0	9.2	25.0
NJ	4.0	4.9	4.9	5.7	6.8	4.7	4.6	22.6	14.2	14.2	8.8	12.5	8.8	10.9
NM	3.2	5.9	5.5	7.8	9.7	8.1	7.8	40.6	18.5	13.2	14.3	12.3	5.9	7.1
NV	11.0	10.1	9.1	9.6	15.3	9.4	10.5	6.7	0.0	2.3	11.4	9.8	10.9	8.5
NY	4.6	5.6	5.1	5.4	6.3	4.5	5.1	16.9	8.5	6.8	11.8	12.3	6.3	8.1
OH	5.4	5.3	6.0	6.0	6.7	5.4	5.3	14.5	12.7	10.5	13.6	14.8	11.1	13.3
OK	4.7	6.7	7.1	9.4	12.2	8.5	9.4	32.1	15.6	7.4	3.3	5.4	4.9	5.2
OR	5.7	6.1	6.1	7.2	6.1	5.4	5.1	13.6	17.8	11.9	15.8	23.1	25.0	24.1
PA	3.7	4.2	4.0	5.7	7.4	5.2	5.8	28.0	14.4	14.0	7.8	6.3	7.8	6.4
RI	2.1	3.5	4.7	4.4	5.9	4.4	4.3	45.9	21.8	16.9	11.1	20.5	8.3	11.5
SC	8.1	6.0	6.0	9.2	11.8	9.0	8.7	4.7	8.7	15.3	3.6	5.2	4.9	3.6
SD	4.1	5.3	5.1	6.4	7.4	4.6	5.3	5.6	6.6	5.9	6.5	2.0	8.4	5.6
TN	6.2	6.5	8.2	8.8	11.0	7.0	6.5	4.4	3.0	1.3	3.9	4.0	3.3	8.2
TX	4.1	6.5	6.7	6.7	8.4	7.1	7.4	39.1	9.6	7.5	10.4	10.7	6.3	8.3
UT	3.2	3.7	4.8	5.8	6.8	5.6	5.4	13.6	15.5	9.0	7.3	11.1	11.1	6.7
VA	3.4	3.3	3.4	4.6	6.3	5.7	6.7	37.8	33.9	25.9	21.6	23.9	12.9	11.9
VT	3.0	2.8	2.8	5.1	8.3	9.2	7.4	19.1	27.5	18.9	17.1	7.9	5.6	2.5
WA	9.3	8.8	8.5	9.3	9.7	6.7	6.9	5.8	4.8	4.2	5.0	6.3	7.4	7.2
WI	3.1	3.4	3.0	3.7	4.8	4.1	4.5	27.5	21.8	24.4	23.0	23.5	15.8	15.5
WV	7.0	7.9	7.5	9.5	12.9	8.7	8.2	4.7	6.1	4.1	2.3	0.9	1.7	4.6
WY	7.5	9.4	8.3	10.5	9.6	9.5	15.4	7.9	5.9	2.9	2.9	2.8	0.0	0.0
US	5.9	6.3	6.3	7.0	9.2	7.1	7.5	16.6	13.7	10.0	9.9	9.9	8.8	7.7

Percent of Facilities Receiving a Deficiency for Actual Harm or Immediate Jeopardy

Beginning in July 1996, surveyors rated the scope and severity of each deficiency. Table 34 shows the percent of facilities that received one or more deficiencies that caused harm or immediate jeopardy to residents (rated as a G-level deficiency or higher). The average percent was 23.5 in 2000, which then declined sharply to 15.5 percent in 2004, then increased to 18.1 in 2006. There is some evidence that some state agencies may be down grading the severity ratings for deficiencies (US GAO, 2003).

Percent of Facilities Receiving a Deficiency for Actual Harm or Jeopardy of Residents

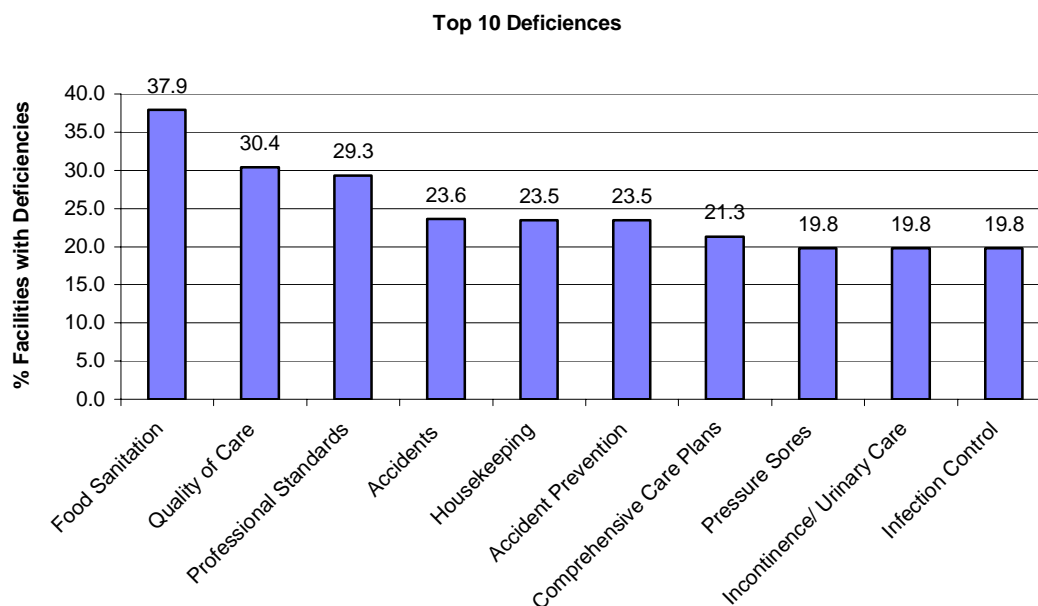


**TABLE 34
PERCENT OF FACILITIES RECEIVING A DEFICIENCY
FOR ACTUAL HARM OR JEOPARDY OF RESIDENTS
BY CALENDAR YEAR**

State	2000	2001	2002	2003	2004	2005	2006
AK	7.7	35.7	8.3	0.0	0.0	13.3	30.8
AL	26.2	15.9	12.8	14.8	19.3	23.3	22.5
AR	32.4	27.6	14.2	23.7	15.7	12.8	13.1
AZ	21.9	9.2	4.6	11.6	6.1	16.1	28.8
CA	17.3	9.7	3.1	3.8	6.8	8.7	14.6
CO	23.1	25.9	23.5	23.8	24.8	40.9	44.6
CT	35.7	49.6	42.7	47.1	53.1	43.2	43.9
DC	17.7	38.9	30.0	47.1	30.0	20.0	30.0
DE	43.6	18.4	3.0	8.1	18.0	22.0	33.3
FL	17.0	20.9	9.9	9.6	5.9	5.9	6.7
GA	18.3	18.3	18.6	22.2	14.7	15.4	13.7
HI	20.5	11.4	19.4	18.8	17.1	0.0	4.4
IA	10.0	11.6	7.9	9.8	14.3	9.2	14.7
ID	41.3	28.8	36.6	26.7	36.8	39.4	37.8
IL	23.6	16.2	15.9	17.2	16.7	18.8	23.3
IN	40.2	26.0	21.9	20.1	23.2	30.8	33.4
KS	34.1	30.8	27.8	27.2	32.0	40.1	33.1
KY	25.8	27.6	22.6	24.6	9.1	7.5	10.3
LA	22.4	23.9	20.1	13.4	10.2	18.8	12.8
MA	25.7	22.4	23.6	25.0	16.9	20.4	19.7
MD	18.7	19.4	16.6	17.7	17.4	5.3	10.7
ME	8.9	10.7	8.0	14.2	9.2	6.6	10.0
MI	34.7	24.3	29.5	24.9	23.1	25.8	28.2
MN	21.9	18.1	20.7	16.5	13.1	17.1	19.3
MO	14.1	10.7	15.0	10.3	13.7	15.9	14.6
MS	20.9	22.2	15.2	18.3	16.3	10.6	6.9
MT	30.0	23.5	13.5	18.5	14.9	20.5	10.6
NC	35.1	31.9	22.7	27.8	20.4	16.1	12.9
ND	23.5	28.2	12.4	11.0	14.6	25.6	16.1
NE	17.5	19.7	18.0	13.0	17.4	16.7	24.9
NH	35.7	27.5	27.4	24.3	23.7	26.3	18.4
NJ	22.3	23.0	15.1	12.4	10.7	17.9	13.4
NM	14.5	20.0	14.7	26.0	21.5	35.3	24.3
NV	33.3	6.5	9.1	9.1	22.0	10.9	17.0
NY	34.3	33.2	24.7	11.0	9.6	15.1	17.9
OH	25.2	24.5	23.9	13.8	11.0	13.1	14.1
OK	14.8	22.2	21.7	23.1	18.9	20.3	20.2
OR	36.7	31.0	17.8	21.1	14.2	17.7	20.3
PA	21.6	14.3	14.6	16.3	21.4	13.3	14.0
RI	5.9	10.3	3.6	5.6	9.0	3.6	3.5
SC	23.7	16.0	25.2	28.6	31.0	19.8	14.4
SD	20.4	31.1	17.8	32.4	20.0	15.0	18.7
TN	21.6	16.9	21.0	20.9	19.5	13.6	12.7
TX	19.9	26.2	19.5	15.2	11.9	16.5	16.3
UT	11.4	14.3	23.6	13.4	9.9	11.1	14.4
VA	16.0	11.6	13.0	13.8	10.4	16.5	14.9
VT	16.7	17.5	16.2	9.8	15.8	25.0	12.5
WA	39.0	39.8	40.0	24.5	28.3	22.6	25.7
WI	14.1	9.4	11.7	11.8	11.6	20.6	26.2
WV	10.9	16.7	15.5	10.0	12.7	8.3	12.8
WY	47.4	20.6	25.7	28.6	11.1	11.1	20.0
US	23.5	21.1	18.0	16.6	15.5	16.9	18.1

Top Ten Deficiencies for Certified Facilities in 2006

The top ten most frequently cited deficiencies in the U.S. in 2006 are shown by state on Table 35. The categories with the highest number of deficiencies were given for failure to ensure sanitary food (37.9 percent); to ensure quality of care (30.4 percent); professional standards (29.3 percent); the occurrence of accidents (23.6 percent); housekeeping and accident prevention (23.5 percent); comprehensive care plans (21.3 percent); pressure sores (19.8 percent); incontinence/ urinary care (19.8 percent); and infection control (19.8 percent).



Top Ten States Citing the Top Deficiencies in 2006

Table 35 also shows the top ten states in terms of the number of deficiencies, which were issued to nursing facilities for each of the top 10 deficiencies (See states with asterisks). In 2006, Delaware had 9, the state with the most deficiencies in the top ten deficiency categories.

**TABLE 35
TOP TEN U.S. DEFICIENCIES BY STATE FOR FACILITIES CERTIFIED
CALENDAR YEAR 2006**

Percent of Facilities with Deficiencies

	Food Sanitation (F371)	Quality of Care (F309)	Professional Standards (F281)	Accidents (F323)	Housekeeping (F253)
AK	61.5 *	7.7	38.5	23.1	0.0
AL	42.6	14.2	29.0	7.7	20.1
AR	56.8 *	60.6 *	8.5	64.4 *	55.5 *
AZ	43.2	24.2	62.1 *	48.5 *	44.7 *
CA	52.7 *	40.4	30.1	29.1	27.4
CO	40.1	65.3 *	32.2	38.6 *	32.2
CT	29.1	55.3 *	61.6 *	38.0 *	13.5
DC	85.0 *	90.0 *	40.0	65.0 *	95.0 *
DE	66.7 *	90.5 *	31.0	71.4 *	57.1 *
FL	53.4 *	19.2	47.2 *	18.3	33.4
GA	36.8	55.6 *	23.1	25.9	45.3 *
HI	37.0	8.7	15.2	10.9	2.2
IA	34.7	23.2	42.8	21.8	16.1
ID	60.8 *	39.2	40.5	48.6 *	29.7
IL	22.4	17.3	34.7	31.3	16.6
IN	29.2	31.0	47.1 *	20.7	25.8
KS	38.3	36.9	54.5 *	30.5	35.7 *
KY	39.9	22.0	32.6	22.0	39.9 *
LA	33.9	15.3	16.4	38.3 *	20.8
MA	12.6	17.9	24.3	10.4	6.2
MD	49.8 *	64.0 *	41.3	22.7	31.1
ME	33.6	34.5	64.5 *	32.7	27.3
MI	41.4	36.7	31.9	30.2	28.7
MN	38.8	25.7	1.3	23.3	13.4
MO	38.3	20.6	57.7 *	9.7	7.1
MS	38.1	18.3	34.2	21.8	6.9
MT	49.4	9.4	37.6	35.3	35.3
NC	49.5	18.6	38.3	15.5	16.0
ND	42.0	35.8	1.2	38.3 *	8.6
NE	41.6	28.5	29.4	25.8	24.9
NH	26.3	9.2	48.7 *	5.3	5.3
NJ	22.3	22.3	26.9	17.1	8.9
NM	25.7	40.0	0.0	8.6	14.3
NV	38.3	55.3 *	27.7	10.6	8.5
NY	23.1	22.9	36.2	19.7	18.4
OH	26.3	27.7	25.4	21.9	21.0
OK	67.3 *	22.9	0.0	22.6	45.6 *
OR	14.3	49.6	8.3	6.8	3.0
PA	31.9	52.3 *	8.7	22.4	9.6
RI	14.9	12.6	8.0	11.5	16.1
SC	37.7	40.7	25.1	17.4	40.1 *
SD	46.7	11.2	57.0 *	17.8	34.6
TN	27.8	31.0	25.6	16.1	7.6
TX	34.0	22.5	7.4	18.5	29.7
UT	46.7	23.3	20.0	12.2	24.4
VA	28.4	52.6 *	31.3	9.3	7.1
VT	27.5	17.5	45.0 *	17.5	15.0
WA	43.9	25.7	30.0	15.6	28.3
WI	13.6	20.3	13.1	11.2	9.6
WV	46.8	25.7	44.0	13.8	2.8
WY	74.3 *	34.3	42.9	65.7 *	62.9 *
US	37.9	30.4	29.3	23.6	23.5

* The ten states in which the highest percentage of facilities had deficiencies.

TABLE 35
TOP TEN U.S. DEFICIENCIES BY STATE FOR FACILITIES CERTIFIED
CALENDAR YEAR 2006

Percent of Facilities with Deficiencies

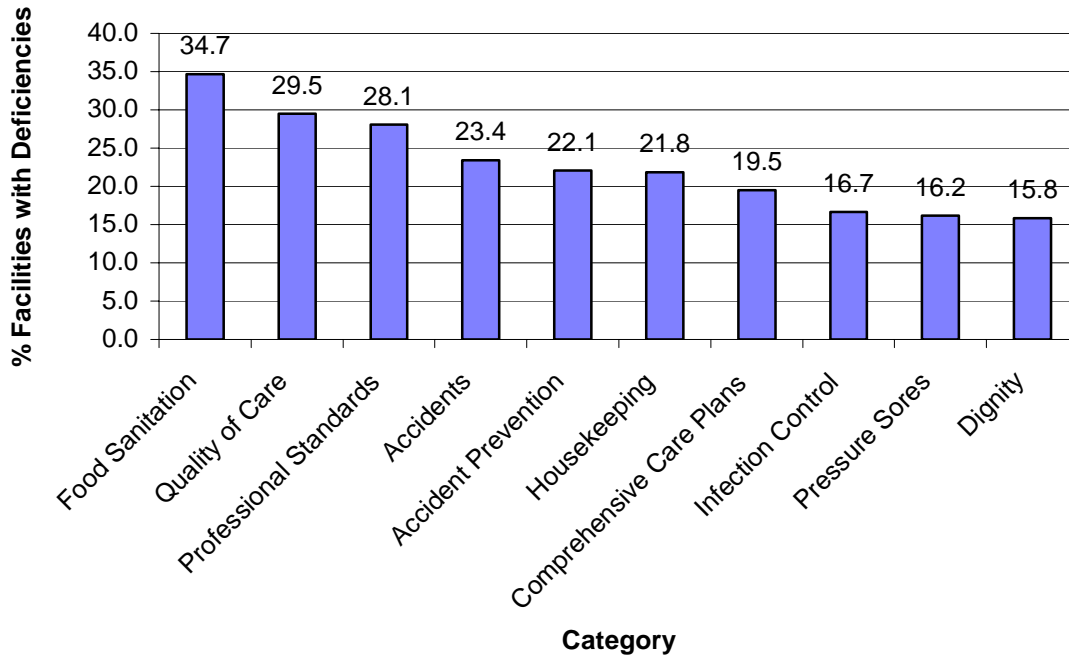
	Accident Prevention (F324)	Comprehensive Care Plans (F279)	Pressure Sores (F314)	Incontinence/ Urinary Care (F315)	Infection Control (F441)
AK	23.1	15.4	0.0	7.7	30.8
AL	17.8	23.1	17.2	20.1	17.8
AR	39.4 *	10.2	32.2 *	35.6 *	50.4 *
AZ	8.3	16.7	13.6	20.5	40.9 *
CA	23.6	37.8	19.2	26.2	29.6
CO	42.6 *	41.1 *	23.8	26.2	18.3
CT	53.6 *	57.4 *	38.4 *	19.8	19.4
DC	35.0	75.0 *	30.0 *	10.0	90.0 *
DE	45.2 *	42.9 *	40.5 *	42.9 *	45.2 *
FL	11.0	24.3	10.1	18.8	18.9
GA	17.1	10.3	19.9	32.8 *	19.7
HI	13.0	54.3 *	6.5	32.6 *	23.9
IA	15.2	8.5	10.6	8.3	17.0
ID	40.5 *	13.5	41.9 *	31.1 *	32.4
IL	22.9	12.0	20.9	15.4	7.1
IN	39.4 *	17.5	23.3	21.1	22.3
KS	43.2 *	38.9 *	45.0 *	60.5 *	8.6
KY	10.7	20.3	7.6	15.1	13.4
LA	15.7	19.7	13.9	7.3	36.1 *
MA	24.1	19.5	10.2	11.1	8.0
MD	35.1	33.3	8.9	11.6	34.2 *
ME	5.5	52.7 *	31.8 *	43.6 *	19.1
MI	36.5 *	11.4	22.9	9.5	20.4
MN	38.2 *	32.4	74.9 *	78.9 *	17.4
MO	31.0	29.8	25.7 *	23.7	12.8
MS	11.9	23.8	5.0	5.9	33.7
MT	11.8	35.3	5.9	7.1	7.1
NC	19.0	5.0	8.3	10.5	4.0
ND	35.8 *	1.2	19.8	18.5	3.7
NE	26.7	12.7	17.2	21.7	8.1
NH	18.4	25.0	13.2	10.5	9.2
NJ	26.0	14.6	16.3	11.1	6.3
NM	11.4	38.6 *	10.0	24.3	12.9
NV	12.8	59.6 *	21.3	21.3	51.1 *
NY	18.4	5.3	20.4	7.5	23.1
OH	31.0	15.0	19.5	10.5	15.4
OK	13.1	18.7	15.0	26.9 *	51.7 *
OR	18.8	9.0	18.0	15.0	2.3
PA	23.6	21.3	14.1	11.8	26.7
RI	19.5	1.1	11.5	3.4	3.4
SC	18.6	9.6	22.8	22.8	19.8
SD	10.3	15.9	10.3	3.7	10.3
TN	26.9	11.1	10.8	22.8	26.3
TX	10.6	24.5	16.1	9.4	21.2
UT	3.3	18.9	2.2	0.0	0.0
VA	23.1	18.7	19.4	11.2	11.6
VT	17.5	17.5	22.5	22.5	67.5 *
WA	24.5	16.5	20.7	23.6	13.1
WI	23.8	17.6	12.3	25.1	7.8
WV	11.9	43.1 *	8.3	11.0	33.0
WY	20.0	25.7	28.6 *	37.1 *	37.1 *
US	23.5	21.3	19.8	19.8	19.8

* The ten states in which the highest percentage of facilities had deficiencies.

Top Ten Deficiencies for Facilities Certified in 2005

The top ten most frequently cited deficiencies in the U.S. are shown by state in 2005 on Table 36. The five categories with the largest number of deficiencies were given for failure to ensure sanitary food (34.7 percent); to ensure quality of care (29.5 percent); to meet professional standards (28.1 percent); the occurrence of accidents (23.4 percent); and to prevent accidents (22.1 percent).

Top 10 Deficiencies for Facilities Certified in 2005



Top Ten States Citing the Top Deficiencies for Facilities Certified in 2005

Table 36 also shows the top ten states in terms of the number of deficiencies that were issued to nursing facilities for each of the top 10 deficiencies (See states with asterisks). For facilities certified in calendar year 2005, DC had the most deficiencies (9) in the top 10 categories.

**TABLE 36
TOP TEN U.S. DEFICIENCIES BY STATE FOR FACILITIES CERTIFIED
CALENDAR YEAR 2005**

Percent of Facilities with Deficiencies

	Food Sanitation (F371)	Quality of Care (F309)	Professional Standards (F281)	Accidents (F323)	Accident Prevention (F324)
AK	46.7	6.7	40.0	13.3	0.0
AL	68.1 *	19.6	40.5	16.0	20.2
AR	45.5	40.4	6.8	46.8 *	14.5
AZ	42.5	25.3	59.8 *	47.1 *	10.3
CA	49.2	40.3	26.2	29.6	21.3
CO	35.0	56.2 *	32.5	36.9 *	41.4 *
CT	25.1	40.1	43.6	46.7 *	46.7 *
DC	90.0 *	95.0 *	55.0 *	70.0 *	25.0
DE	63.4 *	73.2 *	29.3	68.3 *	26.8
FL	60.2 *	16.0	41.5	17.9	12.3
GA	35.2	53.8 *	30.8	27.5	13.6
HI	43.6	12.8	7.7	17.9	20.5
IA	40.7	19.8	40.0	27.1	14.5
ID	64.8 *	52.1 *	31.0	43.7 *	42.3 *
IL	22.4	16.7	32.8	29.8	17.8
IN	30.1	32.7	52.8 *	24.6	42.1 *
KS	36.7	32.4	46.1 *	29.5	40.4 *
KY	37.6	23.1	29.2	18.3	7.8
LA	33.8	16.9	18.4	39.7 *	18.4
MA	15.5	15.7	22.2	11.6	23.8
MD	35.1	59.2 *	35.1	19.7	36.8 *
ME	41.5	25.5	65.1 *	46.2 *	0.9
MI	41.8	40.5	37.1	29.0	35.9 *
MN	41.3	32.9	4.8	28.1	28.4
MO	37.1	19.6	54.2 *	9.6	28.7
MS	34.3	15.2	38.9	21.2	9.1
MT	67.0 *	9.1	29.5	38.6 *	18.2
NC	46.7	19.6	34.5	16.6	15.4
ND	41.0	42.3	6.4	34.6	39.7 *
NE	50.7	21.4	21.9	22.3	28.8 *
NH	36.8	18.4	65.8 *	10.5	27.6
NJ	27.9	20.5	27.0	18.5	24.9
NM	33.8	30.9	2.9	35.3	16.2
NV	32.6	45.7	54.3 *	8.7	6.5
NY	18.4	22.5	30.6	16.4	18.4
OH	29.2	30.4	27.5	22.8	31.8 *
OK	62.9 *	15.4	1.2	24.9	15.1
OR	4.0	47.6	7.3	5.6	25.8
PA	27.6	49.1 *	6.7	18.2	24.2
RI	16.7	14.3	4.8	6.0	10.7
SC	45.7	48.8 *	13.6	27.8	18.5
SD	47.7	4.7	57.9 *	15.9	8.4
TN	37.7	35.7	16.9	20.5	24.7
TX	38.2	20.4	10.3	20.9	8.3
UT	56.8 *	24.7	32.1	19.8	3.7
VA	22.2	58.9 *	30.6	8.1	27.4
VT	36.1	50.0 *	25.0	8.3	22.2
WA	39.9	28.8	34.2	20.2	23.0
WI	12.1	21.1	9.0	13.7	23.2
WV	55.8 *	26.7	55.8 *	15.0	15.0
WY	55.6 *	16.7	30.6	30.6	22.2
US	34.7	29.5	28.1	23.4	22.1

* The ten states in which the highest percentage of facilities had deficiencies.

TABLE 35 TOP TEN U.S. DEFICIENCIES BY STATE FOR FACILITIES CERTIFIED CALENDAR YEAR 2006					
Percent of Facilities with Deficiencies					
	Housekeeping (F253)	Comprehensive Care Plans (F279)	Infection Control (F441)	Pressure Sores (F314)	Dignity (F241)
AK	26.7 *	6.7	6.7	0.0	26.7
AL	19.0	28.8	19.6	16.6	36.2 *
AR	45.5 *	7.7	31.5 *	24.3 *	26.0
AZ	42.5	17.2	40.2 *	16.1	28.7 *
CA	26.8	32.9	29.6	17.4	31.2 *
CO	31.0	36.0 *	18.7	20.2	36.5 *
CT	12.3	46.7 *	14.1	37.9 *	28.6
DC	100.0 *	70.0 *	75.0 *	40.0 *	30.0 *
DE	41.5 *	41.5 *	19.5	24.4 *	26.8
FL	34.0 *	24.1	17.7	8.3	30.2 *
GA	46.2	9.5	15.1	24.0 *	11.2
HI	7.7	59.0 *	30.8 *	12.8	64.1 *
IA	14.3	8.7	13.6	8.5	7.4
ID	32.4	22.5	36.6 *	40.8 *	32.4 *
IL	14.6	13.6	6.7	20.4	10.3
IN	27.6	14.1	23.3	17.7	8.3
KS	32.4	31.2	5.7	46.7 *	19.5
KY	40.3 *	16.3	15.3	5.1	7.8
LA	15.4	15.4	33.5 *	18.8	25.7
MA	6.5	15.3	6.3	9.7	6.3
MD	9.6	34.6 *	19.7	15.8	14.9
ME	31.1	50.9 *	10.4	46.2 *	11.3
MI	28.3	9.3	17.0	22.6	20.1
MN	13.8	28.7	13.8	38.5 *	27.2
MO	5.1	31.0	9.0	25.1 *	14.7
MS	8.6	14.1	25.3	2.0	8.6
MT	29.5	27.3	4.5	4.5	9.1
NC	18.1	4.7	2.0	6.9	14.4
ND	7.7	2.6	0.0	20.5	11.5
NE	22.8	7.0	2.3	13.0	3.3
NH	13.2	35.5 *	10.5	21.1	6.6
NJ	9.7	13.2	9.7	18.8	7.9
NM	13.2	26.5	7.4	14.7	23.5
NV	4.3	58.7 *	45.7 *	13.0	32.6 *
NY	15.1	4.7	22.2	17.8	11.8
OH	18.9	16.6	15.5	17.5	11.6
OK	40.3 *	22.3	42.9 *	10.4	20.0
OR	10.5	12.1	3.2	14.5	8.9
PA	7.1	22.2	19.9	13.4	10.3
RI	22.6	4.8	2.4	9.5	13.1
SC	37.7 *	9.3	27.2	19.8	18.5
SD	20.6	14.0	10.3	4.7	9.3
TN	9.4	12.0	25.3	14.0	12.7
TX	36.3 *	20.9	22.4	12.7	13.7
UT	23.5	17.3	2.5	1.2	28.4
VA	6.5	13.3	7.7	19.0	7.7
VT	22.2	13.9	69.4 *	22.2	36.1 *
WA	25.9	14.0	14.8	19.8	20.2
WI	12.4	11.6	6.3	11.9	10.8
WV	5.0	35.0 *	39.2 *	1.7	27.5
WY	30.6	27.8	11.1	13.9	27.8
US	21.8	19.5	16.7	16.2	15.8

* The ten states in which the highest percentage of facilities had deficiencies.

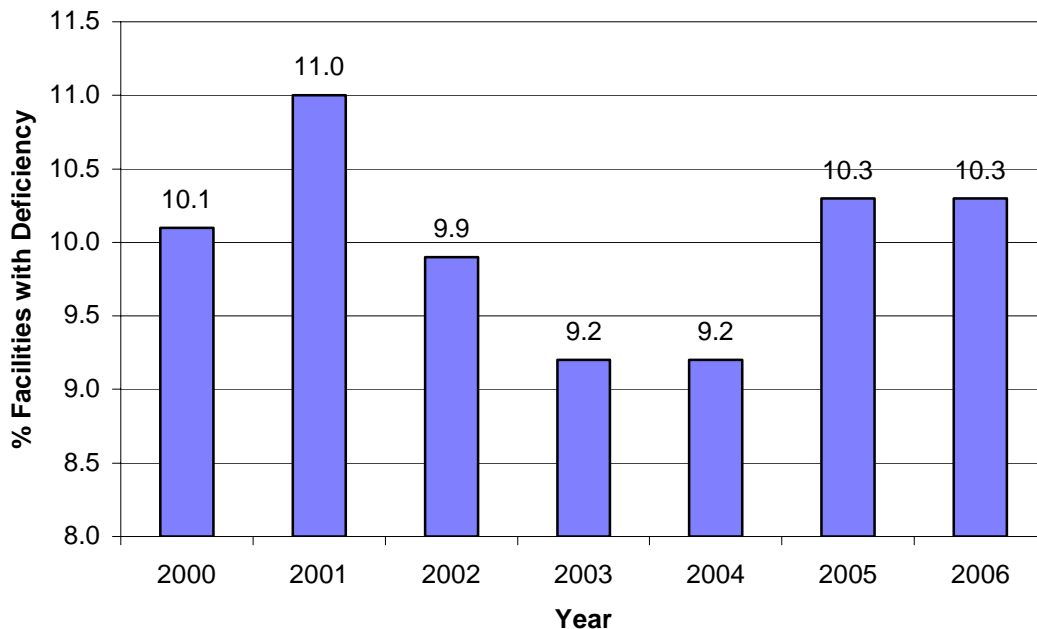
Selected Deficiencies by State

The following is a presentation of selected deficiencies by state and year. These are presented in the order of the deficiency groups on the survey forms and not based on the number of deficiencies cited. These data show trends over time by state.

Physical Restraints (F221)

Residents have the right to be free of physical restraints imposed for purposes of discipline or convenience and not required to treat the resident's medical symptoms. Restraints are defined as mechanical devices, materials, or equipment that restricts freedom of movement or normal access to one's body. In 2000, 10.2 percent of facilities received deficiencies for this category. In 2003-2004, the number of facilities with deficiencies for physical restraints declined to 9.2 percent, and then they increased to 10.3 percent in 2006 (See Table 37).

Resident Behavior and Facility Practices: Improper Physical Restraints



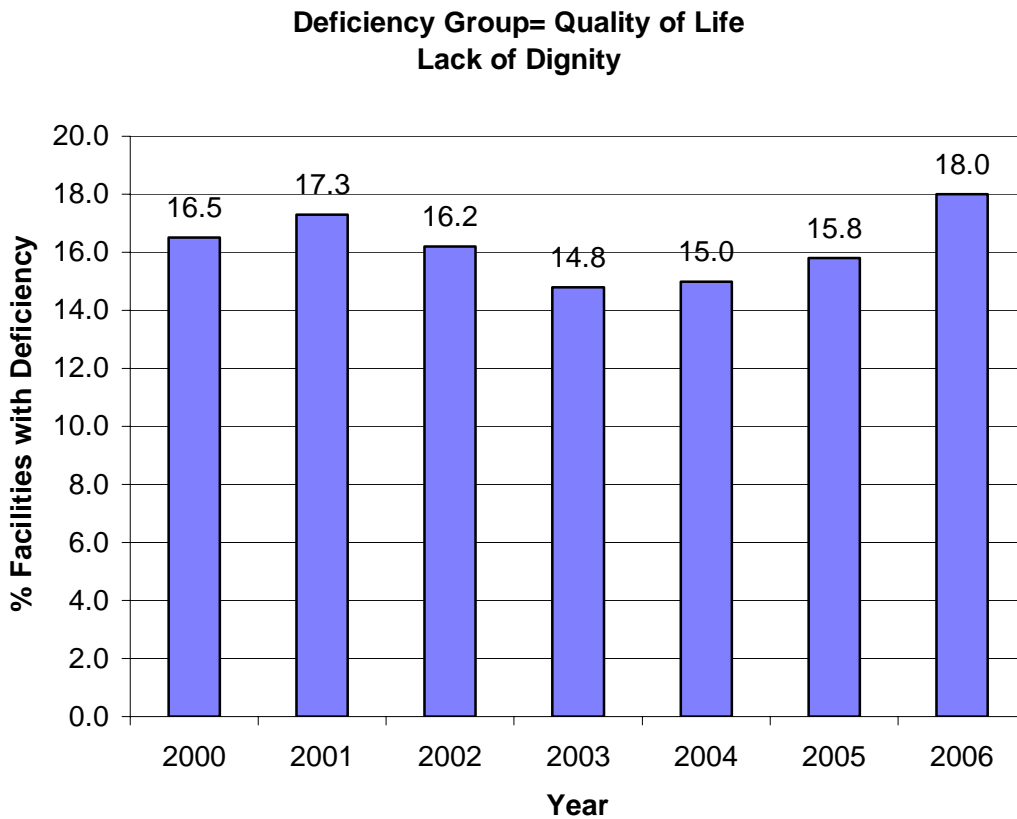
**TABLE 37
DEFICIENCY GROUP=RESIDENT BEHAVIOR & FACILITY PRACTICES
PHYSICAL RESTRAINTS (F221)**

Percent of Facilities with Deficiencies

State	2000	2001	2002	2003	2004	2005	2006
AK	7.7	0.0	8.3	0.0	0.0	0.0	7.7
AL	8.0	7.7	1.8	3.7	5.4	7.4	5.3
AR	23.6	18.5	7.5	8.8	8.9	15.7	19.5
AZ	16.8	6.9	6.9	4.5	1.7	19.5	12.9
CA	18.3	18.6	14.4	13.9	14.9	15.1	18.1
CO	10.1	10.2	13.6	15.5	11.2	16.3	13.9
CT	12.9	23.8	18.8	19.4	24.6	22.9	21.5
DC	0.0	5.6	10.0	11.8	0.0	35.0	15.0
DE	20.5	10.5	3.0	8.1	0.0	4.9	16.7
FL	7.5	7.7	7.1	6.8	5.7	6.9	6.3
GA	7.0	7.8	13.9	11.4	10.1	9.2	6.0
HI	10.3	37.1	19.4	21.9	25.7	23.1	23.9
IA	1.5	3.2	4.5	5.1	4.4	5.1	8.5
ID	34.7	13.7	9.9	6.7	7.4	4.2	6.8
IL	10.5	9.4	6.3	8.5	9.8	10.3	11.8
IN	8.9	8.6	4.7	4.4	7.8	8.8	12.5
KS	12.4	17.8	16.1	13.2	16.7	15.2	11.5
KY	14.0	14.0	9.6	10.4	15.8	12.2	13.4
LA	8.1	22.0	32.6	16.4	10.9	10.3	6.6
MA	13.9	13.5	8.5	8.3	5.3	6.9	5.5
MD	1.7	4.0	8.3	5.5	4.7	2.2	4.9
ME	5.4	9.8	12.4	18.9	9.2	2.8	4.5
MI	16.0	10.4	10.5	8.2	6.4	6.9	6.6
MN	2.8	4.6	4.9	11.1	9.9	14.9	22.2
MO	3.6	5.9	6.1	5.9	5.7	10.2	12.8
MS	11.0	15.7	4.2	5.9	6.7	8.6	8.4
MT	21.1	8.2	9.5	3.3	9.2	1.1	1.2
NC	5.6	9.0	3.7	3.5	3.0	6.2	10.0
ND	8.2	9.4	2.5	3.7	6.1	5.1	9.9
NE	5.3	5.3	8.0	8.8	7.0	4.7	5.4
NH	2.9	7.2	8.1	4.1	17.1	3.9	0.0
NJ	5.1	11.2	10.1	9.4	5.5	5.6	4.3
NM	7.2	13.8	5.9	9.1	1.5	2.9	4.3
NV	15.6	30.4	36.4	27.3	14.6	13.0	8.5
NY	10.5	13.5	14.1	9.8	9.9	7.9	7.5
OH	8.6	7.9	10.3	8.7	9.0	11.0	11.0
OK	25.2	26.4	22.0	17.8	14.2	12.2	11.9
OR	8.8	11.6	6.7	4.5	8.2	9.7	3.8
PA	6.1	7.1	5.6	6.8	12.5	8.0	8.0
RI	8.2	9.2	2.4	0.0	1.3	0.0	2.3
SC	15.4	4.0	6.1	8.3	8.4	6.8	6.6
SD	11.1	12.3	10.9	12.0	8.0	12.1	16.8
TN	8.9	18.7	16.9	14.7	14.3	11.4	9.2
TX	5.8	6.8	7.0	5.9	8.3	11.2	10.2
UT	2.3	6.0	12.4	9.8	4.9	2.5	3.3
VA	7.6	10.4	8.8	9.7	5.8	5.6	3.4
VT	4.8	12.5	16.2	17.1	10.5	11.1	15.0
WA	17.8	13.9	12.1	4.6	3.8	3.7	3.0
WI	13.9	10.1	10.9	11.0	7.7	4.2	6.1
WV	12.4	9.6	4.1	3.1	3.4	7.5	2.8
WY	7.9	14.7	2.9	14.3	5.6	11.1	22.9
US	10.1	11.0	9.9	9.2	9.2	10.3	10.3

Dignity (F241)

Facilities must promote care for residents in a manner and in an environment that maintains or enhances dignity and respect in full recognition of his or her individuality. This involves assisting residents to be well groomed, dress appropriately, promote independence in dining, allowing private space and property, speaking and listening respectfully, and focusing on the individual's communication. In 2000, 16.5 percent of facilities received deficiencies for this, which increased to 18 percent in 2006 (See Table 38).



**TABLE 38
DEFICIENCY GROUP=QUALITY OF LIFE
DIGNITY (F241)**

Percent of Facilities with Deficiencies

State	2000	2001	2002	2003	2004	2005	2006
AK	7.7	14.3	25.0	0.0	16.7	26.7	69.2
AL	18.7	23.1	19.3	19.4	19.3	27.0	18.3
AR	10.0	9.9	10.5	14.0	20.4	24.7	32.2
AZ	27.0	44.6	29.0	19.6	20.9	23.0	18.2
CA	37.9	39.4	29.5	25.3	32.5	29.5	33.7
CO	11.6	7.4	9.4	17.0	21.8	35.0	30.2
CT	17.8	18.0	20.5	20.3	26.1	27.3	25.3
DC	17.6	27.8	25.0	35.3	15.0	30.0	30.0
DE	10.3	10.5	6.1	8.1	5.1	26.8	52.4
FL	24.5	28.1	26.3	25.1	27.9	27.5	30.3
GA	14.0	16.8	16.1	14.0	13.8	10.9	13.7
HI	20.5	20.0	35.5	37.5	34.3	51.3	43.5
IA	5.4	7.0	5.2	7.1	7.6	6.9	5.3
ID	12.0	27.4	33.8	20.0	27.9	28.2	33.8
IL	15.9	15.5	9.9	10.0	9.5	10.1	10.2
IN	20.8	11.4	8.2	7.8	6.4	7.3	11.3
KS	12.2	11.9	14.4	13.5	15.6	18.6	25.1
KY	17.7	15.8	16.5	12.5	9.5	7.8	11.0
LA	13.7	18.6	26.5	21.2	24.0	25.4	25.9
MA	4.9	6.5	6.7	6.4	7.8	5.6	6.2
MD	4.8	5.5	13.1	11.8	10.8	14.9	16.9
ME	11.6	20.5	29.2	19.8	16.5	11.3	19.1
MI	26.9	23.8	24.6	20.9	15.2	18.7	19.7
MN	13.9	14.8	17.1	28.9	20.7	25.3	29.1
MO	11.3	10.7	16.2	12.8	11.2	13.8	18.4
MS	27.5	25.9	24.1	23.7	11.8	8.6	11.4
MT	2.2	8.2	5.4	12.0	18.4	8.0	9.4
NC	31.3	29.6	18.9	20.7	19.4	13.4	17.1
ND	10.6	10.6	13.6	6.1	6.1	11.5	18.5
NE	7.4	6.4	5.0	1.9	7.5	3.3	3.6
NH	1.4	1.4	4.8	1.4	5.3	5.3	5.3
NJ	12.1	14.8	17.8	7.9	7.0	7.0	8.9
NM	11.6	18.5	16.2	15.6	9.2	22.1	22.9
NV	31.1	23.9	22.7	25.0	31.7	30.4	40.4
NY	19.9	24.0	18.4	11.8	14.2	11.0	12.0
OH	13.6	15.3	15.8	11.7	10.5	10.6	11.4
OK	16.9	24.1	22.8	26.5	21.3	19.4	20.2
OR	20.4	11.6	11.1	8.3	9.7	8.9	7.5
PA	6.9	6.4	6.2	6.5	7.7	10.1	13.0
RI	4.7	2.3	1.2	2.8	15.4	13.1	13.8
SC	31.4	22.7	12.3	17.3	12.3	17.9	12.6
SD	5.6	6.6	7.9	6.5	8.0	9.3	13.1
TN	19.0	14.5	19.1	19.6	10.9	12.0	14.2
TX	8.5	10.8	11.8	7.8	7.6	12.6	12.0
UT	8.0	14.3	16.9	22.0	23.5	24.7	24.4
VA	8.0	4.4	7.1	5.9	6.6	7.3	10.8
VT	11.9	12.5	8.1	14.6	2.6	36.1	32.5
WA	23.2	23.1	23.8	19.9	19.2	18.1	18.1
WI	8.5	12.2	8.3	9.2	7.7	10.3	16.6
WV	27.1	36.0	33.3	28.5	33.1	24.2	24.8
WY	31.6	38.2	11.4	17.1	22.2	27.8	51.4
US	16.5	17.3	16.2	14.8	15.0	15.8	18.0

Activities Program (F248)

Facilities must provide residents with ongoing activities that meet the interests and the physical, mental, and psychosocial well-being needs of each resident. In 2000, 7.7 percent of facilities in the U.S. were given deficiencies in this category while 8.5 percent received deficiencies in 2006 (See Table 39).

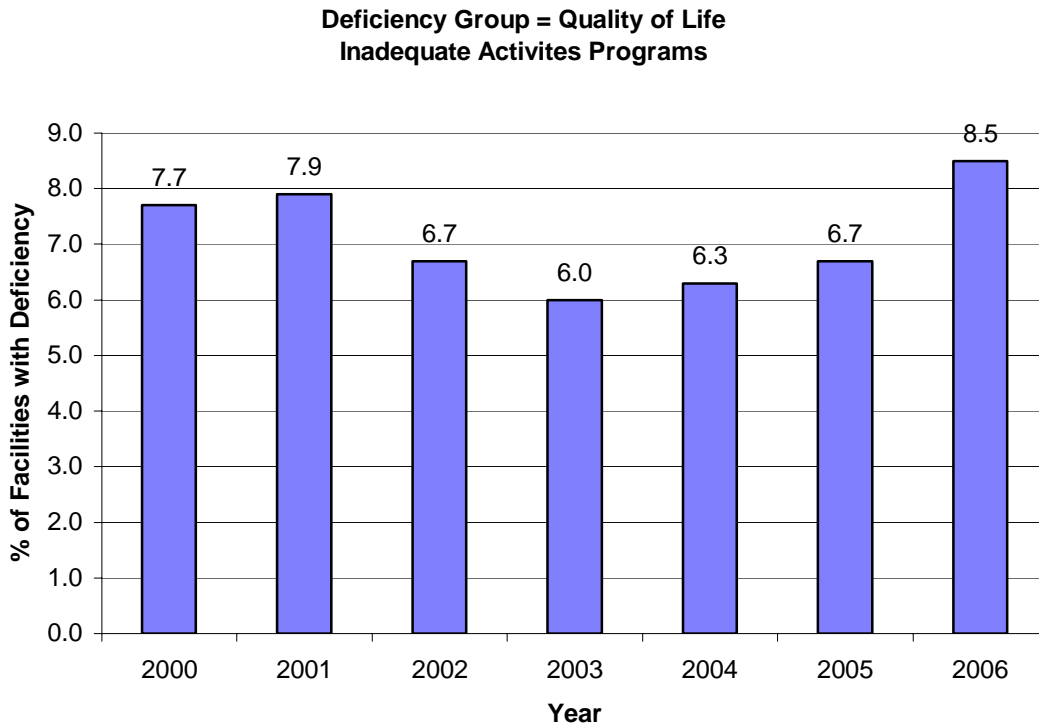


TABLE 39
DEFICIENCY GROUP=QUALITY OF LIFE
ACTIVITIES PROGRAM (F248)

Percent of Facilities with Deficiencies

State	2000	2001	2002	2003	2004	2005	2006
AK	0.0	0.0	0.0	7.1	25.0	6.7	23.1
AL	13.9	8.7	5.0	5.1	6.4	9.2	12.4
AR	6.4	3.4	4.6	5.3	5.5	6.0	11.0
AZ	6.6	4.6	1.5	2.7	7.8	9.2	11.4
CA	16.0	15.3	11.2	9.5	10.6	9.4	10.1
CO	5.5	11.1	10.3	11.2	5.8	14.8	23.8
CT	5.0	4.5	2.9	1.8	3.8	3.5	5.9
DC	5.9	16.7	10.0	5.9	0.0	0.0	5.0
DE	2.6	5.3	6.1	10.8	2.6	7.3	11.9
FL	8.3	9.2	6.7	6.4	8.9	7.5	8.6
GA	2.4	1.6	3.7	6.4	3.7	4.7	4.0
HI	7.7	11.4	9.7	9.4	28.6	25.6	30.4
IA	2.6	3.6	3.2	4.9	2.3	5.1	6.2
ID	12.0	5.5	7.0	6.7	8.8	11.3	18.9
IL	5.7	4.7	3.6	3.9	3.6	4.8	8.8
IN	16.3	14.2	9.4	7.6	7.8	10.5	11.3
KS	13.2	11.1	12.8	14.3	17.0	16.0	17.3
KY	8.9	7.4	10.7	7.5	4.2	4.7	5.8
LA	3.1	4.3	9.3	7.5	5.9	9.9	8.4
MA	2.1	5.4	4.8	2.8	3.7	1.9	4.4
MD	0.4	2.0	2.2	1.4	1.4	3.5	2.7
ME	0.9	0.0	2.7	3.8	1.8	1.9	5.5
MI	16.3	16.7	12.2	7.3	5.7	7.6	7.3
MN	6.2	5.4	5.2	8.5	11.3	9.3	10.4
MO	7.3	7.9	6.7	7.9	9.0	8.4	13.0
MS	7.7	3.8	1.6	1.8	0.6	1.0	4.0
MT	20.0	5.9	2.7	2.2	0.0	4.5	2.4
NC	4.8	5.3	4.3	3.3	2.7	2.0	7.4
ND	8.2	0.0	4.9	2.4	0.0	3.8	8.6
NE	7.4	3.7	2.5	0.9	2.8	2.8	7.2
NH	4.3	4.3	1.6	1.4	0.0	1.3	1.3
NJ	9.2	6.7	7.1	4.2	2.6	2.1	4.3
NM	1.4	7.7	2.9	6.5	15.4	8.8	12.9
NV	26.7	19.6	9.1	9.1	19.5	8.7	12.8
NY	5.5	7.6	3.9	2.6	3.7	3.1	4.7
OH	7.1	10.6	8.4	7.4	8.5	6.9	8.4
OK	6.6	7.5	5.8	11.7	7.1	5.5	11.0
OR	12.2	11.6	14.8	11.3	8.2	10.5	7.5
PA	4.7	3.1	2.3	2.7	5.1	3.0	5.1
RI	0.0	1.1	0.0	0.0	1.3	0.0	4.6
SC	4.1	1.3	1.2	1.8	1.9	8.6	7.8
SD	4.6	5.7	3.0	4.6	5.0	0.9	2.8
TN	7.9	6.3	12.7	7.5	9.7	7.5	7.9
TX	6.2	12.7	7.8	5.3	7.0	7.2	9.4
UT	5.7	1.2	4.5	4.9	3.7	3.7	2.2
VA	3.4	0.8	0.4	0.4	1.2	2.0	4.5
VT	2.4	5.0	2.7	2.4	5.3	2.8	7.5
WA	8.5	11.2	12.9	11.6	7.9	7.4	13.1
WI	8.0	5.3	3.6	3.4	2.3	4.0	5.9
WV	7.8	4.4	3.3	5.4	6.8	3.3	4.6
WY	13.2	20.6	17.1	20.0	13.9	13.9	22.9
US	7.7	7.9	6.7	6.0	6.3	6.7	8.5

Housekeeping (F253)

Housekeeping and maintenance services must be provided to maintain a sanitary, orderly, and comfortable environment. In 2000, 16.2 percent of facilities received deficiencies for failing to meet this requirement, which increased to 23.5 in 2006 (See Table 40).

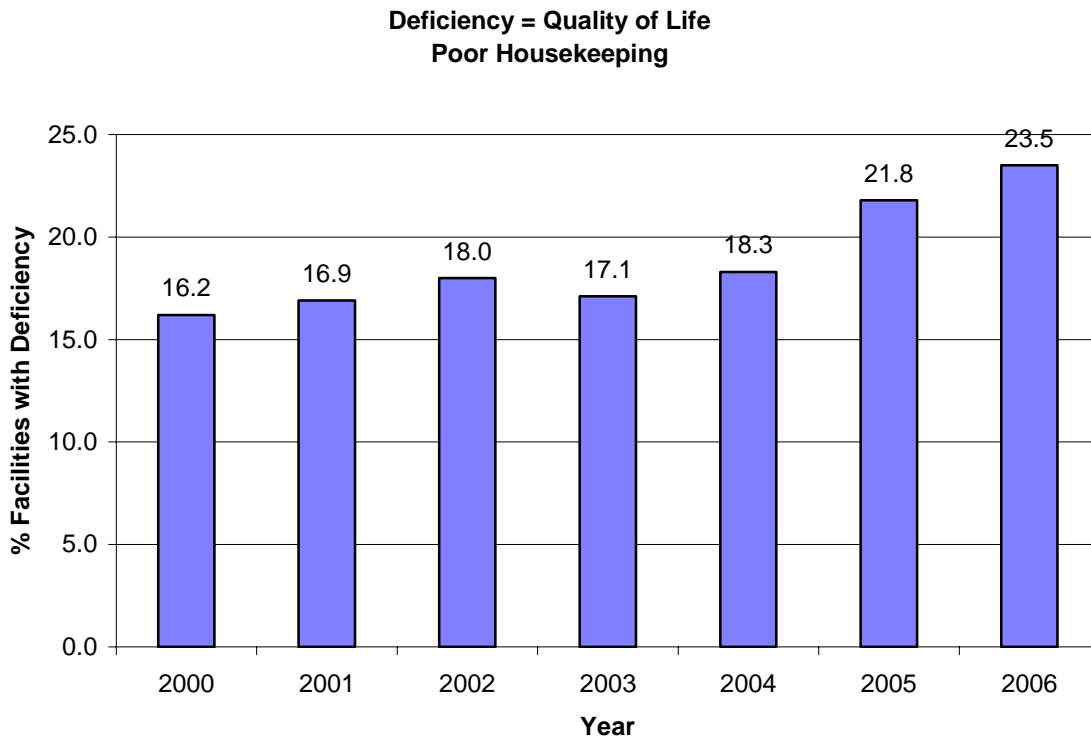


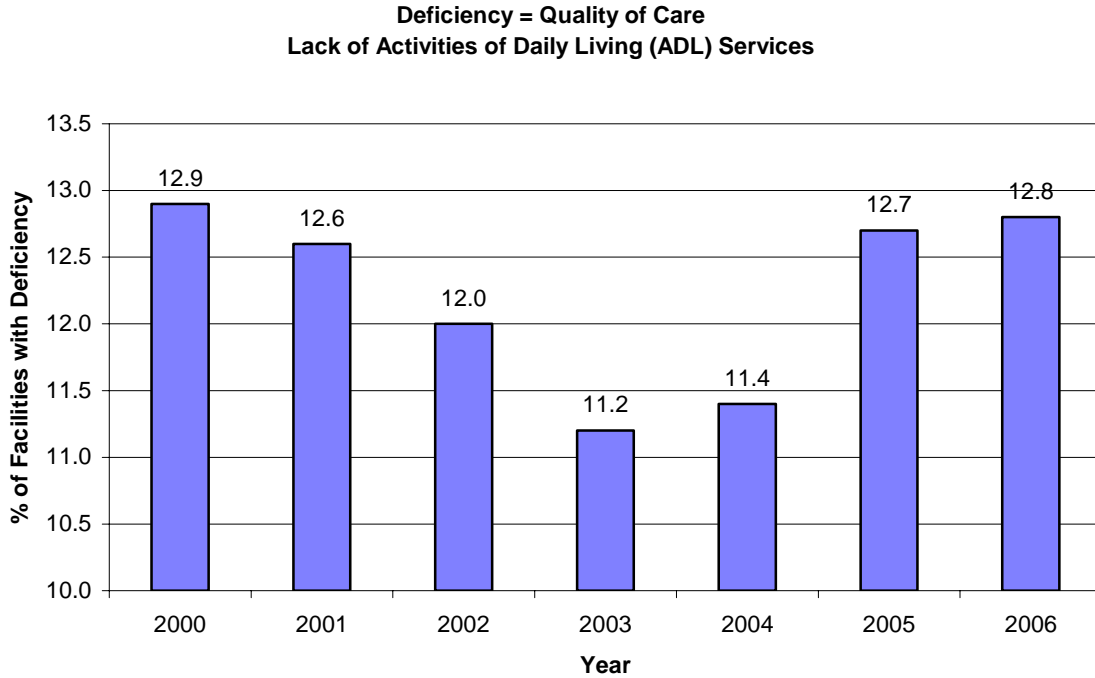
TABLE 40
DEFICIENCY GROUP=QUALITY OF LIFE
HOUSEKEEPING (F253)

Percent of Facilities with Deficiencies

State	2000	2001	2002	2003	2004	2005	2006
AK	0.0	7.1	0.0	0.0	8.3	26.7	0.0
AL	13.9	12.8	12.8	7.4	5.4	16.6	20.1
AR	34.0	33.2	26.8	31.6	28.9	44.3	55.5
AZ	28.5	44.6	46.6	43.8	41.7	37.9	44.7
CA	30.8	27.0	22.8	22.2	24.8	25.4	27.4
CO	22.1	19.4	13.6	15.5	34.5	30.0	32.2
CT	1.7	7.8	7.1	4.8	7.6	12.3	13.5
DC	64.7	77.8	70.0	94.1	95.0	95.0	95.0
DE	30.8	34.2	21.2	56.8	56.4	41.5	57.1
FL	9.3	11.3	18.7	23.3	25.6	32.3	33.4
GA	39.6	37.6	43.7	39.4	42.2	44.4	45.3
HI	5.1	0.0	0.0	0.0	11.4	7.7	2.2
IA	5.1	7.5	10.2	13.4	13.6	12.4	16.1
ID	24.0	23.3	40.8	14.7	22.1	29.6	29.7
IL	22.2	17.6	13.6	11.8	14.8	13.9	16.6
IN	3.2	1.9	2.5	1.0	10.9	24.6	25.8
KS	19.6	20.3	25.0	25.4	30.4	31.2	35.7
KY	27.7	29.4	30.3	31.4	24.9	38.3	39.9
LA	8.1	14.0	22.4	19.2	22.0	14.7	20.8
MA	6.0	4.5	5.0	8.0	5.3	6.0	6.2
MD	4.8	5.5	7.4	3.6	8.0	9.6	31.1
ME	8.9	20.5	16.8	18.9	9.2	28.3	27.3
MI	42.0	32.3	34.6	27.0	26.0	25.6	28.7
MN	5.1	3.2	3.0	4.8	6.3	12.9	13.4
MO	3.6	2.2	2.6	2.0	3.7	4.5	7.1
MS	58.8	43.8	29.3	26.0	14.0	8.6	6.9
MT	4.4	7.1	8.1	8.7	11.5	28.4	35.3
NC	12.6	13.1	12.8	17.7	19.4	16.9	16.0
ND	2.4	2.4	1.2	0.0	6.1	7.7	8.6
NE	6.9	13.3	17.5	19.5	24.9	22.8	24.9
NH	0.0	11.6	4.8	6.8	10.5	10.5	5.3
NJ	9.6	10.6	13.3	11.2	11.9	9.1	8.9
NM	1.4	6.2	8.8	11.7	13.8	13.2	14.3
NV	6.7	6.5	2.3	11.4	9.8	4.3	8.5
NY	9.6	17.0	15.0	12.4	10.8	14.6	18.4
OH	16.0	17.2	21.5	16.6	17.2	16.6	21.0
OK	20.0	34.0	38.5	45.1	34.5	39.1	45.6
OR	8.2	7.8	18.5	12.0	6.7	9.7	3.0
PA	6.4	3.9	7.2	6.8	5.5	7.0	9.6
RI	14.1	19.5	22.9	19.4	17.9	22.6	16.1
SC	22.5	15.3	19.6	31.0	19.4	35.2	40.1
SD	34.3	30.2	25.7	11.1	31.0	19.6	34.6
TN	19.0	20.2	24.2	18.3	13.1	9.4	7.6
TX	19.3	26.2	31.9	23.5	30.7	33.7	29.7
UT	6.8	17.9	18.0	26.8	25.9	18.5	24.4
VA	3.4	1.6	6.3	6.3	2.7	6.0	7.1
VT	11.9	2.5	5.4	4.9	26.3	19.4	15.0
WA	37.5	33.5	27.5	29.9	20.8	23.5	28.3
WI	6.4	9.9	8.5	5.8	10.3	11.3	9.6
WV	0.8	7.0	1.6	3.8	5.9	5.0	2.8
WY	7.9	11.8	2.9	22.9	13.9	30.6	62.9
US	16.2	16.9	18.0	17.1	18.3	21.8	23.5

Activities of Daily Living Services (F312)

Residents who are unable to carry out activities of daily living (ADL) should be given the necessary services to maintain nutrition, grooming, and personal and oral hygiene. In 2000, 12.9 percent of facilities were given deficiencies for this violation compared with 12.8 percent of facilities in 2006 (See Table 41).



**TABLE 41
DEFICIENCY GROUP=QUALITY OF CARE
ACTIVITIES OF DAILY LIVING SERVICES (F312)**

Percent of Facilities with Deficiencies							
State	2000	2001	2002	2003	2004	2005	2006
AK	7.7	0.0	0.0	0.0	0.0	6.7	23.1
AL	26.2	33.8	35.8	26.4	29.7	20.2	16.0
AR	13.6	7.8	13.0	15.8	21.3	48.9	63.6
AZ	5.1	3.1	6.1	10.7	6.1	8.0	9.8
CA	22.1	17.3	12.3	9.5	9.3	8.2	9.6
CO	19.6	19.0	14.1	14.6	21.4	20.7	23.8
CT	14.5	20.9	13.8	17.6	19.0	19.4	14.3
DC	5.9	5.6	5.0	0.0	5.0	5.0	0.0
DE	5.1	5.3	6.1	0.0	10.3	4.9	14.3
FL	6.8	10.0	7.0	6.4	3.9	7.0	8.2
GA	20.1	14.9	24.8	18.4	14.7	10.4	8.8
HI	0.0	5.7	12.9	3.1	11.4	0.0	2.2
IA	12.0	20.0	15.8	19.6	22.6	20.5	23.2
ID	14.7	19.2	25.4	16.0	14.7	16.9	23.0
IL	16.7	15.7	12.8	10.9	13.3	13.0	9.4
IN	15.9	12.7	9.2	6.6	8.0	8.1	11.3
KS	25.4	22.8	27.2	27.8	30.1	30.4	36.0
KY	11.1	10.7	4.2	6.4	7.4	4.4	5.8
LA	6.2	3.4	6.7	4.1	9.2	11.4	8.0
MA	6.4	6.5	5.4	3.0	3.4	1.6	2.7
MD	0.9	2.0	2.6	1.8	1.4	1.8	1.8
ME	0.9	3.6	1.8	4.7	1.8	0.9	1.8
MI	18.4	17.7	16.3	11.5	16.0	12.5	13.4
MN	12.3	10.5	12.2	23.6	20.2	25.8	27.0
MO	25.2	23.7	21.9	22.7	25.3	31.2	34.8
MS	6.6	5.9	1.0	1.2	0.6	4.0	4.0
MT	24.4	16.5	12.2	17.4	16.1	11.4	3.5
NC	20.2	19.1	17.1	18.7	14.1	15.6	17.9
ND	21.2	17.6	13.6	8.5	7.3	12.8	7.4
NE	21.7	20.7	17.0	19.1	16.0	9.3	10.0
NH	0.0	1.4	1.6	0.0	1.3	3.9	2.6
NJ	2.5	3.6	2.4	2.1	4.1	3.5	3.1
NM	2.9	0.0	2.9	2.6	12.3	5.9	11.4
NV	20.0	10.9	9.1	13.6	7.3	4.3	2.1
NY	11.7	14.4	12.1	7.8	6.0	6.9	5.9
OH	11.9	9.4	9.9	9.0	7.5	7.5	6.4
OK	18.3	24.5	23.4	18.4	20.6	17.4	23.2
OR	7.5	10.9	9.6	7.5	0.7	8.9	6.8
PA	4.7	4.0	3.6	2.7	3.9	3.8	3.8
RI	3.5	0.0	3.6	5.6	5.1	4.8	4.6
SC	0.0	1.3	12.3	20.8	15.5	8.0	9.0
SD	1.9	6.6	5.0	6.5	3.0	0.0	0.9
TN	7.0	6.6	6.4	10.1	16.1	15.9	10.4
TX	7.3	12.3	12.9	10.1	9.1	11.9	12.1
UT	1.1	4.8	4.5	8.5	18.5	2.5	3.3
VA	8.4	7.6	9.6	8.6	9.7	11.7	12.3
VT	11.9	10.0	8.1	14.6	15.8	27.8	12.5
WA	22.0	16.7	18.3	15.4	9.2	9.9	11.8
WI	7.5	4.6	7.5	8.6	5.7	7.9	8.6
WV	12.4	15.8	10.6	10.8	8.5	6.7	5.5
WY	23.7	17.6	42.9	31.4	19.4	36.1	48.6
US	12.9	12.6	12.0	11.2	11.4	12.7	12.8

Pressure Sores (F314)

Facilities must ensure that residents without pressure sores do not develop them if it is avoidable. In 2000, 17.0 percent of facilities received deficiencies for failing to meet this standard (See Table 42). Although violations for pressure sores have fluctuated since 2000, the percent of facilities cited for this violation was 19.8 in 2006.

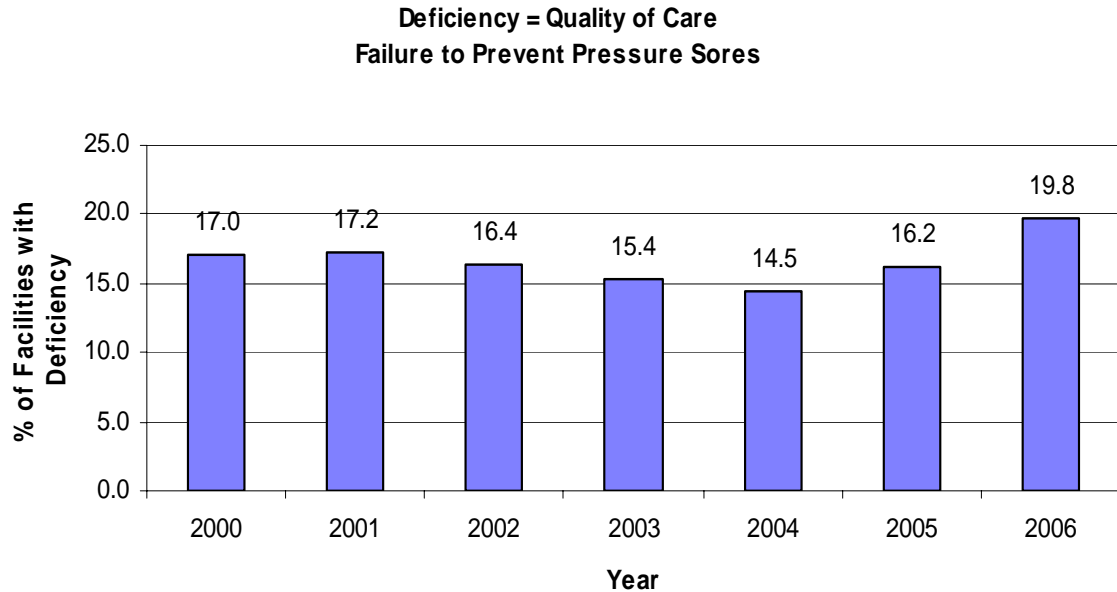


TABLE 42
DEFICIENCY GROUP=QUALITY OF CARE
PRESSURE SORES (F314)

Percent of Facilities with Deficiencies

State	2000	2001	2002	2003	2004	2005	2006
AK	0.0	0.0	0.0	0.0	8.3	0.0	0.0
AL	15.5	12.3	13.8	11.1	15.3	12.9	17.2
AR	24.4	21.1	12.6	13.6	18.7	23.8	32.2
AZ	13.1	10.8	5.3	7.1	11.3	14.9	13.6
CA	25.1	23.2	19.9	18.7	18.6	16.2	19.2
CO	20.1	24.1	30.0	25.7	22.8	19.7	23.8
CT	25.7	31.1	31.4	34.8	33.6	36.6	38.4
DC	11.8	38.9	5.0	11.8	5.0	40.0	30.0
DE	15.4	26.3	6.1	10.8	28.2	24.4	40.5
FL	9.7	9.5	7.1	6.1	5.5	7.5	10.1
GA	13.4	11.8	22.0	19.2	18.3	23.1	19.9
HI	28.2	14.3	35.5	28.1	14.3	12.8	6.5
IA	8.7	7.0	8.4	6.8	9.4	8.0	10.6
ID	20.0	9.6	26.8	20.0	29.4	39.4	41.9
IL	24.1	23.6	17.5	19.7	18.3	19.2	20.9
IN	15.5	13.5	12.3	12.2	14.8	15.8	23.3
KS	27.0	24.4	23.3	21.3	25.3	44.1	45.0
KY	14.8	19.9	16.1	14.3	6.7	5.1	7.6
LA	9.9	18.3	13.4	10.3	12.2	17.6	13.9
MA	10.7	13.5	12.6	11.7	7.6	9.3	10.2
MD	7.4	11.9	11.8	10.5	11.7	15.4	8.9
ME	1.8	5.4	5.3	5.7	4.6	41.5	31.8
MI	25.2	25.0	24.6	25.4	21.0	20.4	22.9
MN	12.6	8.6	10.6	13.5	17.0	37.4	74.9
MO	23.0	15.4	20.0	16.8	16.7	24.2	25.7
MS	17.0	14.6	10.5	5.3	1.7	2.0	5.0
MT	27.8	22.4	12.2	14.1	8.0	3.4	5.9
NC	13.1	13.6	12.0	12.6	9.7	6.5	8.3
ND	12.9	12.9	17.3	12.2	4.9	20.5	19.8
NE	13.8	15.4	13.5	12.6	10.3	13.0	17.2
NH	15.7	11.6	14.5	8.1	13.2	19.7	13.2
NJ	16.9	21.5	19.5	19.6	11.0	16.4	16.3
NM	2.9	9.2	11.8	9.1	13.8	14.7	10.0
NV	20.0	13.0	11.4	20.5	29.3	13.0	21.3
NY	29.2	28.7	26.7	20.3	16.8	17.2	20.4
OH	21.7	19.8	22.4	16.2	13.9	16.0	19.5
OK	9.3	19.8	15.9	13.1	12.2	9.9	15.0
OR	25.2	27.1	23.0	21.8	16.4	14.5	18.0
PA	15.1	14.3	13.8	14.9	15.3	12.7	14.1
RI	5.9	10.3	18.1	19.4	19.2	9.5	11.5
SC	16.0	17.3	16.6	21.4	22.6	18.5	22.8
SD	8.3	12.3	5.0	15.7	11.0	4.7	10.3
TN	13.3	13.6	15.3	14.1	20.4	13.6	10.8
TX	9.6	14.0	12.1	11.6	9.0	12.2	16.1
UT	11.4	9.5	13.5	6.1	3.7	1.2	2.2
VA	13.4	11.2	11.7	13.4	13.1	18.1	19.4
VT	16.7	10.0	10.8	29.3	34.2	13.9	22.5
WA	29.7	25.9	27.5	26.1	23.3	18.5	20.7
WI	8.7	10.4	10.6	13.6	9.8	10.3	12.3
WV	4.7	14.9	8.1	6.9	6.8	1.7	8.3
WY	26.3	32.4	28.6	25.7	13.9	13.9	28.6
US	17.0	17.2	16.4	15.4	14.5	16.2	19.8

Bladder Incontinence Care (F315)

Residents who have bladder incontinence should receive appropriate treatment and services to prevent incontinence and to restore as much bladder functioning as possible. In 2000, 11.5 percent of facilities received deficiencies for this standard compared with 19.8 percent in 2006 (See Table 43).

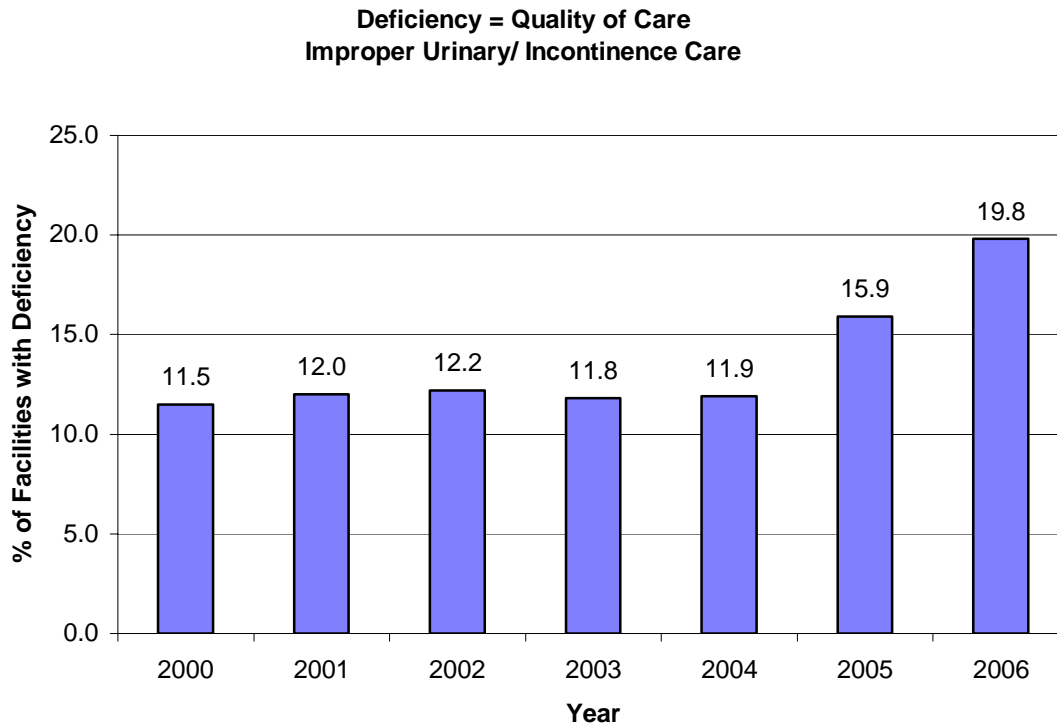


TABLE 43
DEFICIENCY GROUP=QUALITY OF CARE
Urinary/Incontinence Care (F315)

Percent of Facilities with Deficiencies							
State	2000	2001	2002	2003	2004	2005	2006
AK	0.0	0.0	0.0	0.0	0.0	0.0	7.7
AL	29.3	22.1	24.8	15.7	23.8	17.8	20.1
AR	5.6	4.3	6.3	13.6	10.2	34.9	35.6
AZ	10.0	20.8	9.2	17.0	4.3	14.9	20.5
CA	17.8	17.8	18.9	23.3	27.4	23.5	26.2
CO	7.5	8.8	4.2	7.3	7.3	14.3	26.2
CT	11.9	18.4	14.2	21.6	25.1	20.3	19.8
DC	0.0	0.0	0.0	0.0	10.0	5.0	10.0
DE	20.5	13.2	0.0	0.0	25.6	26.8	42.9
FL	7.7	10.4	9.3	12.8	10.0	16.3	18.8
GA	12.0	15.5	16.4	19.8	22.0	26.0	32.8
HI	2.6	5.7	38.7	18.8	22.9	20.5	32.6
IA	10.8	11.1	9.5	10.5	12.4	10.6	8.3
ID	12.2	11.0	23.9	14.7	26.5	33.8	31.1
IL	21.7	20.3	17.1	19.0	20.1	14.4	15.4
IN	12.4	9.0	9.0	10.0	16.0	17.9	21.1
KS	31.1	35.6	29.4	29.8	50.1	53.9	60.5
KY	13.3	15.1	10.0	20.0	22.1	9.5	15.1
LA	5.9	7.8	14.7	8.6	13.2	10.3	7.3
MA	10.1	11.0	13.7	10.3	12.1	10.0	11.1
MD	8.2	6.5	6.1	5.5	9.4	10.1	11.6
ME	2.5	1.8	5.3	10.4	4.6	24.5	43.6
MI	10.3	9.0	13.4	12.9	11.7	12.0	9.5
MN	23.1	16.4	20.1	32.9	53.1	43.0	78.9
MO	5.3	7.9	12.8	13.0	19.8	17.3	23.7
MS	13.7	16.2	14.7	8.9	7.3	3.5	5.9
MT	1.7	3.5	5.4	3.3	2.3	10.2	7.1
NC	13.6	13.3	11.2	17.9	15.6	8.9	10.5
ND	29.4	12.9	7.4	12.2	11.0	16.7	18.5
NE	11.4	11.2	8.0	8.4	15.0	9.3	21.7
NH	22.9	14.5	6.5	6.8	15.8	6.6	10.5
NJ	5.7	5.8	6.8	7.3	11.6	9.7	11.1
NM	3.6	12.3	13.2	2.6	10.8	17.6	24.3
NV	49.6	30.4	50.0	63.6	61.0	17.4	21.3
NY	3.5	3.2	4.5	3.4	5.2	2.5	7.5
OH	14.1	11.8	14.7	11.4	12.8	10.1	10.5
OK	9.1	15.6	15.9	20.9	35.5	22.9	26.9
OR	7.1	14.0	7.4	5.3	4.5	8.9	15.0
PA	9.4	9.9	7.3	9.5	15.6	11.3	11.8
RI	1.3	0.0	1.2	8.3	1.3	3.6	3.4
SC	29.6	19.3	17.8	31.5	36.1	23.5	22.8
SD	4.4	7.5	5.9	4.6	5.0	1.9	3.7
TN	9.9	10.0	19.4	36.9	28.6	27.6	22.8
TX	5.8	7.5	7.1	7.1	6.4	7.5	9.4
UT	6.8	2.4	1.1	1.2	1.2	0.0	0.0
VA	1.9	2.8	1.7	4.1	8.9	8.9	11.2
VT	0.0	5.0	0.0	0.0	10.5	19.4	22.5
WA	16.6	18.3	15.8	15.8	27.1	19.8	23.6
WI	2.7	5.3	6.2	13.6	22.9	19.8	25.1
WV	5.5	9.6	8.9	11.5	6.8	17.5	11.0
WY	42.1	29.4	25.7	22.9	19.4	27.8	37.1
US	11.5	12.0	12.2	11.8	11.9	15.9	19.8

Limited Range of Motion Services (F318)

Residents with limited range of motion must receive appropriate treatment and services to increase their range and/or to prevent declines in range of motion. In 2000, 8.5 percent of facilities received deficiencies for violating this requirement. The percent of facilities with deficiencies decreased to 6.4 percent in 2006 (See Table 44).

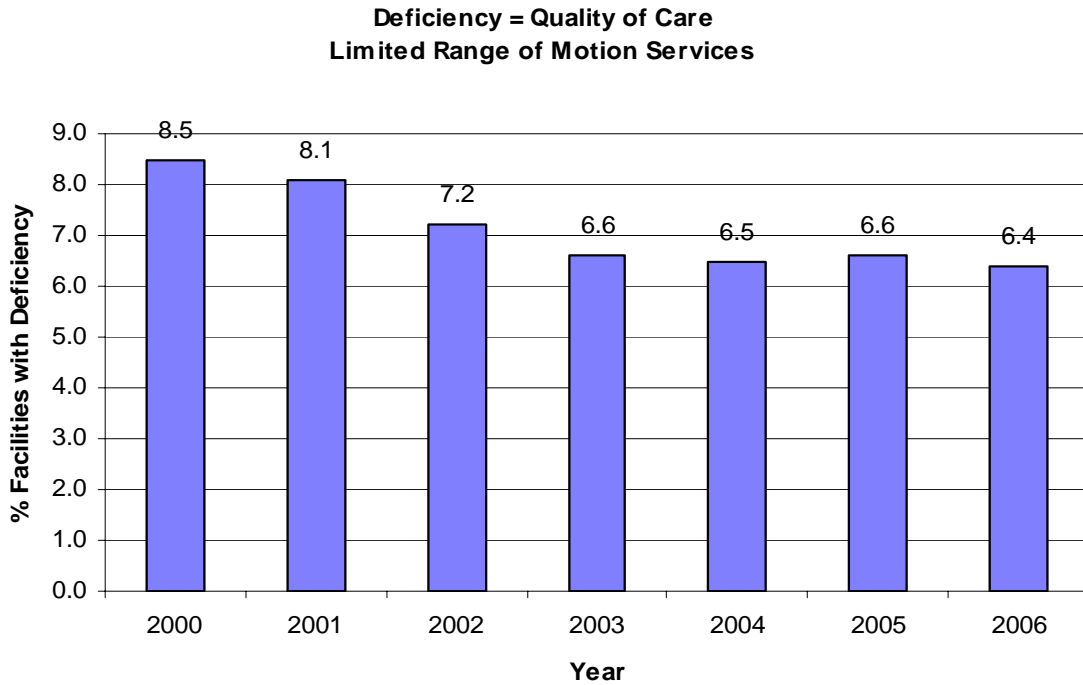


TABLE 44
DEFICIENCY GROUP=QUALITY OF CARE
LIMITED RANGE OF MOTION SERVICES (F318)

Percent of Facilities with Deficiencies							
State	2000	2001	2002	2003	2004	2005	2006
AK	0.0	0.0	0.0	0.0	0.0	0.0	7.7
AL	7.5	5.1	8.7	1.9	5.0	1.8	4.7
AR	9.2	9.9	9.6	12.3	12.8	14.0	14.8
AZ	3.6	5.4	3.1	7.1	2.6	6.9	5.3
CA	12.5	12.9	9.0	8.8	8.1	7.6	8.9
CO	15.6	13.0	7.5	18.0	11.2	9.4	9.4
CT	4.6	8.2	6.7	7.5	10.0	5.3	4.2
DC	5.9	16.7	10.0	11.8	15.0	35.0	20.0
DE	7.7	5.3	0.0	0.0	5.1	4.9	11.9
FL	3.5	4.8	4.5	4.4	4.2	3.2	3.1
GA	6.4	5.0	13.6	9.0	6.7	8.3	8.5
HI	0.0	2.9	3.2	3.1	8.6	5.1	6.5
IA	6.4	6.1	6.1	5.1	7.1	7.6	7.1
ID	8.0	9.6	9.9	4.0	11.8	15.5	12.2
IL	9.6	9.8	7.5	6.0	7.5	6.0	4.8
IN	12.9	7.5	6.3	3.4	4.7	3.8	4.0
KS	18.5	15.0	12.8	17.5	24.0	21.2	23.9
KY	6.6	9.6	3.8	2.9	2.5	3.4	1.4
LA	2.8	6.5	6.7	4.1	4.3	2.6	2.9
MA	2.6	2.7	4.3	4.1	3.0	2.3	2.0
MD	0.0	2.5	3.1	5.0	3.8	7.0	6.2
ME	0.9	0.0	0.9	0.9	0.9	0.9	2.7
MI	17.2	12.0	13.2	10.6	6.9	7.1	7.5
MN	11.3	8.9	9.0	19.6	18.3	15.7	17.1
MO	10.2	5.9	8.1	6.3	7.6	8.6	6.9
MS	17.6	13.5	6.8	0.6	2.8	2.0	3.0
MT	10.0	12.9	2.7	0.0	1.1	1.1	1.2
NC	11.1	14.1	10.1	6.6	6.2	6.7	6.2
ND	2.4	2.4	2.5	1.2	7.3	1.3	2.5
NE	5.8	2.7	3.5	3.3	4.2	7.0	8.1
NH	1.4	0.0	0.0	0.0	0.0	0.0	0.0
NJ	2.9	5.5	3.8	4.5	5.8	4.7	4.0
NM	1.4	4.6	1.5	1.3	3.1	1.5	1.4
NV	8.9	4.3	4.5	2.3	7.3	6.5	6.4
NY	11.2	9.6	8.4	9.3	5.5	6.8	4.7
OH	9.9	7.5	8.8	6.6	5.6	5.0	4.6
OK	17.6	22.6	10.4	12.5	10.5	7.8	8.0
OR	7.5	11.6	5.2	7.5	6.0	8.1	6.0
PA	8.3	6.3	5.9	4.3	4.1	4.0	5.5
RI	7.1	4.6	14.5	8.3	9.0	6.0	14.9
SC	9.5	4.0	12.3	11.9	7.1	8.0	4.8
SD	4.6	4.7	3.0	2.8	4.0	2.8	3.7
TN	4.8	4.5	4.8	4.6	6.7	3.2	2.8
TX	4.8	5.3	6.8	3.1	2.7	3.1	5.3
UT	0.0	4.8	2.2	1.2	0.0	0.0	0.0
VA	6.9	8.0	7.5	8.9	4.2	4.4	5.6
VT	4.8	0.0	0.0	0.0	2.6	0.0	2.5
WA	13.9	14.3	5.4	4.1	2.5	7.4	10.5
WI	4.6	5.1	4.9	3.9	5.4	4.7	4.3
WV	3.9	13.2	1.6	5.4	6.8	4.2	2.8
WY	5.3	14.7	5.7	8.6	11.1	19.4	25.7
US	8.5	8.1	7.2	6.6	6.5	6.6	6.4

Accident Environment (F323)

Facilities must ensure that the environment is as free of accident hazards as possible. This is designed to prevent unexpected and unintended injury. In 2000, 19.3 percent of facilities received deficiencies for failing to meet this standard (See Table 45). In 2006, 23.6 percent of facilities received deficiencies for this requirement.

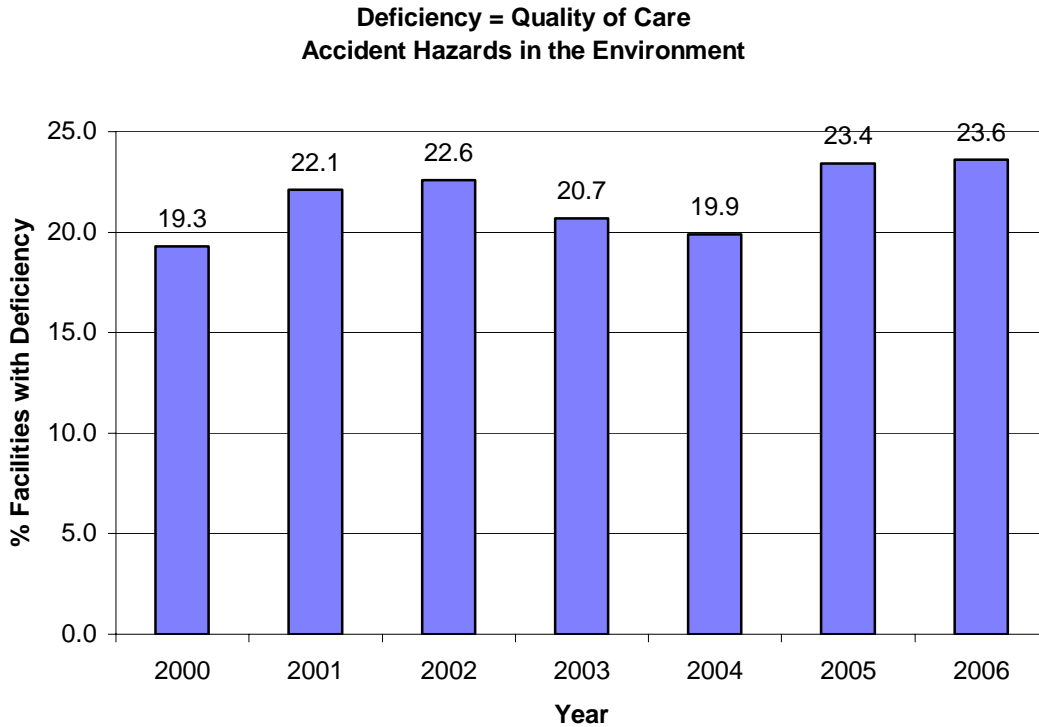


TABLE 45
DEFICIENCY GROUP=QUALITY OF CARE
ACCIDENT ENVIRONMENT (F323)

Percent of Facilities with Deficiencies

State	2000	2001	2002	2003	2004	2005	2006
AK	23.1	0.0	8.3	0.0	25.0	13.3	23.1
AL	20.3	18.5	18.8	15.7	12.9	12.3	7.7
AR	30.0	42.7	33.5	42.1	36.6	44.7	64.4
AZ	37.2	46.2	54.2	39.3	42.6	40.2	48.5
CA	31.2	32.4	30.5	24.5	26.4	28.0	29.1
CO	18.1	33.3	28.6	30.6	36.9	35.5	38.6
CT	16.2	12.7	15.9	17.6	28.9	45.4	38.0
DC	29.4	33.3	50.0	70.6	75.0	65.0	65.0
DE	20.5	21.1	18.2	32.4	69.2	63.4	71.4
FL	10.8	19.2	17.5	15.3	13.3	16.8	18.3
GA	27.7	33.9	36.5	32.1	28.4	26.9	25.9
HI	2.6	20.0	3.2	15.6	28.6	12.8	10.9
IA	24.7	30.9	30.8	21.5	24.9	24.6	21.8
ID	13.3	19.2	46.5	24.0	29.4	43.7	48.6
IL	34.8	31.5	25.3	28.2	26.3	28.0	31.3
IN	33.1	27.7	21.9	17.3	12.3	21.2	20.7
KS	25.1	23.3	25.0	31.6	30.1	28.7	30.5
KY	21.0	23.9	24.1	26.1	21.4	17.3	22.0
LA	8.7	16.5	37.4	23.3	31.9	37.9	38.3
MA	3.9	5.2	4.6	3.7	5.3	10.4	10.4
MD	7.0	11.4	22.3	20.0	15.0	19.7	22.7
ME	15.2	35.7	34.5	39.6	31.2	40.6	32.7
MI	44.1	39.6	44.1	32.2	31.7	26.5	30.2
MN	13.9	11.9	18.2	30.8	20.2	25.8	23.3
MO	12.1	7.7	9.9	7.1	7.3	9.2	9.7
MS	47.3	29.2	16.8	10.1	10.1	20.7	21.8
MT	4.4	12.9	20.3	14.1	34.5	34.1	35.3
NC	18.2	17.1	13.1	18.2	17.6	15.1	15.5
ND	3.5	10.6	16.0	20.7	29.3	34.6	38.3
NE	12.7	16.0	28.0	26.0	33.8	21.4	25.8
NH	5.7	13.0	11.3	5.4	9.2	10.5	5.3
NJ	11.1	20.0	24.6	19.0	18.8	17.3	17.1
NM	13.0	15.4	14.7	27.3	26.2	32.4	8.6
NV	24.4	17.4	9.1	4.5	7.3	8.7	10.6
NY	11.0	14.1	18.0	16.8	12.3	15.9	19.7
OH	23.7	25.4	23.5	20.6	16.2	19.8	21.9
OK	8.3	12.7	19.0	25.6	23.6	24.1	22.6
OR	6.8	14.7	21.5	17.3	6.7	5.6	6.8
PA	8.1	9.6	12.2	18.2	16.1	17.8	22.4
RI	7.1	6.9	13.3	5.6	11.5	6.0	11.5
SC	20.7	23.3	20.9	18.5	23.9	27.2	17.4
SD	20.4	29.2	19.8	4.6	6.0	15.0	17.8
TN	19.4	27.2	30.3	17.3	20.7	19.8	16.1
TX	15.4	23.0	23.3	17.2	16.3	19.4	18.5
UT	12.5	10.7	11.2	14.6	12.3	16.0	12.2
VA	2.3	2.0	4.6	3.3	4.6	7.3	9.3
VT	14.3	5.0	2.7	17.1	2.6	8.3	17.5
WA	22.0	34.3	36.3	35.7	23.8	19.8	15.6
WI	10.5	13.4	10.9	11.8	9.5	12.7	11.2
WV	24.8	22.8	17.9	17.7	11.0	12.5	13.8
WY	15.8	32.4	2.9	22.9	8.3	30.6	65.7
US	19.3	22.1	22.6	20.7	19.9	23.4	23.6

Nutrition (F325)

Facilities must ensure that residents receive acceptable nutrition to maintain body weight unless a resident's condition makes this impossible. In 2000, 8.8 percent of facilities failed to meet this standard compared with 7.9 percent in 2006 (See Table 46).

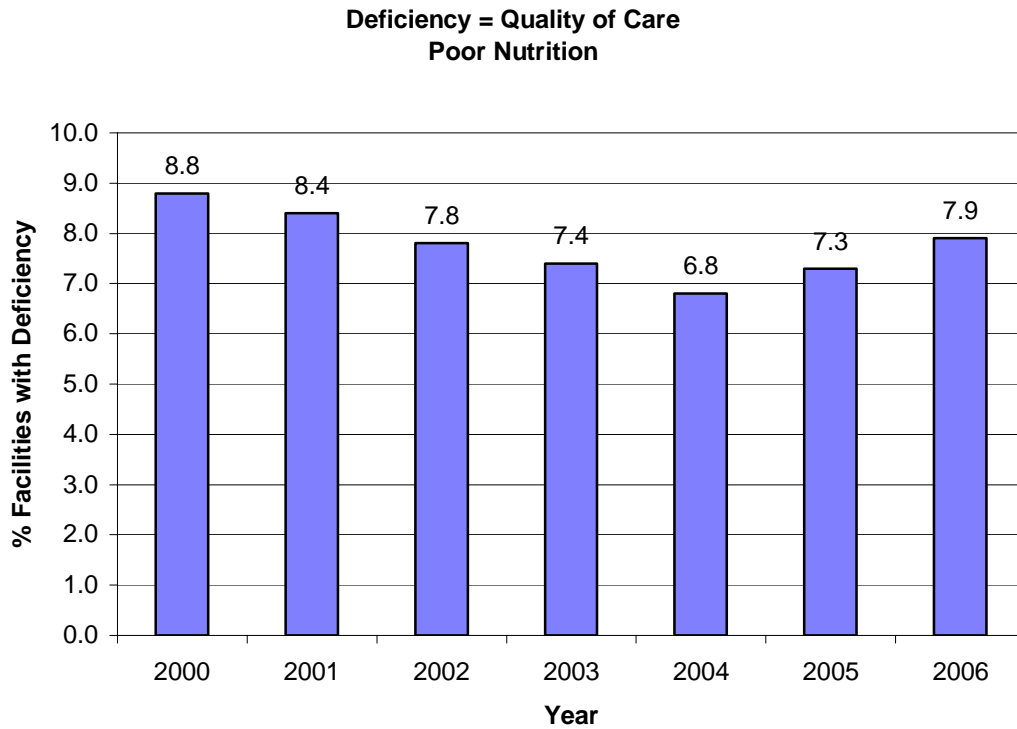


TABLE 46
DEFICIENCY GROUP=QUALITY OF CARE
NUTRITION (F325)

Percent of Facilities with Deficiencies

State	2000	2001	2002	2003	2004	2005	2006
AK	15.4	14.3	8.3	7.1	0.0	13.3	7.7
AL	9.1	5.1	4.6	5.1	2.5	3.7	1.8
AR	16.4	9.5	7.9	8.8	9.4	5.1	7.2
AZ	2.9	0.8	1.5	4.5	1.7	2.3	5.3
CA	13.8	17.5	11.9	11.7	14.0	9.6	11.7
CO	10.1	10.2	8.5	16.5	18.0	11.8	17.3
CT	6.2	3.7	4.2	5.7	8.1	8.8	10.1
DC	5.9	0.0	0.0	5.9	15.0	0.0	20.0
DE	12.8	5.3	0.0	5.4	7.7	7.3	9.5
FL	8.6	8.9	6.8	4.7	4.8	4.5	6.1
GA	5.8	6.5	8.4	5.2	5.8	12.1	12.8
HI	5.1	5.7	9.7	12.5	17.1	15.4	8.7
IA	3.3	1.8	5.4	4.6	3.7	3.0	3.9
ID	5.3	4.1	7.0	5.3	4.4	5.6	13.5
IL	8.1	7.1	6.4	7.6	7.6	7.1	10.3
IN	9.7	6.0	7.6	8.2	6.1	5.1	9.5
KS	17.2	11.1	13.1	11.7	11.7	17.8	15.3
KY	18.5	15.1	7.7	6.8	4.9	3.7	3.4
LA	5.3	6.2	9.6	6.2	5.3	9.9	6.2
MA	4.5	5.8	5.0	4.1	4.6	5.1	4.4
MD	7.0	8.5	6.6	10.5	9.4	10.1	8.4
ME	2.7	0.0	0.0	2.8	1.8	0.0	1.8
MI	19.3	14.4	16.3	13.4	7.1	12.3	13.9
MN	4.1	2.7	2.4	4.2	3.1	2.2	4.3
MO	9.8	7.3	8.7	8.3	7.1	9.4	11.1
MS	13.7	12.4	7.9	4.1	2.8	4.5	5.0
MT	15.6	9.4	1.4	6.5	2.3	3.4	2.4
NC	7.8	7.3	4.8	7.6	5.2	5.0	4.3
ND	8.2	3.5	3.7	2.4	3.7	9.0	7.4
NE	4.2	5.9	3.5	4.2	7.5	6.5	10.0
NH	4.3	2.9	1.6	1.4	0.0	0.0	1.3
NJ	7.3	7.6	9.2	10.6	7.8	6.7	4.9
NM	1.4	6.2	1.5	3.9	1.5	7.4	1.4
NV	24.4	13.0	25.0	18.2	22.0	13.0	17.0
NY	7.1	9.9	8.4	11.2	12.5	9.8	11.9
OH	4.5	4.1	4.4	4.1	2.1	4.1	5.8
OK	8.3	9.0	5.5	9.7	4.4	6.7	4.9
OR	21.1	18.6	12.6	9.0	6.7	8.1	5.3
PA	8.1	8.7	5.5	6.3	7.6	7.5	8.3
RI	1.2	3.4	2.4	5.6	0.0	6.0	4.6
SC	8.9	4.7	11.7	8.9	7.1	3.7	5.4
SD	8.3	16.0	14.9	13.0	11.0	7.5	7.5
TN	8.6	4.8	10.2	4.6	7.3	6.2	4.7
TX	8.6	9.8	6.8	5.2	4.8	4.7	5.7
UT	2.3	2.4	14.6	12.2	3.7	4.9	6.7
VA	9.2	8.8	5.4	6.7	4.6	4.0	3.7
VT	4.8	2.5	0.0	2.4	5.3	0.0	5.0
WA	15.8	15.5	15.8	13.3	11.3	15.6	14.8
WI	3.9	7.6	4.1	3.4	1.8	3.7	3.7
WV	0.0	3.5	4.9	0.8	2.5	2.5	1.8
WY	10.5	5.9	5.7	5.7	8.3	2.8	5.7
US	8.8	8.4	7.8	7.4	6.8	7.3	7.9

Sufficient Nursing Staff (F353)

Facilities must have sufficient nursing staff to provide nursing and related services to attain or maintain the highest practicable physical, mental, and psychosocial well-being of residents. In 2000, 5.3 percent of facilities were given deficiencies for failing to meet this requirement compared with only 3.0 percent in 2006 (See Table 47). These low deficiency rates are a concern considering that the CMS (2002) report found that 9 out of 10 facilities have inadequate staffing.

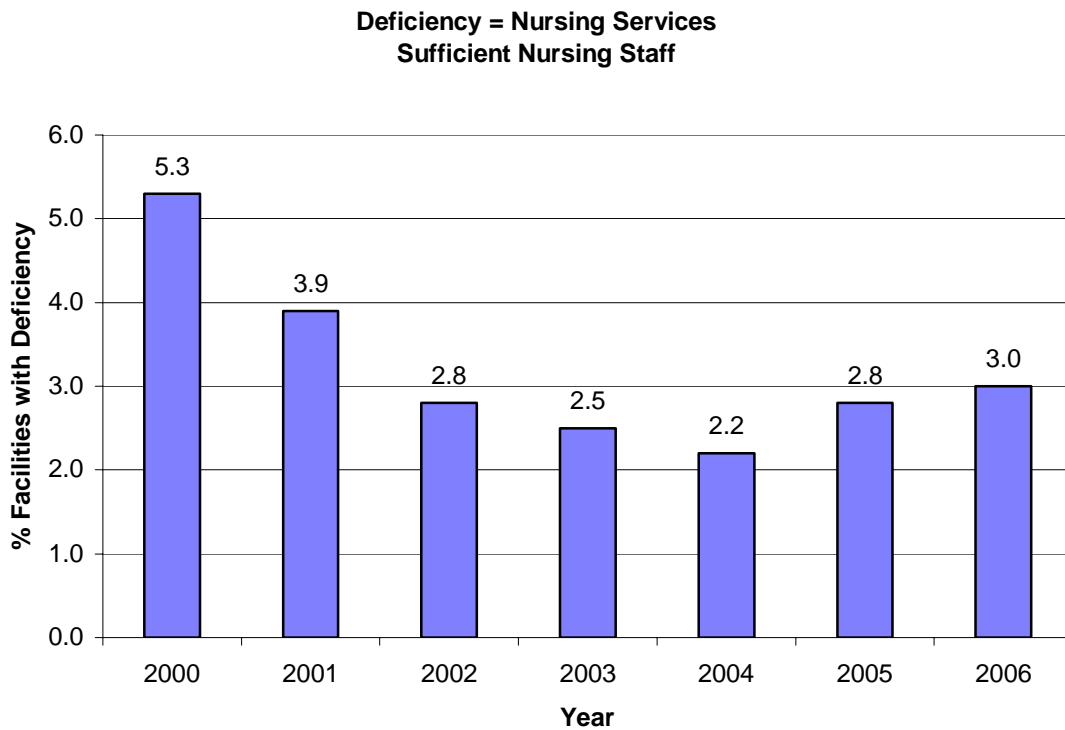
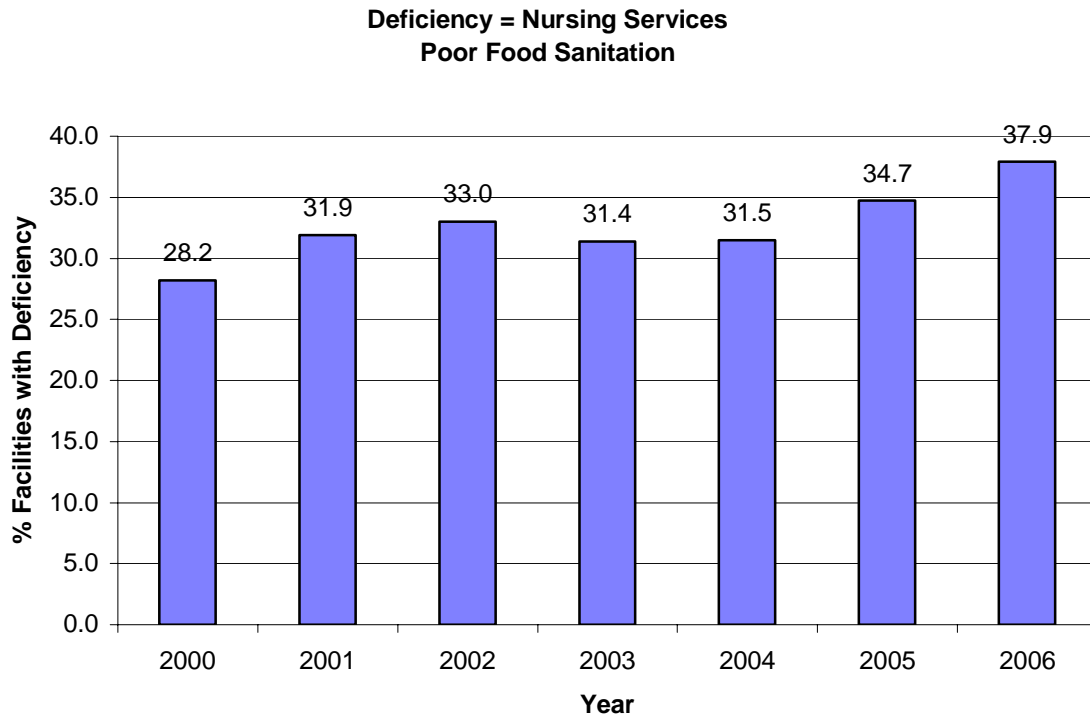


TABLE 47 DEFICIENCY GROUP=NURSING SERVICES SUFFICIENT NURSING STAFF (F353)							
Percent of Facilities with Deficiencies							
State	2000	2001	2002	2003	2004	2005	2006
AK	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AL	10.7	9.2	1.8	3.2	4.0	4.3	3.6
AR	2.4	0.4	0.8	0.9	1.3	2.1	0.8
AZ	2.2	2.3	2.3	0.9	0.0	2.3	3.8
CA	10.5	6.6	3.9	4.3	3.3	4.4	5.0
CO	3.0	2.3	0.5	1.0	1.0	3.0	3.0
CT	3.3	4.1	2.9	1.3	2.8	0.0	2.1
DC	5.9	16.7	5.0	5.9	0.0	5.0	10.0
DE	7.7	2.6	0.0	2.7	0.0	0.0	2.4
FL	10.5	11.5	7.4	7.6	4.9	6.7	6.0
GA	3.7	5.3	5.0	2.6	1.8	2.4	1.4
HI	12.8	11.4	12.9	6.3	5.7	2.6	0.0
IA	3.8	4.1	1.6	2.4	3.2	2.8	2.5
ID	8.0	4.1	7.0	6.7	2.9	4.2	4.1
IL	6.5	2.7	2.4	2.0	1.7	1.7	1.8
IN	5.9	2.8	2.0	2.2	1.8	2.1	2.4
KS	6.9	5.8	4.4	5.0	7.8	9.5	13.3
KY	8.1	8.8	4.2	3.6	2.1	1.7	3.8
LA	2.2	4.0	8.0	4.5	4.6	8.5	5.8
MA	2.8	2.0	2.2	1.8	0.5	1.4	2.0
MD	1.3	1.5	0.9	0.5	0.0	1.3	0.9
ME	1.8	2.7	0.9	1.9	0.9	0.0	1.8
MI	12.7	6.8	6.1	5.4	4.5	6.4	5.8
MN	3.9	3.5	3.8	4.2	4.5	3.1	3.2
MO	10.5	6.7	5.7	4.9	2.0	4.3	3.8
MS	12.1	4.3	4.7	3.0	1.7	0.5	0.0
MT	0.0	1.2	0.0	0.0	0.0	0.0	1.2
NC	6.1	2.5	1.3	2.0	1.0	1.7	1.2
ND	1.2	0.0	0.0	0.0	0.0	0.0	0.0
NE	3.2	1.1	0.5	0.0	0.0	0.0	1.4
NH	1.4	2.9	3.2	0.0	2.6	1.3	0.0
NJ	0.6	0.6	0.3	0.6	0.3	0.3	0.6
NM	5.8	4.6	2.9	6.5	7.7	7.4	1.4
NV	13.3	4.3	6.8	11.4	7.3	6.5	12.8
NY	2.3	1.6	1.1	0.2	0.6	0.2	0.3
OH	2.3	2.3	1.0	0.9	0.8	1.6	2.0
OK	2.8	3.3	2.5	1.4	1.4	2.3	3.7
OR	10.9	8.5	3.0	3.0	4.5	4.8	5.3
PA	1.4	1.1	0.9	0.7	0.6	0.6	0.4
RI	0.0	0.0	0.0	0.0	0.0	1.2	1.1
SC	3.0	2.0	0.6	0.0	2.6	4.3	6.0
SD	2.8	1.9	2.0	1.9	5.0	2.8	5.6
TN	6.7	3.3	2.5	4.2	5.8	3.6	3.2
TX	3.2	3.1	2.7	1.1	1.3	2.6	2.0
UT	0.0	1.2	0.0	0.0	1.2	0.0	0.0
VA	2.7	1.6	0.8	0.7	0.4	0.8	2.6
VT	0.0	7.5	5.4	0.0	10.5	11.1	10.0
WA	8.1	5.2	4.6	4.1	2.5	2.9	2.5
WI	3.3	2.5	0.5	0.8	1.0	1.3	3.2
WV	7.8	3.5	0.8	3.1	2.5	1.7	1.8
WY	7.9	0.0	2.9	8.6	0.0	2.2	17.1
US	5.3	3.9	2.8	2.5	2.2	2.8	3.0

Food Sanitation (F371)

Sanitary conditions must be ensured in storing, preparing, distributing, and serving food to prevent food borne illness. In 2000, 28.2 percent of facilities were given deficiencies for failure to meet this regulation compared to 37.9 percent in 2006 (See Table 48).



**TABLE 48
DEFICIENCY GROUP=DIETARY SERVICES
FOOD SANITATION (F371)**

Percent of Facilities with Deficiencies							
State	2000	2001	2002	2003	2004	2005	2006
AK	46.2	50.0	33.3	21.4	33.3	46.7	61.5
AL	54.5	52.8	50.9	43.5	36.6	54.6	42.6
AR	49.2	61.6	51.0	55.7	52.8	45.1	56.8
AZ	51.8	53.1	57.3	50.0	36.5	34.5	43.2
CA	42.8	45.9	46.1	43.1	46.2	46.8	52.7
CO	21.6	17.1	21.6	24.8	43.7	33.5	40.1
CT	14.1	20.5	16.3	21.1	24.6	24.7	29.1
DC	82.4	72.2	85.0	76.5	75.0	90.0	85.0
DE	46.2	44.7	27.3	54.1	48.7	58.5	66.7
FL	38.0	44.5	43.5	44.5	45.6	56.5	53.4
GA	36.0	35.4	42.4	38.5	32.7	34.0	36.8
HI	28.2	42.9	41.9	31.3	17.1	33.3	37.0
IA	29.8	39.3	39.6	37.4	36.4	37.7	34.7
ID	21.3	30.1	50.7	36.0	38.2	62.0	60.8
IL	35.5	33.0	20.4	16.0	18.0	21.6	22.4
IN	27.8	26.8	21.1	17.7	19.7	26.1	29.2
KS	23.5	26.4	31.9	28.9	29.2	35.8	38.3
KY	36.2	41.9	33.0	32.5	33.0	35.6	39.9
LA	28.9	39.1	53.7	38.4	31.6	31.6	33.9
MA	9.4	11.7	15.4	14.0	12.8	14.6	12.6
MD	7.4	18.4	30.1	30.5	26.8	34.6	49.8
ME	14.3	50.9	55.8	50.9	34.9	38.7	33.6
MI	50.2	45.0	47.1	38.3	38.1	37.8	41.4
MN	22.9	18.6	24.7	36.6	33.2	38.8	38.8
MO	29.2	33.6	34.0	37.3	39.4	35.2	38.3
MS	42.9	41.1	35.6	35.5	33.1	33.3	38.1
MT	20.0	15.3	40.5	44.6	58.6	56.8	49.4
NC	32.1	31.2	28.0	36.4	36.5	44.2	49.5
ND	17.6	16.5	22.2	24.4	24.4	41.0	42.0
NE	25.9	22.9	37.5	27.9	37.6	48.8	41.6
NH	17.1	24.6	8.1	13.5	13.2	34.2	26.3
NJ	20.1	21.8	24.0	23.0	24.9	26.1	22.3
NM	14.5	18.5	19.1	24.7	12.3	33.8	25.7
NV	51.1	58.7	27.3	31.8	48.8	32.6	38.3
NY	12.6	19.1	20.0	19.9	14.6	17.6	23.1
OH	28.2	31.3	37.6	28.3	24.6	26.2	26.3
OK	13.4	30.7	43.1	43.2	47.6	61.4	67.3
OR	10.9	10.9	17.8	9.8	4.5	4.0	14.3
PA	11.6	11.6	18.9	18.6	22.2	26.6	31.9
RI	11.8	17.2	20.5	5.6	21.8	16.7	14.9
SC	41.4	37.3	25.8	43.5	37.4	42.6	37.7
SD	36.1	32.1	53.5	44.4	42.0	44.9	46.7
TN	42.9	42.3	39.2	36.9	41.0	36.7	27.8
TX	24.2	37.6	41.1	33.6	33.0	35.3	34.0
UT	33.0	36.9	36.0	45.1	38.3	48.1	46.7
VA	5.0	4.0	11.3	13.4	20.1	19.8	28.4
VT	23.8	20.0	2.7	14.6	15.8	33.3	27.5
WA	47.5	44.6	35.4	39.0	37.5	37.9	43.9
WI	8.5	13.2	6.5	9.2	8.8	11.6	13.6
WV	34.9	43.0	43.1	46.2	59.3	52.5	46.8
WY	15.8	29.4	42.9	54.3	55.6	55.6	74.3
US	28.2	31.9	33.0	31.4	31.5	34.7	37.9

PERCENT OF NURSING FACILITIES IN THE U.S. WITH DEFICIENCIES BY SURVEY CATEGORY

Percent of Deficiencies

This section presents a listing of 185 survey items for each survey category based on the 1995 federal survey categories (excluding the life safety requirements). The percent of facilities in the U.S. with deficiencies are presented for the 2000-2006 period.

Resident Rights

In this category of survey items, the highest percent of deficiencies were given for failure to give notice of changes (See Table 49). Only 8 of the 26 items in this category were cited in 2 percent or more of the facilities in the U.S. in 2006.

**TABLE 49
PERCENT OF NURSING FACILITIES IN THE U.S. WITH DEFICIENCIES FOR RESIDENT
RIGHTS**

DEFICIENCY GROUP=RESIDENT RIGHTS

FTAG	DESCRIPTION	2000	2001	2002	2003	2004	2005	2006
F151	Exercise of Rights	1.1	0.8	1.4	1.2	1.2	0.9	1.4
F152	Free of Reprisal	0.7	0.5	0.6	0.6	0.7	1.2	1.0
F153	Access to Records	0.1	0.1	0.1	0.2	0.2	0.1	0.2
F154	Informed of Condition	0.8	0.9	1.0	0.8	0.9	1.0	1.2
F155	Refuse Treatment	1.0	1.0	1.3	1.2	1.3	1.7	2.0
F156	Notice of Rights and Services	3.1	3.4	4.0	4.1	4.3	4.5	4.6
F157	Notice of Changes	7.6	8.4	8.2	7.9	8.2	10.2	10.9
F158	Resident Manage Financial Affairs	0.1	0.1	0.1	0.1	0.1	0.1	0.1
F159	Facility Manage Personal Funds	2.4	2.3	2.7	2.5	2.4	2.8	3.2
F160	Convey Funds	0.9	1.0	1.0	1.0	0.9	1.1	1.3
F161	Financial Security	1.0	1.0	1.3	0.9	1.1	1.4	1.6
F162	Limit on Charges to Funds	0.4	0.3	0.3	0.2	0.2	0.2	0.2
F163	Choice of Physician	0.1	0.2	0.1	0.1	0.1	0.1	0.1
F164	Privacy and Confidentiality	7.9	8.6	8.6	8.7	8.6	9.6	10.4
F165	Voice Grievances	0.3	0.2	0.2	0.1	0.2	0.2	0.2
F166	Resolve Grievances	2.9	3.1	2.6	2.8	2.8	3.2	3.1
F167	Survey Results	4.0	4.3	4.0	3.5	4.1	4.0	4.1
F168	Information	0.1	0.1	0.1	0.1	0.1	0.1	0.1
F169	Work	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F170	Mail	1.3	1.1	1.4	1.4	1.3	1.7	1.8
F172	Visitors	0.1	0.1	0.2	0.1	0.1	0.1	0.1
F173	Ombudsman	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F174	Telephone	1.4	1.4	1.3	1.3	1.4	1.5	1.6
F175	Married Couples	0.0	0.0	0.1	0.0	0.0	0.0	0.1
F176	Administer Own Drugs	2.4	3.2	3.6	3.7	3.7	4.5	4.6
F177	Refuse Transfers	0.2	0.1	0.1	0.1	0.0	0.0	0.0

Admission, Transfer, and Discharge Rights

In this category of survey items, the most deficiencies were given for failure to provide notice of facility policies and to provide notice before transfer, although few deficiencies were given in this category (See Table 50). In 2006, none of the 8 items in this category were cited in more than 1 percent of the facilities in the U.S.

Resident Behavior and Facility Practices

In this category of survey items, the highest percent of deficiencies were given for hiring unemployable individuals (12.1 percent). The percent with deficiencies for each survey item were as follows: 10.3 percent were given citations for the improper use of physical restraints; 12.1 percent for hiring unemployable individuals; 10.6 percent were cited for failure to follow policy and procedures for staff; and 2.2 were given citations for improper staff treatment of residents (See Table 50).

**TABLE 50
PERCENT OF NURSING FACILITIES IN THE U.S. WITH DEFICIENCIES FOR ADMISSION,
TRANSFER & DISCHARGE RIGHTS AND FOR RESIDENT BEHAVIOR & FACILITY
PRACTICES**

DEFICIENCY GROUP=ADMISSION, TRANSFER AND DISCHARGE RIGHTS

FTAG	DESCRIPTION	2000	2001	2002	2003	2004	2005	2006
F201	Transfer and Discharge	0.2	0.2	0.1	0.1	0.1	0.2	0.2
F202	Documentation	0.1	0.1	0.2	0.1	0.2	0.2	0.2
F203	Notice Before Transfer	0.5	0.6	0.5	0.5	0.5	0.5	0.6
F204	Orientation for Transfer or Discharge	0.1	0.2	0.2	0.1	0.1	0.2	0.2
F205	Notice of Policies	0.7	0.5	0.5	0.7	0.6	0.7	0.7
F206	Permitting Resident to Return to Facility	0.1	0.0	0.0	0.0	0.0	0.0	0.0
F207	Equal Access to Quality Care	0.0	0.1	0.0	0.0	0.0	0.0	0.0
F208	Admission Policy	0.1	0.1	0.1	0.1	0.1	0.1	0.1

DEFICIENCY GROUP=RESIDENT BEHAVIOR AND FACILITY PRACTICES

FTAG	DESCRIPTION	2000	2001	2002	2003	2004	2005	2006
F221	Physical Restraints	10.1	11.0	9.9	9.2	9.2	10.3	10.3
F222	Chemical Restraints	0.5	0.4	0.4	0.3	0.3	0.5	0.5
F223	Abuse	1.6	1.5	1.4	1.1	1.0	1.1	0.0
F224	Staff Treatment of Residents	2.9	2.5	1.9	1.8	1.7	2.0	2.2
F225	Unemployable Individuals	10.9	10.8	11.9	11.0	11.1	12.1	12.1
F226	Policy and Procedures for Staff	0.0	10.3	10.0	8.9	8.5	10.0	10.6

Quality of Life

Most deficiencies were issued to facilities for poor housekeeping (23.5 percent in 2006) and for failure to maintain the dignity of residents (18 percent in 2006). Failure to provide adequate social services, a quality environment and an adequate activities program were also frequently cited (See Table 51). Six of the 19 items in this category were cited in 2 percent or more of the facilities.

<p style="text-align: center;">TABLE 51 PERCENT OF NURSING FACILITIES IN THE U.S. WITH DEFICIENCIES FOR QUALITY OF LIFE DEFICIENCY GROUP=QUALITY OF LIFE</p>								
FTAG	DESCRIPTION	2000	2001	2002	2003	2004	2005	2006
F240	Quality of Life	0.2	0.3	0.3	0.3	0.3	0.4	0.5
F241	Dignity	16.5	17.3	16.2	14.8	15.0	15.8	18.0
F242	Self-Determination/Participation	2.0	2.0	1.9	2.1	2.0	2.5	2.6
F243	Resident and Family Groups	0.4	0.3	0.3	0.3	0.3	0.3	0.2
F244	Listen to Group	0.6	0.4	0.8	0.7	0.8	1.1	1.2
F245	Participate in Other Activities	0.1	0.1	0.1	0.1	0.1	0.1	0.1
F246	Accomodate Needs	9.4	9.7	8.9	8.5	8.5	8.7	9.0
F247	Notice Before Room Change	0.1	0.1	0.2	0.2	0.1	0.2	0.3
F248	Activities Program	7.7	7.9	6.7	6.0	6.3	6.7	8.5
F249	Activities Director	0.5	0.6	0.5	0.5	0.5	0.6	0.8
F250	Social Services	6.4	6.8	6.5	6.1	6.0	7.0	7.3
F251	Social Work Qualification	0.2	0.2	0.3	0.2	0.2	0.2	0.2
F252	Environment	7.3	7.7	7.2	6.5	6.1	6.0	6.1
F253	Housekeeping	16.2	16.9	18.0	17.1	18.3	21.8	23.5
F254	Clean Linens	1.3	1.2	1.0	0.9	1.0	0.9	1.0
F255	Private Closet	0.1	0.1	0.1	0.0	0.1	0.1	0.1
F256	Adequate Lighting	0.6	0.4	0.4	0.3	0.4	0.3	0.5
F257	Comfortable Temperatures	0.8	0.8	0.8	0.8	0.8	0.9	0.9
F258	Comfortable Sound	1.7	1.6	1.4	1.4	1.3	1.2	1.4

Resident Assessment

Most deficiencies were issued to facilities for failure to meet professional standards (29.3 percent in 2006), failure to provide comprehensive care plans for residents (21.3 percent in 2006), failure to provide for qualified personnel (14.9 percent in 2006), failure to make comprehensive assessments (14.3 percent in 2006) and inaccuracy of assessments (13.1 percent in 2006) (See Table 52). Eight of 15 items in this category were cited in 2 percent or more of facilities.

**TABLE 52
PERCENT OF NURSING FACILITIES IN THE U.S. WITH DEFICIENCIES FOR RESIDENT
ASSESSMENT**

DEFICIENCY GROUP=RESIDENT ASSESSMENT

FTAG	DESCRIPTION	2000	2001	2002	2003	2004	2005	2006
F271	Admission Orders	0.2	0.3	0.1	0.2	0.2	0.3	0.3
F272	Comprehensive Assessments	12.8	12.6	10.7	9.1	8.9	10.9	14.3
F273	Frequency	0.8	1.1	1.0	0.7	0.9	0.9	1.1
F274	Change in Condition	3.8	4.0	4.0	3.6	3.4	3.8	3.9
F275	Annual Assessment	0.6	0.9	0.8	0.8	0.8	0.9	0.9
F276	Review of Assessments	3.1	3.0	3.0	2.1	1.8	2.5	3.7
F277	Coordination	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F278	Accuracy of Assessments	6.9	9.1	9.7	9.4	9.8	11.3	13.1
F279	Comprehensive Care Plans	16.7	17.9	16.7	15.2	14.5	19.5	21.3
F280	Plan Requirements	7.8	9.9	10.2	9.5	10.0	12.8	13.0
F281	Professional Standards	15.1	18.8	20.4	20.5	22.1	28.1	29.3
F282	Qualified Personnel	8.8	9.8	9.6	9.7	10.0	13.1	14.9
F283	Discharge Summary	0.9	1.1	0.9	1.0	1.0	1.1	1.1
F284	Post Discharge Plan	0.7	0.6	0.7	0.5	0.5	0.8	0.7
F285	Preadmission Screening	0.3	0.3	0.5	0.5	0.6	0.6	0.8

Quality of Care

The quality of care category contained a number of important items that were given citations. General quality of care was a deficiency in 30.4 percent of facilities in 2006 (Table 53). The failure to keep the environment as free of hazards as possible was cited in 23.6 percent of facilities in 2006. Accident prevention was a deficiency in 23.5 percent of the facilities, while both urinary / incontinence care and failure to prevent pressure sores were deficiencies in 19.8 percent of the facilities in 2006. Seventeen out of the 25 items in this category were cited in 2 percent or more of the facilities in the U.S.

**TABLE 53
PERCENT OF NURSING FACILITIES IN THE U.S. WITH DEFICIENCIES FOR
QUALITY OF CARE**

DEFICIENCY GROUP=QUALITY OF CARE

FTAG	DESCRIPTION	2000	2001	2002	2003	2004	2005	2006
F309	Quality of Care	22.3	23.7	25.2	25.0	26.2	29.5	30.4
F310	Activities of Daily Living Maintenance	1.7	1.7	1.2	1.2	1.1	1.3	1.1
F311	Appropriate ADL Treatment	5.8	4.8	3.9	3.6	3.7	4.0	3.6
F312	ADL Services	12.9	12.6	12.0	11.2	11.4	11.8	12.8
F313	Vision and Hearing	0.6	0.6	0.7	0.6	0.5	0.6	0.8
F314	Pressure Sores	17.0	17.2	16.4	15.4	14.5	16.2	19.8
F315	Urinary / Incontinence Care	11.5	12.0	12.2	11.8	11.9	15.9	19.8
F317	Range of Motion Maintenance	0.7	0.6	0.6	0.5	0.4	0.4	0.4
F318	Limited Range of Motion Services	8.5	8.1	7.2	6.6	6.5	6.6	6.4
F319	Mental and Psychosocial Services	2.1	1.9	1.8	1.6	1.3	1.6	2.0
F320	Maintenance of Psychosocial Functioning	0.2	0.2	0.2	0.1	0.1	0.1	0.2
F321	Nasogastric Tubes (Tube Feeding)	0.1	0.1	0.0	0.0	0.0	0.0	0.1
F322	Nasogastric Care	5.5	5.3	5.7	5.4	5.7	6.4	6.9
F323	Accident Environment	19.3	22.1	22.6	20.7	19.9	23.4	23.6
F324	Accident Prevention	17.1	18.6	19.5	18.7	19.2	22.1	23.5
F325	Nutrition	8.8	8.4	7.8	7.4	6.8	7.3	7.9
F326	Therapeutic Diet	3.0	3.0	2.8	2.4	2.6	2.7	2.1
F327	Hydration	5.6	5.1	4.6	4.0	4.1	3.8	3.9
F328	Special Needs	4.3	4.6	4.9	5.3	5.7	6.6	7.2
F329	Unnessary Drugs	13.7	14.7	14.6	14.3	14.2	14.5	14.1
F332	Medication Errors	9.2	9.9	9.9	10.1	10.9	12.1	12.5
F333	Significant Medication Errors	4.0	3.9	4.0	4.0	4.0	4.3	4.4
F334	Influenza/Pneumococcal Immunizations							1.0

Nursing Services

Nursing services are key to quality of care in nursing facilities. Of the facilities given deficiencies, 5.3 percent of facilities were given deficiencies for insufficient staff to provide appropriate care in 2000 compared to 3.0 percent in 2006 (a 43 percent decrease). The number of deficiencies for inadequate registered nurse staffing increased from 1.2 percent in 2000 to 1.5 in 2006 (Table 54).

Dietary Services

In 2006, 37.9 percent of facilities were given deficiencies for inadequate food sanitation while 8.1 percent received citations for inadequate food, 6.3 for nutritionally inadequate menus, and 4.3 for having infrequent meals (Table 54).

**TABLE 54
PERCENT OF NURSING FACILITIES IN THE U.S. WITH DEFICIENCIES FOR NURSING
SERVICES & DIETARY SERVICES**

DEFICIENCY GROUP=NURSING SERVICES

FTAG	DESCRIPTION	2000	2001	2002	2003	2004	2005	2006
F353	Sufficient Nursing Staff	5.3	3.9	2.8	2.5	2.2	2.8	3.0
F354	Registered Nurse Staff	1.2	1.5	1.7	1.3	1.5	1.6	1.5
F356	Posting of Nurse Staffing							1.4

DEFICIENCY GROUP=DIETARY SERVICES

FTAG	DESCRIPTION	2000	2001	2002	2003	2004	2005	2006
F360	Well-Balanced Diet	0.3	0.0	0.3	0.3	0.3	0.4	0.3
F361	Qualified Staff	0.5	0.7	0.6	0.6	0.6	0.7	0.8
F362	Sufficient Staff	0.7	0.7	0.7	0.7	0.6	0.7	0.8
F363	Menus and Nutritional Adequacy	5.4	5.3	6.3	6.4	6.6	6.6	6.3
F364	Food	8.3	7.9	8.1	7.5	7.0	7.8	8.1
F365	Individual Needs	3.0	3.0	3.1	2.8	2.6	2.8	3.0
F366	Food Substitutes	1.2	1.2	1.1	1.0	1.2	1.3	1.2
F367	Therapeutic Diets	2.3	2.7	2.9	2.4	2.6	3.5	4.0
F368	Frequency of Meals	5.1	5.5	4.8	4.2	4.4	4.2	4.3
F369	Assistive Devices	0.8	0.8	0.9	1.0	0.9	0.9	1.3
F370	Sanitary Conditions	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F371	Food Sanitation	28.2	31.9	33.0	31.4	31.5	34.7	37.9
F372	Garbage Disposal	3.4	3.6	3.7	3.6	3.2	3.6	3.8

Physician Services

Few nursing facilities were given deficiencies for physician services. In 2006, 2.4 percent received deficiencies for inadequate physician visits and 3.0 percent received deficiencies for inadequate frequency of visits (Table 55).

Rehabilitative Services

In 2006, 1.5 percent of facilities were given deficiencies for inadequate rehabilitative services (Table 55).

Dental Services

Even fewer facilities (less than one percent) were given deficiencies for poor dental services than for other types of professional services in the 2000 to 2006 period (Table 55).

**TABLE 55
PERCENT OF NURSING FACILITIES IN THE U.S. WITH DEFICIENCIES FOR PHYSICIAN,
REHABILITATIVE & DENTAL SERVICES**

DEFICIENCY GROUP=PHYSICIAN SERVICES

FTAG	DESCRIPTION	2000	2001	2002	2003	2004	2005	2006
F385	Physician Supervision	0.4	0.3	0.5	0.4	0.5	0.4	0.5
F386	Physician Visits	1.7	2.1	2.1	1.9	2.1	2.1	2.4
F387	Frequency	2.3	2.4	2.6	2.5	2.7	2.8	3.0
F388	Physician Alternates	0.2	0.3	0.2	0.2	0.2	0.3	0.3
F389	Availability	0.1	0.1	0.1	0.1	0.1	0.1	0.1
F390	Physician Delegation of Tasks	0.0	0.0	0.1	0.0	0.0	0.1	0.0

DEFICIENCY GROUP=REHABILITATIVE SERVICES

FTAG	DESCRIPTION	2000	2001	2002	2003	2004	2005	2006
F406	Services	0.8	0.9	1.1	1.1	1.1	1.4	1.5
F407	Qualifications	0.1	0.1	0.1	0.0	0.1	0.1	0.2

DEFICIENCY GROUP=DENTAL SERVICES

FTAG	DESCRIPTION	1999	2000	2001	2002	2003	2004	2005
F411	Routine and Emergency Services (SNF)	0.5	0.6	0.7	0.9	0.8	0.8	0.9
F412	Routine and Emergency Services (NF)	0.4	0.5	0.6	0.6	0.5	0.4	0.6

Pharmacy Services

In 2006, 14.1 percent of facilities received deficiencies for failure to comply with proper pharmacy services, 6.9 for failure to review drug regimens and 6.8 percent of facilities received deficiencies for improper consultation, labeling, and storage of drugs (Table 56). All pharmacy categories were cited in more than 2 percent of facilities in 2006.

Infection Control

Infection control is an important category. In 2000, 11.7 percent of facilities received deficiencies for inadequate infection control, compared to 19.8 percent in 2006 (Table 56). 11.7 percent had deficiencies for inadequate handwashing.

**TABLE 56
PERCENT OF NURSING FACILITIES IN THE U.S. WITH DEFICIENCIES FOR PHARMACY
SERVICE & INFECTION CONTROL**

DEFICIENCY GROUP=PHARMACY SERVICES

FTAG	DESCRIPTION	2000	2001	2002	2003	2004	2005	2006
F425	Pharmacy Services	6.5	8.6	8.9	9.5	10.1	12.8	14.1
F428	Drug Regimen Review	7.1	7.7	7.7	7.3	7.1	7.4	6.9
F431	Consultation, Labeling & Storage	8.6	9.8	10.2	10.6	10.6	12.5	6.8

DEFICIENCY GROUP=INFECTION CONTROL

FTAG	DESCRIPTION	2000	2001	2002	2003	2004	2005	2006
F441	Infection Control	11.7	12.8	14.0	14.4	14.8	16.7	19.8
F442	Preventing Spread of Infections	1.0	1.2	1.1	1.2	1.4	1.8	2.0
F443	Direct Contact	0.1	0.1	0.1	0.2	0.2	0.2	0.2
F444	Handwashing	7.2	7.4	8.7	8.7	9.2	10.4	11.7
F445	Linens	3.1	3.3	3.4	3.0	3.3	4.1	4.1

Physical Environment

The category for physical environment includes 16 subcategories. In 2006, 10.6 percent of facilities received deficiencies for other environmental conditions, and 4.7 percent for inadequate space and equipment (Table 57). Other facilities received deficiencies for inadequate room space (3.0 percent), inadequate pest control (3.7 percent), inadequate resident call systems (2.8 percent) and an inadequate general environment to protect health and safety (1.6 percent).

TABLE 57
PERCENT OF NURSING FACILITIES IN THE U.S. WITH DEFICIENCIES FOR PHYSICAL
DEFICIENCY GROUP=PHYSICAL ENVIRONMENT

FTAG	DESCRIPTION	1999	2000	2001	2002	2003	2004	2005
F454	General Health and Safety	2.2	2.4	2.5	2.7	2.4	2.7	1.6
F455	Emergency Power	0.4	0.4	0.5	0.3	0.3	0.2	0.2
F456	Space and Equipment	2.8	2.9	3.6	3.5	3.3	3.2	4.7
F457	Resident Rooms	0.3	0.2	0.3	0.3	0.3	0.3	0.3
F458	Room Space	3.9	3.4	3.5	3.4	3.0	3.1	3.0
F459	Exits	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F460	Privacy	0.7	0.8	1.2	0.9	1.2	1.1	1.2
F461	Windows	0.1	0.0	0.0	0.1	0.1	0.1	0.0
F462	Toilets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F463	Resident Call System	3.2	2.8	3.0	2.8	2.6	2.3	2.8
F464	Dining and Activities	1.0	1.0	1.1	1.0	0.6	0.6	0.7
F465	Other Environmental Condition	9.2	9.9	11.4	11.3	10.8	9.4	10.6
F466	Emergency Water	0.6	0.6	0.8	0.6	0.5	0.4	0.8
F467	Ventilation	0.9	0.9	0.9	1.1	1.0	0.9	1.2
F468	Equipment in Corridors	1.3	1.4	1.3	1.4	1.4	1.3	1.6
F469	Pest Control	3.3	3.7	4.0	3.7	3.2	2.9	3.7

Administration Services

In 2006, 5.2 percent of facilities received deficiencies for failure to demonstrate the proficiency of nurses aides, 3.6 percent for failure to comply with laws, 2.7 percent for inadequate inservice education, and 2.2 percent for ineffective administration (Table 58). Four of the 12 administrative subcategories were cited in more than 2 percent of facilities in 2006.

Laboratory Services

In 2006, one of the 8 laboratory services subcategories was cited in more than 2 percent of facilities. This deficiency was for failure to provide high quality, timely laboratory services (6.4 percent in 2006).

Other Activities

Three of the 8 other activities subcategories were cited in more than 2 percent of facilities in 2006. These deficiencies were issued for inadequate clinical record keeping (18.6 percent), inadequate emergency training (3.3 percent), and failure of the quality assurance committee to meet requirements (3.5 percent).

TABLE 58 PERCENT OF NURSING FACILITIES IN THE U.S. WITH DEFICIENCIES FOR DEFICIENCY GROUP=ADMINISTRATION								
FTAG	DESCRIPTION	2000	2001	2002	2003	2004	2005	2006
F490	Administered Effectively	2.0	2.0	1.9	1.7	1.6	1.8	2.2
F491	Licensure	0.0	0.0	0.0	0.1	0.0	0.0	0.0
F492	Compliance With Laws	1.8	2.1	1.7	3.2	3.1	4.0	3.6
F493	Governing Body	0.7	0.9	0.4	0.4	0.4	0.6	0.6
F494	Required Training	1.1	0.9	0.9	0.5	0.5	0.3	0.4
F495	Employee Competency Program	0.5	0.5	0.5	0.2	0.3	0.3	0.3
F496	Registry Verifications	2.1	1.6	1.7	1.5	1.3	1.4	1.3
F497	Inservice Education	1.8	2.2	2.2	2.0	2.4	2.4	2.7
F498	Proficiency of Nurse Aides	3.1	3.4	4.0	4.0	4.1	5.0	5.2
F499	Qualified Professionals	0.2	0.2	0.2	0.3	0.4	0.4	0.6
F500	Outside Services	1.4	1.6	1.5	1.0	0.9	1.1	1.3
F501	Medical Director	0.6	0.7	0.7	0.6	0.4	0.7	1.4
DEFICIENCY GROUP=LABORATORY SERVICES								
FTAG	DESCRIPTION	2000	2001	2002	2003	2004	2005	2006
F502	High Quality, Timely Services	2.3	3.2	4.2	4.1	4.6	5.5	6.4
F503	Meets Lab Standards	0.3	0.4	0.3	0.3	0.2	0.1	0.1
F504	Services Ordered by a Physician	0.2	0.3	0.5	0.5	0.6	0.6	0.8
F505	Notifys Physicians	0.7	1.1	1.2	1.1	1.2	1.3	1.4
F507	Clinical Records	0.1	0.2	0.2	0.3	0.3	0.4	0.5
F508	Radiology and Other Services	0.2	0.3	0.2	0.3	0.4	0.4	0.4
F511	Radiology Notification of Physician	0.0	0.1	0.1	0.1	0.1	0.1	0.1
F513	Records Signed and Dated	0.1	0.1	0.1	0.1	0.1	0.1	0.1
DEFICIENCY GROUP=OTHER ACTIVITIES								
FTAG	DESCRIPTION	2000	2001	2002	2003	2004	2005	2006
F514	Clinical Records	10.9	12.7	12.6	13.3	13.4	14.8	18.6
F516	Records Safeguarded	0.6	0.8	0.7	0.7	0.7	0.9	0.8
F517	Plans for Emergency	0.6	0.9	0.9	0.9	1.0	0.9	1.4
F518	Emergency Training	2.7	2.5	2.6	2.7	2.9	3.0	3.3
F519	Transfer Agreement	0.0	0.0	0.0	0.0	0.0	0.0	0.1
F520	Quality Assurance Committee	1.1	1.2	1.4	0.9	0.9	2.9	3.5
F521	Quality Assurance Activities	2.2	2.2	2.0	2.0	1.6	1.0	0.0
F522	Disclosure of Ownership	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SUMMARY

In summary, this report has provided information on nursing facilities in the states. The data are from the federal OSCAR system which provides comprehensive information about facility characteristics, resident characteristics and services provided, staffing, and deficiencies from federal surveys. The federal survey findings can be expected to change over time as policies are implemented to encourage

improvements in the quality of nursing care.

This is one of the few reports which has been able to provide historical data on nursing facilities. The overall trend lines are fairly stable over time for most of the items. Thus, these data provide an opportunity to examine quality issues and deficiency patterns over time.

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TECHNICAL NOTES

Data Sources

The OSCAR system includes data for all certified nursing homes in the U.S. The data are collected in three separate sets of files: (1) provider information, which include facility characteristics and staffing data; (2) health survey file (with facility-level summary information regarding resident characteristics); and the (3) survey deficiencies. OSCAR is an on-line data system from the Health Care Financing Administration (HCFA). The OSCAR data for this report included the most recent surveys for all facilities for the period of 1997-2003. These data were available on several sets of tapes.

All nursing facilities federally certified for Medicare (skilled nursing care) and Medicaid (nursing facilities) and surveyed during the calendar year were included (about 15,100 facilities) in these data. Intermediate care facilities for the mentally retarded (ICF-MR) were excluded because they use different federal certification forms and have different standards of care. Facilities located in the trust territories and Puerto Rico were excluded.

Data Cleaning and Duplicate Records

In preparing the data for this report, discussions were held with HCFA officials as necessary to discuss data acquisition, formatting, and cleaning issues. Frequency distributions were developed for all the indicators on the data set and a series of cleaning activities undertaken.

The first step in cleaning was to eliminate any duplicate provider records. Duplicate records were considered generally to be the result of changes in certification for Medicare and Medicaid (Title 18/19) facilities or Medicare only (Title 18) facilities. Since 1990, because of OBRA 1987 legislation, Medicaid only (Title 19) SNF and ICF facilities are certified together as nursing facilities (NFs). With this change, some problems with duplicate SNF and ICF reporting were essentially eliminated.

To correct the duplicate problems, we identified all those facilities showing identical values for the following areas: state, city, facility name, and facility address. Where duplicate records were identified, a decision-making procedure was invoked as follows:

- (1) The most recent record within a calendar year was selected over earlier records; and
- (2) A record reporting a category of either: (01) skilled nursing facility (SNF) -- Medicare participation; (02) nursing facility (NF) -- Medicaid participation; or (03) SNF/ICF -- Medicare/Medicaid participation was selected over facilities reporting as (10) hospital based.

For those remaining facilities with the same name and/or address, data on telephone numbers and survey data were then examined. Where there appeared to be two facilities at one site with different data, neither facility was eliminated. This overall process resulted in dropping 30 facilities in 1994, 73 facilities in 1995, 91 facilities in 1996, 127 facilities in 1999, 167 facilities in 2000, 89 facilities in 2001, and 65 facilities in 2002. In 2006, 74 facilities were dropped because of reporting errors or duplicating.

Data Errors

The data were examined for missing values and gross errors. Means and standard deviations of the data were computed and examined. Logic checks confirming the reasonableness of data were conducted. Preliminary work identified some missing data and errors, primarily in reporting the beds, staffing and the number of residents. Each problem area, and the cleaning procedures, are discussed below.

Total Number of Beds

During the preliminary work, the total number of beds in each state reported on OSCAR was compared to the total licensed bed supply for each state from an independent survey of states (DuNah et al. 1994). The total number of beds reported by facilities was significantly higher than the total licensed beds in the U.S. An analysis of this discrepancy found that some hospital-based facilities had reported the total number of acute care beds rather than the total number of skilled nursing beds for their facility. To correct this error, the maximum number of beds for a hospital-based facility was set to equal the maximum number of certified skilled nursing beds in the facility. Thus, this process made the total certified nursing facility beds more comparable to the total state licensed nursing facility beds in each state.

Total Number of Residents

Several problems concerning resident data were detected. First, some facilities had missing data for their total number of residents. These facilities were left in the data set, but where resident data were not available, these facilities were not included in the tables report.

Second, some facilities reported extremely low numbers of residents. In order to identify facilities with possible errors in reporting residents, occupancy rates were computed for all nursing facilities. Free-standing (non-hospital based) facilities reporting 50 or less residents than total beds were considered to have erroneous data and were eliminated from the staffing and resident characteristics' analysis.

Third, some facilities reported more residents than beds, suggesting more than 100 percent occupancy. Hospital-based facilities may have had approval for swing beds which would allow the hospital to use an acute care bed for a nursing home resident. Therefore, hospital-based facilities with more residents than beds were left in the data set, but the maximum occupancy rate for such facilities was reported to be 100 percent. Finally, facilities with numbers of residents reported at greater than 100 percent of total beds, which were not hospital-based, were dropped from the analysis.

Staffing Data

Frequencies for hours of staffing per resident day were examined separately for Medicaid only facilities and for Medicare only and/or dually certified facilities. The total number of hours of staff reported in a two week period was divided by the total number of residents and by the 14 days in the reporting period.

There were a number of problems identified with the facility staffing data. Some facilities reported extremely high staff hours per resident day while others reported no registered nurses or no nursing staff hours. Where a facility reported nurse staffing hours per resident day which did not fall within a reasonable range, the data for that item were be considered invalid. The following uniform decision-making rules were created for eliminating facility staffing data which clearly appeared to be too high or too low:

First, facilities with average nursing hours per resident day that were greater than 24 hours of nursing per resident were considered erroneous and eliminated from the analysis. Distributions of the nursing hours per resident were then examined.

To correct further for staffing levels that were unreasonably high, facilities reporting staffing hours per resident day in the upper 2 percent by type of facility (separately for Medicaid only and for Medicare only/dually certified) and by type of staff (RN, LVN/LPN, and nursing assistants) were eliminated from the staffing analysis.

Facilities reporting extremely low staffing hours per resident day were identified. Since some Title 19 facilities and Title 18/19 facilities were given HCFA waivers from the staffing requirements, these facilities may have few or no RN staff.

Since all facilities are required to have some licensed nurses, nursing facilities with no licensed staff (RNs and/or LVN/LPNs) and/or no nursing staff were eliminated from these analyses. In addition, facilities with computed staffing levels in the lower 1 percent range for licensed or combined nursing personnel for each type of facility (separately for Medicaid only and for Medicare only and/or dually certified) were removed from the staffing report because some of these may have been erroneous.

Other reporting errors in staffing data may occur. For example, facility errors in the reporting of time periods may have occurred or rounding errors may have occurred. These types of errors cannot be detected in the data set. Thus, because further accuracy checks could not be conducted, only the high and low outlier facilities were removed from the tables on staff.

RNs, LPN/LVNs, and Aides are presented separately. Total licensed nurses are also presented; these include RNs and LPN/LVNs added together. Total combined nursing personnel are included as combined RNs, LPN/LVNs, and nursing aide hours.