

TENNESSEE

Nursing Home Trends

JANUARY 2014

Data used to compile Tennessee Nursing Home Trends was obtained from summary tabulations of the Joint Annual Report of Nursing Homes. Individual reports are completed each year by the licensed nursing homes in Tennessee and returned to the Office of Health Statistics for compilation and review. While the compiled information of all licensed nursing homes is quite detailed, data summarized for this report focuses on trends and changes in Tennessee nursing homes for the period 2002-2011.

- As Tennessee's older adult population increases, the need for nursing home and other means of caring for the elderly has become an important issue.
- In 2011, 13.7 percent of Tennessee's population was 65 years and older.
- The 2011 estimated population 65 and older (879,581) increased 3.1 percent over the State's 2010 population (853,462) and 25.1 percent over the 2000 population for this age group.
- Joint Annual Reports of Nursing Homes were returned by 323 of the 324 nursing homes operating in Tennessee during the 2011 reporting period.
- Beginning in 2004, the two federal nursing homes, located in Tennessee, were excluded from the nursing home data reports.
- The absence of data from the non-reporting facilities will lower bed counts and utilization statistics on the current data.

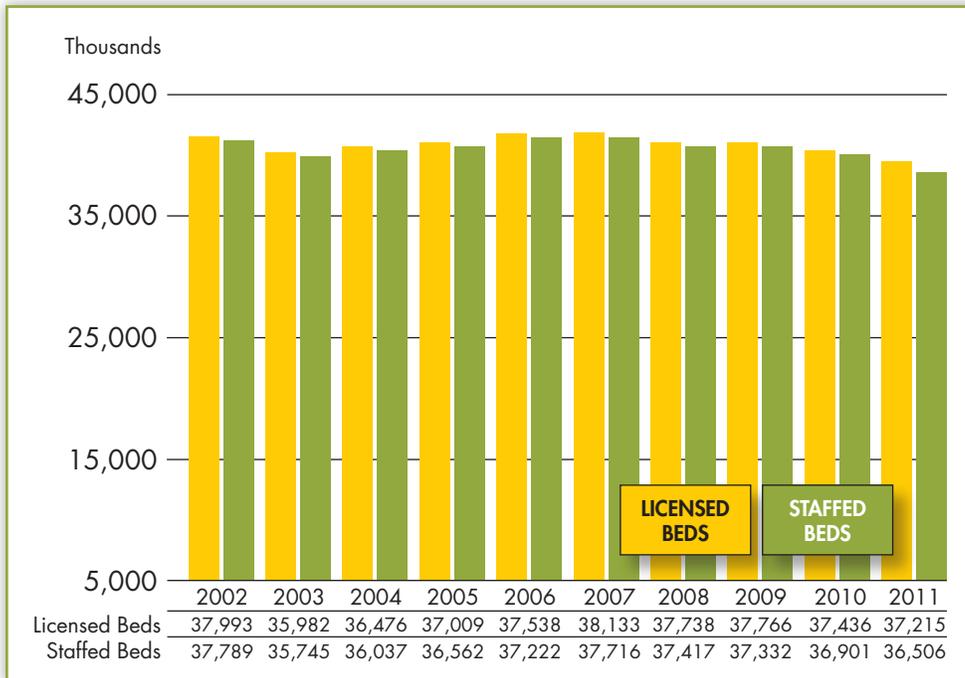
NUMBER OF NURSING HOMES BY TYPE OF OWNERSHIP, Tennessee, 2002-2011

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
TOTAL	340*	345*	338*	334*	335*	331*	330*	329*	325*	324*
Non-profit	62	70	68	64	69	65	67	63	60	56
Church related	20	36	40	35	35	38	24	22	19	17
Corporation/Association	42	30	24	25	29	23	36	34	32	30
Other Non-profit	-	-	-	-	-	-	-	-	-	-
Limited Liability Company	-	4	4	4	5	4	7	7	9	9
For-Profit	242	221	226	226	234	224	234	240	240	245
Individual	-	4	3	5	5	1	1	1	1	1
Partnership	6	4	4	6	3	2	1	1	1	1
Corporation/Association	147	109	118	108	105	105	91	88	88	88
Limited Partnership	30	33	28	25	27	19	23	20	21	17
Limited Liability Partnership	2	4	4	7	4	7	8	7	11	9
Limited Liability Corporation	57	67	69	75	90	90	110	123	118	129
Government	35	33	28	26	26	25	26	23	22	22
State	2	3	3	2	2	3	3	3	3	3
County	22	23	19	19	18	18	19	17	17	17
City	-	-	-	-	1	1	1	1	1	1
City-County	-	-	-	-	-	-	-	-	-	-
Hospital District	-	-	-	-	-	-	-	-	-	-
Veterans Administration	1	-	-	-	-	-	-	-	-	-
Other Government Agency	10	7	6	5	5	3	3	2	1	1

*Total includes nursing homes that may not have submitted a report.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment, Office of Health Statistics

NUMBER OF LICENSED AND STAFFED BEDS TENNESSEE NURSING HOMES, 2002 - 2011



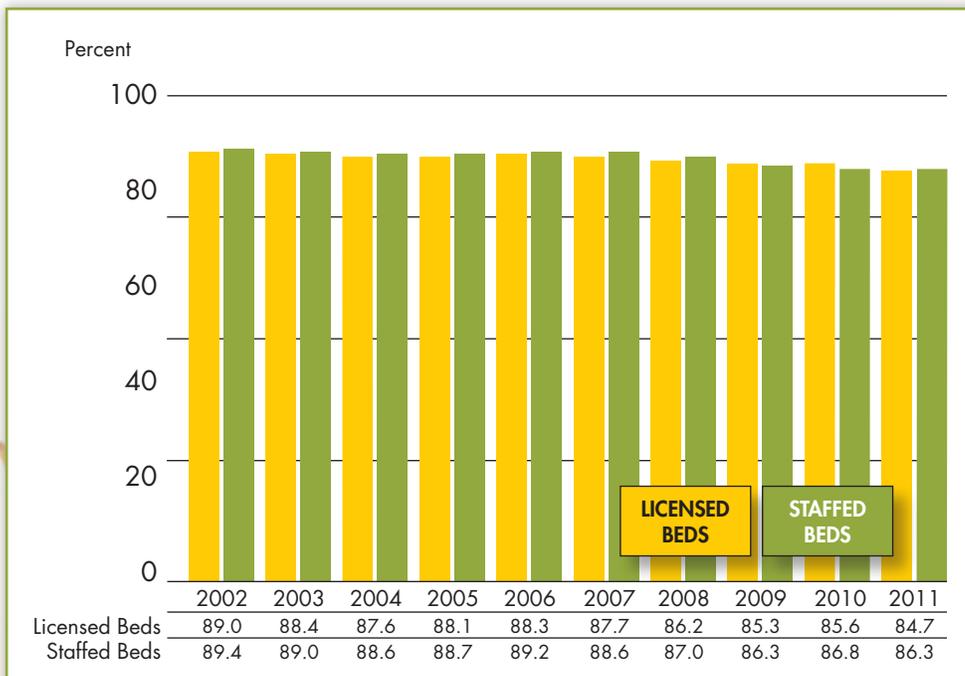
- In 2011, there were 37,215 licensed beds and 36,506 staffed beds reported for Tennessee nursing homes.
- For the 10-year period 2002-2011 the number of licensed and staffed beds overall remained fairly constant.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment, Office of Health Statistics

Licensed beds - The maximum number of beds authorized by the state licensing agency or regulated by a federal agency.

Staffed beds - The total number of beds set up, staffed, and in use at the end of the reporting period. This number should be less than or equal to the number of licensed beds.

PERCENT OCCUPANCY FOR LICENSED AND STAFFED BEDS TENNESSEE NURSING HOMES, 2002 - 2011



- Percent occupancy is computed as the number of patient days of care divided by the number of bed days open for licensed or staffed beds, multiplied by 100. For the 10-year period 2002 through 2011, the percent occupancy for licensed and staffed beds fluctuated but generally declined.
- In 2011, the licensed occupancy was 84.7 percent and the staffed occupancy was 86.3 percent.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment, Office of Health Statistics

NURSING HOME ADMISSIONS, DISCHARGES, AND DISCHARGE PATIENT DAYS, TENNESSEE, 2002 - 2011

Year	Admissions	Discharges Including Deaths	Discharge Patient Days
2011	94,334	94,486	12,581,908
2010	92,912	92,727	12,507,529
2009	113,131	90,141	12,190,715
2008	89,263	88,345	12,838,433
2007	81,397	79,073	11,280,004
2006	79,512	76,862	12,191,583
2005	77,932	76,558	12,625,789
2004	74,468	72,181	12,644,002
2003	69,488	75,567	11,049,876
2002	67,932	66,858	11,615,772

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment, Office of Health Statistics

- Admissions are the number of patients admitted to a facility during the reporting period, and discharges are the number of patients discharged plus all deaths.
- Nursing home admissions increased 1.5 percent from 92,912 in 2010 to 94,334 in 2011, while the reported number of discharges increased 1.9 percent from 92,727 to 94,486 over the same period.
- Discharge patient days are the total number of days of care rendered to patients discharged during the reporting period (including days of care rendered prior to the beginning of the reporting period).
- From 2010 to 2011, the reported number of discharge patient days increased 0.6 percent.

AVERAGE DAILY CENSUS, AVERAGE LENGTH OF STAY, AND RATE OF PATIENT TURNOVER, TENNESSEE, 2002 - 2011

Year	Average Daily Census	Average Length of Stay	Rate of Patient Turnover
2011	31,515	133	2.60
2010	32,035	135	2.50
2009	31,710	135	3.00
2008	32,544	145	2.40
2007	32,778	143	2.20
2006	33,402	159	2.14
2005	34,591	165	2.13
2004	34,641	175	2.07
2003	30,274	146	1.94
2002	33,227	179	1.82

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment, Office of Health Statistics

- The average daily census is calculated as the number of patient days of care divided by the number of days in the calendar year.
- The average length of stay is calculated as the number of discharge patient days divided by the number of discharges.
- The rate of patient turnover is the number of admissions divided by the number of staffed beds.
- From 2010 to 2011, the average daily census and average length of stay both decreased, while the rate of patient turnover increased.

NUMBER OF NURSING HOME PATIENTS BY GENDER AND AGE, TENNESSEE, 2002 - 2011

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Total	33,697	32,839	33,255	33,113	33,495	33,427	37,191	36,774	32,583	40,757
Male	9,327	9,034	9,467	9,395	9,424	9,365	11,199	11,081	9,719	12,864
Female	24,370	23,805	23,788	23,718	24,071	24,062	25,992	25,693	22,864	27,893
Age group										
under 60	2,557	2,584	2,637	2,814	2,666	2,684	3,230	3,133	2,766	3,742
60-64	1,242	1,270	1,388	1,453	1,577	1,490	1,760	1,878	1,711	2,316
65-69	1,913	1,847	2,026	2,048	2,076	2,118	2,618	2,712	2,348	3,195
70-74	3,023	2,966	2,976	3,001	3,069	3,029	3,658	3,477	3,078	4,243
75-79	4,932	4,670	4,750	4,566	4,541	4,547	5,083	4,960	4,292	5,508
80-84	6,670	6,574	6,648	6,558	6,519	6,446	7,018	6,785	5,858	7,275
85-89	6,723	6,531	6,458	6,496	6,713	6,842	7,324	7,198	6,387	7,455
90-94	4,578	4,440	4,371	4,280	4,370	4,312	4,486	4,612	4,171	4,939
95-99	1,700	1,610	1,633	1,585	1,633	1,637	1,680	1,667	1,633	1,759
100+	330	347	368	312	331	322	334	352	339	325

Totals may include patients with age unknown.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment, Office of Health Statistics

- Patient census data is reported for December 31 of each indicated year.
- The number of nursing home patients is given by 5-year age group, as well as by gender.

During the time period of 2002-2011, the number of admissions to Tennessee nursing homes increased 38.9 percent, while the number of discharges increased 41.3 percent. This is much greater than what any increase in elderly population would indicate. At the same time, the average length of stay dropped by 25.7 percent, while the rate of patient turnover increased by 42.9 percent, and the average daily census decreased by 5.2 percent. **This indicates that nursing home services in Tennessee are now being used by more persons for shorter episodes of care.**

Many persons are now entering nursing homes for convalescence,

then are leaving for home or other settings. **This can be attributed to the fact that more hospitals are discharging patients, especially the elderly patients, to the less medically intense nursing home setting for a longer recuperation period after initial acute care treatment.** In fact, some hospitals have converted excess bed capacity into skilled nursing or rehabilitation unit beds. **The situation is further reflected in hospital statistics which have shown a decrease in the average length of stay over this same time frame.**

Percent occupancy for Tennessee nursing homes remained high throughout the 2002-2011 time period, fluctuating between 85 to 89

percent. High occupancy is typical for the nursing home industry and appears to be invariant with changes occurring in resource capacity.

The Department of Health will continue to collect nursing home data through its Joint Annual Report of Nursing Homes. This data and those from other reports will be monitored as changes in the delivery of health care in Tennessee evolve. More detailed utilization statistics and data on individual nursing homes are publicly available through the Office of Health Statistics or visit our website at the address indicated below.

POPULATION AGED 65 AND OLDER

2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
718,615	727,992	737,186	752,718	769,105	783,350	798,244	813,702	853,462	879,581

NOTE: Tennessee population estimates for 2002-2009 used to calculate the rates in this report were based on estimates and projections prepared from the 2000 census data by the Office of Health Statistics revised in February 2008. The population estimates for 2010 were based on the 2010 Census data. Population estimates for 2011 were interpolated from the Census five-year age cohort estimates (CC-EST2011-ALLDATA-[ST-FIPS] May 2012) by the Office of Health Statistics in October 2012. These population figures may result in rates that differ from or may be somewhat disjointed from those rates previously published.

Please visit the Tennessee Department of Health website:
tennessee.gov/health



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Tennessee Nursing Home Trends was published by the Tennessee Department of Health
 Division of Policy, Planning and Assessment
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 Andrew Johnson Tower, 2nd floor
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Tennessee Department of Health, Authorization No. 343152, (01-14). Website only.