

Table XXXIII. Standard errors of nursing home residents by primary diagnosis at admission and at time of interview: United States, 2004

Diagnosis and ICD-9-CM code ¹	At admission		At time of interview	
	Number	Percent	Number	Percent
All residents	11,168	...	11,168	...
Infectious and parasitic diseases001-139	1,895	0.1	1,413	0.1
Neoplasms140-239	2,175	0.1	2,359	0.2
Malignant neoplasms140-208, 230-234	2,044	0.1	2,234	0.1
Endocrine, nutritional, and metabolic diseases and immunity disorders240-279	3,737	0.2	4,693	0.3
Diabetes mellitus250	3,244	0.2	4,244	0.3
Diseases of the blood and blood-forming groups280-289	1,146	0.1	1,562	0.1
Anemias280-285	1,099	0.1	1,543	0.1
Mental disorders290-319	7,927	0.5	8,778	0.6
Senile dementia or organic brain syndrome290,310	2,090	0.1	2,459	0.2
Mental retardation317-319	1,298	0.1	1,322	0.1
Other mental disorders291-309, 311-316	7,468	0.5	8,383	0.5
Diseases of the nervous system and sense organs320-389	6,766	0.4	7,507	0.5
Alzheimer's disease331.0	5,715	0.4	6,357	0.4
Parkinson's disease332	2,069	0.1	2,374	0.2
Multiple sclerosis340	1,618	0.1	1,451	0.1
Paralytic syndromes342-344	1,790	0.1	1,929	0.1
Other diseases of the nervous system and sense organs320-330, 331.1-331.9, 333-337, 341, 345-389	1,774	0.1	1,759	0.1
Diseases of the circulatory system390-459	7,648	0.5	8,427	0.5
Essential hypertension401	3,688	0.2	4,605	0.3
Heart disease391-392.0, 393-398, 402, 404, 410-416, 420-429	4,293	0.3	4,739	0.3
Coronary atherosclerosis414.0	*866	*0.1	1,265	0.1
Cardiac dysrhythmias428.0	1,619	0.1	1,959	0.1
Congestive heart failure428	3,161	0.2	3,265	0.2
Other heart disease391-392.0, 393-398, 415-416, 420-426, 428.1-429	1,422	0.1	1,354	0.1
Acute, but ill-defined, cerebrovascular disease436	3,785	0.3	3,698	0.2
Other diseases of the circulatory system390, 392.9, 403, 405, 417, 440-459	1,762	0.1	1,816	0.1
Diseases of the respiratory system460-519	4,266	0.3	3,495	0.2
Pneumonia, all forms480-486	2,592	0.2	1,347	0.1
Chronic obstructive pulmonary disease and allied conditions490-496	2,646	0.2	2,942	0.2
Other diseases of the respiratory system460-478, 487, 500-519	2,023	0.1	1,427	0.1
Diseases of the digestive system520-579	2,944	0.2	2,208	0.1
Diseases of the genitourinary system580-629	3,005	0.2	2,521	0.2
Urinary tract infection580-583, 590, 595, 597, 599.0	2,228	0.1	1,365	0.1
Diseases of the skin and subcutaneous tissue680-709	1,867	0.1	1,472	0.1
Decubitus ulcer707.0	*1,036	*0.1	*844	*0.1
Diseases of the musculoskeletal system and connective tissue710-739	3,291	0.2	3,659	0.2
Rheumatoid arthritis, except spine714	*784	*0.1	*958	*0.1
Osteoarthritis and allied disorders, except spine715	1,826	0.1	2,127	0.1
Other arthropathies and related disorders710-713, 716-719	1,246	0.1	1,336	0.1
Osteoporosis733.0	1,106	0.1	1,769	0.1
Symptoms, signs, and ill-defined conditions780-799	4,138	0.3	3,246	0.2
Injury and poisoning ²800-999	1,991	0.1	3,241	0.2
Supplementary classification ²V01-V82	5,218	0.3	1,708	0.1
Posthospital aftercareV42-46, V52, V53.3-V53.7, V54-58	5,035	0.3	1,222	0.1

... Category not applicable.

* The standard error is not reported when the sample size for the estimate is less than 30, which does not meet the standard of reliability or precision. Standard errors accompanied by an asterisk (*) indicate that the sample size is between 30 and 59, or the ratio of the standard error to the reported estimate is 30 percent or more.

¹Based on the *International Classification of Diseases, 9th Revision, Clinical Modification*.

²For data years 1995-1999 of the National Nursing Home Survey (NNHS), the Injury and Poisoning Chapter of the ICD-9-CM classified fractures in 800 codes as a primary diagnostic condition. Effective October 1999, New Long Term Care coding guidelines were issued by the Cooperating Parties of Coding Clinic for ICD-9-CM. The guidelines clearly define the assignment of the resident's reason for being admitted to LTC facilities. As a result, fractures are now classified in the Supplementary Classification Chapter in V Codes as post-hospital aftercare.

Table XXXIV. Standard errors of nursing home residents by primary diagnosis at admission by age, sex, and race: United States, 2004

Diagnosis and ICD-9-CM code ¹	Age ¹									
	All residents	Under 65 years	65 years and older				Sex		Race	
			Total	65-74 years	75-84 years	85 years and older	Male	Female	White	Black
All residents	11,168	7,388	12,926	5,259	8,242	11,976	9,041	12,095	15,298	11,016
Infectious and parasitic diseases001-139	1,895	*985	1,504	*	*914	*925	*1,216	1,228	1,653	*
Neoplasms140-239	2,175	*884	2,044	*717	1,334	1,414	1,343	1,648	2,049	*755
Malignant neoplasms140-208, 230-234	2,044	*770	1,937	*714	1,265	1,323	1,286	1,548	1,921	*
Endocrine, nutritional, and metabolic diseases and immunity disorders.240-279	3,737	1,186	3,427	1,435	2,223	2,107	1,857	3,070	3,225	1,735
Diabetes mellitus250	3,244	1,093	2,910	1,317	1,926	1,574	1,704	2,521	2,715	1,564
Diseases of the blood and blood-forming groups280-289	1,146	*	1,087	*	*	914	*	951	1,049	*
Anemias280-285	1,099	*	1,037	*	*	*862	*	*915	1,010	*
Mental disorders290-319	7,927	3,377	6,875	2,386	3,628	4,575	4,202	6,251	7,177	2,990
Senile dementia or organic brain syndrome290,310	2,090	*	1,914	*	*870	1,386	*945	1,770	1,845	*
Mental retardation317-319	1,298	*912	*872	*	*	*	*891	880	1,170	*
Other mental disorders291-309, 311-316	7,468	3,133	6,502	2,254	3,467	4,344	3,910	5,908	6,717	2,819
Diseases of the nervous system and sense organs.320-389	6,766	2,495	6,418	1,736	3,757	4,087	3,444	5,546	6,558	1,993
Alzheimer's disease331.0	5,715	*	5,710	1,210	3,334	3,514	2,490	4,691	5,567	1,277
Parkinson's disease332	2,069	*	2,012	*690	1,397	1,158	1,294	1,590	2,047	*
Multiple sclerosis340	1,618	1,232	*895	*695	*	*	*869	1,264	1,562	*
Paralytic syndromes342-344	1,790	1,375	1,120	*	*620	*	1,317	1,170	1,399	*905
Other diseases of the nervous system and sense organs .320-330, 331.1-331.9, 333-337, 341, 345-389	1,774	1,125	1,399	*	*772	*1,076	1,117	1,452	1,636	*
Diseases of the circulatory system390-459	7,648	2,287	7,511	2,736	4,088	5,490	4,303	6,596	7,003	4,531
Essential hypertension401	3,688	*816	3,576	*1,002	1,607	2,673	1,554	3,181	2,848	2,151
Heart disease391-392.0, 393-398, 402, 404, 410-416, 420-429	4,293	*821	4,301	1,193	2,310	3,349	2,166	3,826	4,118	1,506
Coronary atherosclerosis414.0	*866	*	*863	*	*	*667	*	*722	*853	*
Cardiac dysrhythmias427	1,619	*	1,617	*	*892	1,270	*726	1,413	1,492	*
Congestive heart failure428.0	3,161	*	3,151	*881	1,579	2,531	1,448	2,839	2,960	*1,183
Other heart disease .391-392.0, 393-398, 415-416, 420-426, 428.1-4291,422	*	1,363	*	*827	947	*	1,233	1,395	*	
Acute, but ill-defined, cerebrovascular disease436	3,785	1,245	3,595	1,448	2,050	2,488	2,114	3,140	3,370	1,811
Other diseases of the circulatory system.390, 392.9, 403, 405, 417, 440-459	1,762	*	1,705	*	1,090	1,111	*1,026	1,482	1,587	*875
Diseases of the respiratory system460-519	4,266	1,499	3,988	1,683	2,277	2,652	2,223	3,546	3,955	1,474
Pneumonia, all forms480-486	2,592	*	2,555	*867	1,281	1,961	1,310	2,145	2,442	*
Chronic obstructive pulmonary disease and allied conditions490-496	2,646	*745	2,552	1,203	1,631	1,504	1,339	2,318	2,499	*
Other diseases of the respiratory system460-478, 487, 500-519	2,023	*1,158	1,584	*804	*943	*971	1,082	1,532	1,696	*
Diseases of the digestive system520-579	2,944	*1,065	2,653	*923	1,523	1,794	1,630	2,297	2,704	*1,022
Diseases of the genitourinary system580-629	3,005	*1,105	2,773	1,190	1,552	1,992	1,750	2,393	2,657	*1,181
Urinary tract infection580-583, 590, 595, 597, 599.0	2,228	*	2,105	*748	1,018	1,663	*1,133	1,909	2,027	*
Diseases of the skin and subcutaneous tissue.680-709	1,867	*719	1,661	*	1,003	1,241	*855	1,585	1,750	*
Decubitus ulcer707.0	*1,036	*	*911	*	*	*	*	*985	*958	*
Diseases of the musculoskeletal system and connective tissue710-739	3,291	*793	3,228	885	1,794	2,610	1,444	2,953	3,164	*1,042
Rheumatoid arthritis, except spine714	*784	*	*761	*	*	*	*	*755	*754	*
Osteoarthritis and allied disorders, except spine715	1,826	*	1,810	*	*819	1,446	*710	1,647	1,689	*
Other arthropathies and related disorders710-713, 716-719	1,246	*	1,165	*	*721	856	*668	1,042	1,167	*
Osteoporosis733.0	1,106	*	1,079	*	*	*980	*	1,059	1,044	*
Symptoms, signs, and ill-defined conditions780-799	4,138	1,425	3,868	1,274	2,203	2,551	2,064	3,393	3,764	1,797
Injury and poisoning ⁴800-999	1,991	1,281	1,536	*	*792	*946	1,206	1,419	1,797	*
Supplementary classification ⁴V01-V82	5,218	1,228	5,031	1,366	2,562	3,945	2,210	4,552	5,057	*1,148
Posthospital aftercareV42-46, V52, V53.3-V53.7, V54-58	5,035	*1,081	4,875	1,200	2,462	3,858	2,063	4,403	4,903	*1,030

. . . Category not applicable.

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¹Age at time of admission.

²Other race not shown because diagnoses estimates do not meet standard of reliability.

³Based on the *International Classification of Diseases, 9th Revision, Clinical Modification*.

⁴For data years 1995–1999 of the National Nursing Home Survey (NNHS), the Injury and Poisoning Chapter of the ICD–9–CM classified fractures in 800 codes as a primary diagnostic condition. Effective October 1999, New Long Term Care coding guidelines were issued by the Cooperating Parties of Coding Clinic for ICD–9–CM. The guidelines clearly define the assignment of the resident's reason for being admitted to LTC facilities. As a result, fractures are now classified in the Supplementary Classification Chapter in V Codes as posthospital aftercare.

Table XXXV. Percent of nursing home residents by primary diagnosis at admission by age, sex, and race: United States, 2004

Diagnosis and ICD-9-CM code ¹	All residents	Age ¹					Sex		Race	
		Under 65 years	65 years and older			Male	Female	White	Black	
			Total	65-74 years	75-84 years					85 years and older
Infectious and parasitic diseases001-139	0.1	*0.5	0.1	*	*0.2	*0.1	*0.3	0.1	0.1	*
Neoplasms140-239	0.1	*0.5	0.2	*0.4	0.3	0.2	0.3	0.2	0.2	*0.4
Malignant neoplasms140-208, 230-234	0.1	*0.4	0.1	*0.4	0.3	0.2	0.3	0.1	0.1	*
Endocrine, nutritional, and metabolic diseases and immunity disorders.240-279	0.2	0.7	0.3	0.8	0.5	0.3	0.4	0.3	0.2	0.8
Diabetes mellitus250	0.2	0.6	0.2	0.7	0.4	0.2	0.4	0.2	0.2	0.8
Diseases of the blood and blood-forming groups280-289	0.1	*	0.1	*	*	0.1	*	0.1	0.1	*
Anemias.280-285	0.1	*	0.1	*	*	*0.1	*	*0.1	0.1	*
Mental disorders290-319	0.5	1.6	0.5	1.3	0.7	0.6	0.9	0.6	0.5	1.3
Senile dementia or organic brain syndrome290,310	0.1	*	0.1	*	*0.2	0.2	*0.2	0.2	0.1	*
Mental retardation317-319	0.1	*0.5	*0.1	*	*	*	*0.2	0.1	0.1	*
Other mental disorders291-309, 311-316	0.5	1.6	0.5	1.2	0.7	0.6	0.8	0.5	0.5	1.3
Diseases of the nervous system and sense organs.320-389	0.4	1.3	0.5	1.0	0.7	0.6	0.7	0.5	0.5	0.9
Alzheimer's disease331.0	0.4	*	0.4	0.7	0.7	0.5	0.6	0.4	0.4	0.6
Parkinson's disease.332	0.1	*	0.2	*0.4	0.3	0.2	0.3	0.1	0.2	*
Multiple sclerosis340	0.1	0.7	*0.1	*0.4	*	*	*0.2	0.1	0.1	*
Paralytic syndromes342-344	0.1	0.7	0.1	*	*0.1	*	0.3	0.1	0.1	*0.5
Other diseases of the nervous system and sense organs320-330, 331.1-331.9, 333-337, 341, 345-389	0.1	0.6	0.1	*	*0.2	*0.2	0.3	0.1	0.1	*
Diseases of the circulatory system390-459	0.5	1.2	0.5	1.4	0.8	0.7	0.9	0.6	0.5	1.5
Essential hypertension401	0.2	*0.5	0.3	*0.6	0.3	0.4	0.4	0.3	0.2	1.0
Heart disease391-392.0, 393-398, 402, 404, 410-416, 420-429	0.3	*0.5	0.3	0.7	0.5	0.5	0.5	0.3	0.3	0.7
Coronary atherosclerosis414.0	*0.1	*	*0.1	*	*	*0.1	*	*0.1	*0.1	*
Cardiac dysrhythmias427	0.1	*	0.1	*	*0.2	0.2	*0.2	0.1	0.1	*
Congestive heart failure.428.0	0.2	*	0.2	*0.5	0.3	0.4	0.3	0.3	0.2	*0.6
Other heart disease391-392.0, 393-398, 415-416, 420-426, 428.1-429	0.1	*	0.1	*	*0.2	0.1	*	0.1	0.1	*
Acute, but ill-defined, cerebrovascular disease436	0.3	0.7	0.3	0.8	0.4	0.4	0.5	0.3	0.3	0.9
Other diseases of the circulatory system.390, 392.9, 403, 405, 417, 440-459	0.1	*	0.1	*	0.2	0.2	*0.2	0.1	0.1	*0.4
Diseases of the respiratory system.460-519	0.3	0.8	0.3	0.9	0.5	0.4	0.5	0.3	0.3	0.8
Pneumonia, all forms.480-486	0.2	*	0.2	*0.5	0.3	0.3	0.3	0.2	0.2	*
Chronic obstructive pulmonary disease and allied conditions490-496	0.2	*0.4	0.2	0.7	0.3	0.2	0.3	0.2	0.2	*
Other diseases of the respiratory system460-478, 487, 500-519	0.1	*0.6	0.1	*0.5	*0.2	*0.1	0.2	0.1	0.1	*
Diseases of the digestive system.520-579	0.2	*0.6	0.2	*0.5	0.3	0.3	0.4	0.2	0.2	*0.5
Diseases of the genitourinary system580-629	0.2	*0.6	0.2	0.7	0.3	0.3	0.4	0.2	0.2	*0.6
Urinary tract infection.580-583, 590, 595, 597, 599.0	0.1	*	0.2	*0.4	0.2	0.2	*0.3	0.2	0.2	*
Diseases of the skin and subcutaneous tissue.680-709	0.1	*0.4	0.1	*	0.2	0.2	*0.2	0.1	0.1	*
Decubitus ulcer707.0	*0.1	*	*0.1	*	*	*	*	*0.1	*0.1	*
Diseases of the musculoskeletal system and connective tissue710-739	0.2	*0.4	0.2	0.5	0.4	0.4	0.3	0.3	0.2	*0.5
Rheumatoid arthritis, except spine714	*0.1	*	*0.1	*	*	*	*	*0.1	*0.1	*
Osteoarthritis and allied disorders, except spine715	0.1	*	0.1	*	*0.2	0.2	*0.2	0.2	0.1	*
Other arthropathies and related disorders710-713, 716-719	0.1	*	0.1	*	*0.2	0.1	*0.2	0.1	0.1	*
Osteoporosis.733.0	0.1	*	0.1	*	*	*0.1	*	0.1	0.1	*
Symptoms, signs, and ill-defined conditions 4780-799	0.3	0.8	0.3	0.7	0.5	0.4	0.5	0.3	0.3	0.8
Injury and poisoning 4.800-999	0.1	0.7	0.1	*	*0.2	*0.1	0.3	0.1	0.1	*
Supplementary classificationV01-V82	0.3	0.7	0.4	0.8	0.5	0.5	0.5	0.4	0.4	*0.6
Posthospital aftercare.V42-46, V52, V53.3-V53.7, V54-58	0.3	*0.6	0.4	0.7	0.5	0.5	0.5	0.4	0.4	*0.5

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¹Age at time of interview.

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⁴For data years 1995–1999 of the National Nursing Home Survey (NNHS), the Injury and Poisoning Chapter of the ICD–9–CM classified fractures in 800 codes as a primary diagnostic condition. Effective October 1999, New Long Term Care coding guidelines were issued by the Cooperating Parties of Coding Clinic for ICD–9–CM. The guidelines clearly define the assignment of the resident’s reason for being admitted to LTC facilities. As a result, fractures are now classified in the Supplementary Classification Chapter in V Codes as posthospital aftercare.

Table XXXVI. Standard errors of nursing home residents by primary diagnosis at time of interview by age, sex, and race: United States, 2004

Diagnosis and ICD-9-CM code ¹	All residents	Age ¹								
		Under 65 years	65 years and older				Sex		Race	
			Total	65-74 years	75-84 years	85 years and older	Male	Female	White	Black
All residents	11,168	7,388	12,926	5,259	8,242	11,976	9,041	12,095	15,298	11,016
Infectious and parasitic diseases 001-139	1,413	*	*998	*	*	*	*	*1,020	*1,336	*
Neoplasms 140-239	2,359	*843	2,255	*976	1,432	1,450	1,425	1,809	2,253	*
Malignant neoplasms 140-208, 230-234	2,234	*741	2,147	*863	1,375	1,380	1,403	1,684	2,139	*
Endocrine, nutritional, and metabolic diseases and immunity disorders 240-279	4,693	1,439	4,305	1,830	2,558	2,588	2,543	3,646	4,117	2,272
Diabetes mellitus 250	4,244	1,303	3,848	1,631	2,385	2,102	2,289	3,235	3,635	2,110
Diseases of the blood and blood-forming groups 280-289	1,562	*	1,520	*	*	*952	*761	1,226	1,509	*
Anemias 280-285	1,543	*	1,501	*	*	*949	*761	1,200	1,489	*
Mental disorders 290-319	8,778	3,395	8,039	2,572	4,214	5,708	4,536	7,231	8,166	3,208
Senile dementia or organic brain syndrome 290,310	2,459	*	2,305	*	*965	1,679	*1,086	2,061	2,196	*
Mental retardation 317-319	1,322	*858	973	*	*	*	*908	917	1,227	*
Other mental disorders 291-309, 311-316	8,383	3,188	7,681	2,388	4,024	5,403	4,220	6,901	7,743	3,006
Diseases of the nervous system and sense organs 320-389	7,507	2,438	7,125	1,828	3,966	4,871	3,657	6,330	7,342	2,136
Alzheimer's disease 331.0	6,357	*	6,307	1,339	3,482	4,235	2,607	5,446	6,204	1,358
Parkinson's disease 332	2,374	*	2,303	*782	1,530	1,392	1,462	1,805	2,349	*
Multiple sclerosis 340	1,451	1,227	*781	*693	*	*	*853	1,206	1,383	*
Paralytic syndromes 342-344	1,929	1,439	1,289	*644	*801	*	1,422	1,352	1,594	*915
Other diseases of the nervous system and sense organs 320-330, 331.1-331.9, 333-337, 341, 345-389	1,759	1,076	1,351	*	*749	*1050.38	1,144	1,293	1,595	*
Diseases of the circulatory system 390-459	8,427	2,341	8,218	2,702	4,488	5,985	4,562	7,115	7,890	4,617
Essential hypertension 401	4,605	*980	4,432	1,365	2,113	3,218	2,053	3,844	3,775	2,567
Heart disease 391-392.0, 393-398, 402, 404, 410-416, 420-429	4,739	*852	4,770	1,308	2,573	3,645	2,295	4,094	4,432	1,773
Coronary atherosclerosis 414.0	1,265	*	1,240	*	*	*891	*	1,143	1,142	*
Cardiac dysrhythmias 427	1,959	*	1,959	*	1,095	1,565	*955	1,698	1,859	*
Congestive heart failure 428.0	3,265	*	3,250	*843	1,758	2,502	1,386	2,926	3,061	*1,239
Other heart disease 391-392.0, 393-398, 415-416, 420-426, 428.1-429	1,354	*	1,284	*	*762	1,023	*	1,155	1,315	*
Acute, but ill-defined, cerebrovascular disease 436	3,698	1,162	3,500	1,506	1,924	2,228	1,991	2,935	3,294	1,605
Other diseases of the circulatory system 390, 392.9, 403, 405, 417, 440-459	1,816	*	1,752	*	1,071	1,358	*944	1,565	1,622	*782
Diseases of the respiratory system 460-519	3,495	1,120	3,326	1,408	1,925	2,257	1,895	3,017	3,267	*1,084
Pneumonia, all forms 480-486	1,347	*	1,298	*	*	*1,085	*801	1,026	1,272	*
Chronic obstructive pulmonary disease and allied conditions 490-496	2,942	*705	2,857	1,271	1,754	1,825	1,505	2,611	2,801	*773
Other diseases of the respiratory system 460-478, 487, 500-519	1,427	*783	1,162	*	*718	*756	*764	1,127	1,187	*
Diseases of the digestive system 520-579	2,208	*822	2,041	*860	1,180	1,326	1,263	1,715	1,828	*1,105
Diseases of the genitourinary system 580-629	2,521	1,176	2,124	*1,151	1,250	1,200	1,735	1,747	2,215	*1,001
Urinary tract infection 580-583, 590, 595, 597, 599.0	1,365	*	1,210	*	*	*866	*	1,125	1,290	*
Diseases of the skin and subcutaneous tissue 680-709	1,472	*612	1,336	*	*871	*904	*944	1,115	1,331	*
Decubitus ulcer 707.0	*844	*	*773	*	*	*	*	*644	*718	*
Diseases of the musculoskeletal system and connective tissue 710-739	3,659	*880	3,548	1,037	1,773	2,824	1,517	3,363	3,380	*1,255
Rheumatoid arthritis, except spine 714	*958	*	*853	*	*	*	*	*799	*845	*
Osteoarthritis and allied disorders, except spine 715	2,127	*	2,072	*	*899	1,691	*863	1,962	1,994	*
Other arthropathies and related disorders 710-713, 716-719	1,336	*	1,269	*	*737	927	*651	1,167	1,249	*
Osteoporosis 733.0	1,769	*	1,691	*	*752	1,361	*	1,761	1,602	*
Symptoms, signs, and ill-defined conditions 780-799	3,246	1,568	2,897	1,208	1,584	2,060	1,646	2,724	2,847	1,440
Injury and poisoning ⁴ 800-999	3,241	1,480	2,920	*721	1,461	2,171	1,716	2,640	3,129	*736
Supplementary classification ⁴V01-V82	1,708	*	1,517	*	898	988	*1,091	1,250	1,521	*
Posthospital aftercareV42-46, V52, V53.3-V53.7, V54-58	1,222	*	1,190	*	*714	*765	*572	1,015	1,145	*

. . . Category not applicable.

* The standard error is not reported when the sample size for the estimate is less than 30, which does not meet the standard of reliability or precision. Standard errors accompanied by an asterisk (*) indicate that the sample size is between 30 and 59, or the ratio of the standard error to the reported estimate is 30 percent or more.

¹Age at time of interview.

²Other race not shown because diagnoses estimates do not meet standard of reliability.

³Based on the *International Classification of Diseases, 9th Revision, Clinical Modification*.

⁴For data years 1995–1999 of the National Nursing Home Survey (NNHS), the Injury and Poisoning Chapter of the ICD–9–CM classified fractures in 800 codes as a primary diagnostic condition. Effective October 1999, New Long Term Care coding guidelines were issued by the Cooperating Parties of Coding Clinic for ICD–9–CM. The guidelines clearly define the assignment of the resident's reason for being admitted to LTC facilities. As a result, fractures are now classified in the Supplementary Classification Chapter in V Codes as posthospital aftercare.

Table XXXVII. Standard errors of nursing home residents by primary diagnosis at time of interview by age, sex, and race: United States, 2004

Diagnosis and ICD–9–CM code ¹	All residents	Age ¹					Sex		Race	
		Under 65 years	65 years and older			Male	Female	White	Black	
			Total	65–74 years	75–84 years					85 years and older
Infectious and parasitic diseases.001–139	0.1	*	*0.1	*	*	*	*	*0.1	*0.1	*
Neoplasms140–239	0.2	*0.5	0.2	*0.6	0.3	0.2	0.3	0.2	0.2	*
Malignant neoplasms140–208, 230–234	0.1	*0.4	0.2	*0.5	0.3	0.2	0.3	0.2	0.2	*
Endocrine, nutritional, and metabolic diseases and immunity disorders .240–279	0.3	0.8	0.3	1.0	0.5	0.4	0.6	0.3	0.3	1.0
Diabetes mellitus250	0.3	0.7	0.3	0.9	0.5	0.3	0.5	0.3	0.3	1.0
Diseases of the blood and blood-forming groups280–289	0.1	*	0.1	*	*	*0.1	*0.2	0.1	0.1	*
Anemias280–285	0.1	*	0.1	*	*	*0.1	*0.2	0.1	0.1	*
Mental disorders.290–319	0.6	1.6	0.6	1.3	0.8	0.7	0.9	0.6	0.6	1.4
Senile dementia or organic brain syndrome290,310	0.2	*	0.2	*	*0.2	0.2	*0.2	0.2	0.2	*
Mental retardation317–319	0.1	*0.5	0.1	*	*	*	*0.2	0.1	0.1	*
Other mental disorders291–309, 311–316	0.5	1.6	0.6	1.3	0.8	0.7	0.9	0.6	0.6	1.3
Diseases of the nervous system and sense organs320–389	0.5	1.2	0.5	1.0	0.8	0.6	0.8	0.6	0.5	1.0
Alzheimer's disease331.0	0.4	*	0.5	0.7	0.7	0.6	0.6	0.5	0.5	0.7
Parkinson's disease332	0.2	*	0.2	*0.4	0.3	0.2	0.3	0.2	0.2	*
Multiple sclerosis340	0.1	0.7	*0.1	*0.4	*	*	*0.2	0.1	0.1	*
Paralytic syndromes342–344	0.1	0.8	0.1	*0.4	*0.2	*	0.3	0.1	0.1	*0.5
Other diseases of the nervous system and sense organs.320–330, 331.1–331.9, 333–337, 341, 345–389	0.1	0.6	0.1	*	*0.2	*0.2	0.3	0.1	0.1	*
Diseases of the circulatory system.390–459	0.5	1.2	0.6	1.4	0.8	0.8	0.9	0.6	0.6	1.5
Essential hypertension.401	0.3	*0.5	0.3	0.8	0.4	0.5	0.5	0.4	0.3	1.1
Heart disease.391–392.0, 393–398, 402, 404, 410–416, 420–429	0.3	*0.5	0.3	0.7	0.5	0.5	0.5	0.4	0.3	0.8
Coronary atherosclerosis.414.0	0.1	*	0.1	*	*	*0.1	*	0.1	0.1	*
Cardiac dysrhythmias427	0.1	*	0.1	*	0.2	0.2	*0.2	0.2	0.1	*
Congestive heart failure428.0	0.2	*	0.2	*0.5	0.4	0.4	0.3	0.3	0.2	*0.6
Other heart disease391–392.0, 393–398, 415–416, 420–426, 428.1–429	0.1	*	0.1	*	*0.2	0.2	*	0.1	0.1	*
Acute, but ill-defined, cerebrovascular disease436	0.2	0.6	0.3	0.8	0.4	0.3	0.5	0.3	0.3	0.8
Other diseases of the circulatory system .390, 392.9, 403, 405, 417, 440–459	0.1	*	0.1	*	0.2	0.2	*0.2	0.1	0.1	*0.4
Diseases of the respiratory system460–519	0.2	0.6	0.2	0.8	0.4	0.3	0.4	0.3	0.2	*0.6
Pneumonia, all forms480–486	0.1	*	0.1	*	*	*0.2	*0.2	0.1	0.1	*
Chronic obstructive pulmonary disease and allied conditions490–496	0.2	*0.4	0.2	0.7	0.4	0.3	0.3	0.2	0.2	*0.4
Other diseases of the respiratory system.460–478, 487, 500–519	0.1	*0.4	0.1	*	*0.2	*0.1	*0.2	0.1	0.1	*
Diseases of the digestive system520–579	0.1	*0.5	0.2	*0.5	0.3	0.2	0.3	0.2	0.1	*0.6
Diseases of the genitourinary system580–629	0.2	0.7	0.2	*0.6	0.3	0.2	0.4	0.2	0.2	*0.5
Urinary tract infection580–583, 590, 595, 597, 599.0	0.1	*	0.1	*	*	*0.1	*	0.1	0.1	*
Diseases of the skin and subcutaneous tissue680–709	0.1	*0.3	0.1	*	*0.2	*0.1	*0.2	0.1	0.1	*
Decubitus ulcer707.0	*0.1	*	*0.1	*	*	*	*	*0.1	*0.1	*
Diseases of the musculoskeletal system and connective tissue710–739	0.2	*0.5	0.3	0.6	0.4	0.4	0.4	0.3	0.3	*0.6
Rheumatoid arthritis, except spine714	*0.1	*	*0.1	*	*	*	*	*0.1	*0.1	*
Osteoarthritis and allied disorders, except spine715	0.1	*	0.2	*	*0.2	0.2	*0.2	0.2	0.2	*
Other arthropathies and related disorders710–713, 716–719	0.1	*	0.1	*	*0.2	0.1	*0.2	0.1	0.1	*
Osteoporosis733.0	0.1	*	0.1	*	*0.2	0.2	*	0.2	0.1	*
Symptoms, signs, and ill-defined conditions780–799	0.2	0.8	0.2	0.7	0.3	0.3	0.4	0.3	0.2	0.7
Injury and poisoning ⁴800–999	0.2	0.8	0.2	*0.4	0.3	0.3	0.4	0.2	0.2	*0.4
Supplementary classification ⁴V01–V82	0.1	*	0.1	*	0.2	0.1	*0.3	0.1	0.1	*
Posthospital aftercareV42–46, V52, V53.3–V53.7, V54–58	0.1	*	0.1	*	*0.2	*0.1	*0.1	0.1	0.1	*

* The standard error is not reported when the sample size for the estimate is less than 30, which does not meet the standard of reliability or precision. Standard errors accompanied by an asterisk (*) indicate that the sample size is between 30 and 59, or the ratio of the standard error to the reported estimate is 30 percent or more.

¹Age at time of interview.

²Other race not shown because diagnoses estimates do not meet standard of reliability.

³Based on the *International Classification of Diseases, 9th Revision, Clinical Modification*.

⁴For data years 1995–1999 of the National Nursing Home Survey (NNHS), the Injury and Poisoning Chapter of the ICD–9–CM classified fractures in 800 codes as a primary diagnostic condition. Effective October 1999, New Long Term Care coding guidelines were issued by the Cooperating Parties of Coding Clinic for ICD–9–CM. The guidelines clearly defined the assignment of the resident’s reason for being admitted to LTC facilities. As a result, fractures are now classified in the Supplementary Classification Chapter in V Codes as posthospital aftercare.

Table XXXVIII. Standard errors of nursing home residents by length of time since admission (in days) according to primary diagnosis at time of admission and mean and median length of time since admission (in days): United States, 2004

Diagnosis and ICD-9-CM code ¹	All residents	Less than 6 months	6 months to less than 1 year	1 year to less than 3 years	3 years or more	Mean length of time in days	Median length of time in days
Total	11,168	0.6	0.4	0.5	0.5	15	12
Infectious and parasitic diseases001-139	1,895	*5.1	*	*	*	86	46
Neoplasms140-239	2,175	3.6	*	2.9	*2.5	57	34
Malignant neoplasms140-208, 230-234	2,044	3.8	*	*3.1	*	59	33
Endocrine, nutritional, and metabolic diseases and immunity disorders240-279	3,737	1.9	1.6	2.0	1.9	36	42
Diabetes mellitus250	3,244	2.1	1.8	2.4	2.3	40	44
Diseases of the blood and blood-forming groups280-289	1,146	*	*	*5.3	*	69	80
Anemias280-285	1,099	*	*	*	*	74	84
Mental disorders290-319	7,927	1.1	0.9	1.2	1.3	41	33
Senile dementia or organic brain syndrome290,310	2,090	*3.6	*	4.4	4.2	128	93
Mental retardation317-319	1,298	*	*	*4.5	5.3	402	482
Other mental disorders291-309, 311-316	7,468	1.2	1.0	1.3	1.4	38	34
Diseases of the nervous system and sense organs320-389	6,766	1.0	1.0	1.2	1.3	40	32
Alzheimer's disease331.0	5,715	1.2	1.3	1.6	1.8	35	34
Parkinson's disease332	2,069	*2.6	*2.8	3.5	2.8	77	53
Multiple sclerosis340	1,618	*	*	*	*6.0	211	244
Paralytic syndromes342-344	1,790	*3.7	*	*3.5	4.3	206	155
Other diseases of the nervous system and sense organs320-330, 331.1-331.9, 333-337, 341, 345-389	1,774	*3.4	*	*3.8	4.3	152	158
Diseases of the circulatory system390-459	7,648	1.0	0.7	1.0	1.0	23	19
Essential hypertension401	3,688	2.2	1.7	2.5	2.6	55	64
Heart disease391-392.0, 393-398, 402, 404, 410-416, 420-429	4,293	1.7	1.2	1.6	1.4	33	23
Coronary atherosclerosis414.0	*866	*	*	*	*	146	73
Cardiac dysrhythmias427	1,619	*4.6	*	*4.4	*	63	77
Congestive heart failure428.0	3,161	2.4	1.6	2.3	1.9	33	30
Other heart disease391-392.0, 393-398, 415-416, 420-426, 428.1-429	1,422	*4.8	*	*5.2	*	223	69
Acute, but ill-defined, cerebrovascular disease436	3,785	2.0	1.3	2.0	1.9	55	45
Other diseases of the circulatory system390, 392.9, 403, 405, 417, 440-459	1,762	4.3	*	*3.5	*3.6	82	64
Diseases of the respiratory system460-519	4,266	1.9	1.5	1.7	1.5	30	21
Pneumonia, all forms480-486	2,592	3.2	2.6	2.5	*2.1	39	23
Chronic obstructive pulmonary disease and allied conditions490-496	2,646	3.0	*2.3	2.8	2.3	49	42
Other diseases of the respiratory system460-478, 487, 500-519	2,023	4.3	*	*3.6	*	74	58
Diseases of the digestive system520-579	2,944	2.8	*2.1	2.5	2.4	51	43
Diseases of the genitourinary system580-629	3,005	2.7	2.1	2.5	*2	45	25
Urinary tract infection580-583, 590, 595, 597, 599.0	2,228	3.9	*3.1	*3.2	*3.2	82	44
Diseases of the skin and subcutaneous tissue680-709	1,867	4.2	*	*4.2	*	58	57
Decubitus ulcer707.0	*1,036	*	*	*	*	*98	*103
Diseases of the musculoskeletal system and connective tissue710-739	3,291	2.2	1.5	2.0	2.1	52	44
Rheumatoid arthritis, except spine714	*784	*	*	*	*	*312	*213
Osteoarthritis and allied disorders, except spine715	1,826	*4.0	*	*3.9	*4.0	102	105
Other arthropathies and related disorders710-713, 716-719	1,246	5.3	*	*	*	109	92
Osteoporosis733.0	1,106	*	*	*	*	130	138
Symptoms, signs, and ill-defined conditions ²780-799	4,138	2.2	1.5	2.1	1.6	38	29
Injury and poisoning ²800-999	1,991	4.1	*	*3.9	*4.5	145	109
Supplementary classificationV01-V82	5,218	1.7	1.2	1.5	1.2	28	21
Posthospital aftercareV42-46, V52, V53.3-V53.7, V54-58	5,035	1.8	1.3	1.5	1.3	30	22

. . . Category not applicable.

* The standard error is not reported when the sample size for the estimate is less than 30, which does not meet the standard of reliability or precision. Standard errors accompanied by an asterisk (*) indicate that the sample size is between 30 and 59, or the ratio of the standard error to the reported estimate is 30 percent or more.

¹Based on the *International Classification of Diseases, 9th Revision, Clinical Modification*.

²For data years 1995–1999 of the National Nursing Home Survey (NNHS), the Injury and Poisoning Chapter of the ICD–9–CM classified fractures in 800 codes as a primary diagnostic condition. Effective October 1999, New Long Term Care coding guidelines were issued by the Cooperating Parties of Coding Clinic for ICD–9–CM. The guidelines clearly define the assignment of the resident’s reason for being admitted to LTC facilities. As a result, fractures are now classified in the Supplementary Classification Chapter in V Codes as posthospital aftercare.

Table XXXIX. Standard errors of nursing home residents by number of medications taken and selected resident characteristics: United States, 2004

Characteristic	Medications ^{1,2}						
	All residents	1–4 medications		5–8 medications		9 or more medications	
		Number	Number	Percent	Number	Percent	Number
All residents	11,168	5,953	0.4	9,516	0.6	10,917	0.7
Age ³							
Under 65 years	7,388	2,127	1.1	3,987	1.5	4,372	1.8
65 years and older	12,926	5,475	0.4	9,091	0.6	10,752	0.7
65–74 years	5,259	1,679	0.9	3,221	1.5	3,733	1.5
75–84 years	8,242	2,900	0.6	5,017	0.9	6,458	1.0
85 years and older	11,976	4,077	0.6	6,888	0.8	7,978	0.8
Sex							
Male	9,041	3,486	0.7	5,263	1.0	6,321	1.1
Female	12,095	4,839	0.4	8,167	0.6	9,501	0.7
Race							
White	15,298	5,666	0.4	9,178	0.6	11,316	0.7
Black	11,016	2,447	1.0	5,404	1.6	5,668	1.8
Other ⁴	4,001	*1,209	*2.7	2,282	4.0	1,407	3.2
Hispanic or Latino origin							
Hispanic or Latino	5,564	*1,301	*1.8	3,202	3.3	2,888	3.5
Not Hispanic or Latino	12,339	5,757	0.4	9,349	0.6	11,054	0.7

* The standard error is not reported when the sample size for the estimate is less than 30, which does not meet the standard of reliability or precision. Standard errors accompanied by an asterisk (*) indicate that the sample size is between 30 and 59, or the ratio of the standard error to the reported estimate is 30 percent or more.

¹Medications include only those medicines taken the day before interview. Medications include those prescribed by a physician, over-the-counter drugs, nutritional, herbal, vitamin, and mineral supplements, and unknowns.

²Residents with no medications and residents for whom medications are unknown are not shown because estimates do not meet standard of reliability.

³Age at time of interview.

⁴Other race includes Asian, Native Hawaiian or other Pacific Islander, American Indian or Alaska Native, and multiple races. Persons of Hispanic origin may be of any race. Starting with data year 1999, race-specific estimates have been tabulated according to the 1997 Standards for Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. However, only a small number of records had multiple races.

Table XL. Standard errors of nursing home residents by pneumococcal vaccination status and by age, sex, and race: United States, 2004

Pneumococcal vaccination status	Age ¹										
	All residents	65 years and older					Sex		Race		
		Under 65 years	Total	65–74 years	75–84 years	85 years and older	Male	Female	White	Black	Other ²
All residents	11,168	7,388	12,926	5,259	8,242	11,976	9,041	12,095	15,298	11,016	4,001
Vaccinated	17,413	4,388	16,304	3,897	6,956	11,145	7,453	13,601	16,477	5,021	2,839
At facility	14,687	4,014	13,408	3,546	5,866	8,980	6,234	11,340	13,406	4,588	1,895
Before admitted to facility	8,465	1,470	8,184	1,515	3,722	5,485	3,352	6,773	8,140	1,463	*1,597
Not vaccinated	16,209	5,119	14,571	3,837	7,013	8,340	6,687	12,356	14,273	7,767	1,652
No record	11,146	3,526	9,483	2,102	4,125	4,971	4,120	7,936	8,639	5,655	*
Medically contraindicated	*841	*	*785	*	*	*	*	*772	*753	*	*
Refused	5,099	1,379	4,707	1,293	2,310	2,831	2,243	3,941	4,836	*1,101	*
Other reason	7,344	1,641	6,669	1,348	3,209	3,776	2,741	5,857	6,559	1,751	*
Unknown reason	12,303	2,867	10,840	2,840	4,980	5,848	4,719	8,971	10,513	4,898	*1,378
Unknown if vaccinated	13,931	3,369	12,270	2,754	5,216	7,109	5,268	10,507	11,832	4,918	*1,241
							Percent				
Vaccinated	1.1	2.0	1.1	1.8	1.3	1.2	1.4	1.1	1.1	2.3	5.0
At facility	0.9	1.9	0.9	1.7	1.1	1.1	1.2	1.0	0.9	2.1	3.9
Before admitted to facility	0.6	0.8	0.6	0.9	0.8	0.7	0.7	0.6	0.6	0.8	*4.5
Not vaccinated	1.1	2.1	1.1	1.8	1.3	1.2	1.4	1.1	1.1	2.8	4.4
No record	0.7	1.8	0.7	1.2	0.9	0.7	0.9	0.7	0.7	2.8	*
Medically contraindicated	*0.1	*	*0.1	*	*	*	*	*0.1	*0.1	*	*
Refused	0.3	0.8	0.3	0.7	0.5	0.4	0.5	0.4	0.4	*0.6	*
Other reason	0.5	0.9	0.5	0.8	0.7	0.6	0.6	0.5	0.5	0.9	*
Unknown reason	0.8	1.5	0.8	1.5	1.0	0.8	1.1	0.8	0.8	2.3	*3.9
Unknown if vaccinated	0.9	1.8	0.9	1.5	1.1	1.0	1.2	1.0	0.9	2.3	*3.7

* The standard error is not reported when the sample size for the estimate is less than 30, which does not meet the standard of reliability or precision. Standard errors accompanied by an asterisk (*) indicate that the sample size is between 30 and 59, or the ratio of the standard error to the reported estimate is 30 percent or more.

¹Age at time of interview.

²Other race includes Asian, Native Hawaiian or other Pacific Islander, American Indian or Alaska Native, and multiple races. Persons of Hispanic origin may be of any race. Starting with data year 1999, race-specific estimates have been tabulated according to the 1997 Standards for Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. However, only a small number of records had multiple races.

Table XLI. Standard errors of nursing home residents by influenza vaccination status and by age, sex, and race: United States, 2004

Influenza vaccination status	Age ¹											
	All residents	65 years and older					Sex		Race			
		Under 65 years	Total	65–74 years	75–84 years	85 years and older	Male	Female	White	Black	Other ²	
All residents	11,168	7,388	12,926	5,259	8,242	11,976	9,041	12,095	15,298	11,016	4,001	
Vaccinated	14,898	5,599	14,166	4,248	7,383	10,562	8,065	12,543	15,081	7,178	3,155	
At facility	14,540	5,489	13,683	4,053	7,182	10,117	7,974	12,157	14,567	6,967	2,835	
Before admitted to facility	4,103	*731	3,959	1,107	2,225	2,390	1,825	3,239	3,744	*1,097	*	
Not vaccinated	11,984	3,635	11,129	3,411	5,792	6,810	5,395	9,472	10,876	5,720	1,323	
No record	4,527	*1,123	4,176	*1,448	1,832	2,182	1,885	3,416	3,723	*1,937	*	
Medically contraindicated	1,104	*	1,100	*	*	*891	*	1,003	1,033	*	*	
Refused	4,686	1,387	4,354	1,398	2,171	2,720	2,124	3,714	4,336	1,270	*	
Other reason	7,086	1,674	6,369	1,626	3,030	3,644	2,996	4,946	5,735	2,754	*	
Unknown reason	6,314	1,601	5,501	1,630	2,535	3,051	2,374	4,829	4,780	3,405	*	
Not in facility during recent flu season	7,892	2,113	7,223	1,766	3,751	3,974	3,336	5,977	7,412	2,174	*701	
Unknown if vaccinated	8,614	1,846	7,822	1,978	3,332	4,230	3,258	6,200	6,933	3,299	*	
				Percent								
Vaccinated	0.9	1.8	0.9	1.7	1.2	1.0	1.3	0.9	0.9	2.3	3.8	
At facility	0.9	1.8	0.9	1.7	1.2	1.0	1.3	0.9	0.9	2.3	3.9	
Before admitted to facility	0.3	*0.4	0.3	0.6	0.5	0.3	0.4	0.3	0.3	*0.6	*	
Not vaccinated	0.8	1.6	0.8	1.7	1.1	0.9	1.1	0.8	0.8	2.1	3.4	
No record	0.3	*0.6	0.3	*0.8	0.4	0.3	0.4	0.3	0.3	*1.0	*	
Medically contraindicated	0.1	*	0.1	*	*	*0.1	*	0.1	0.1	*	*	
Refused	0.3	0.8	0.3	0.8	0.4	0.4	0.5	0.3	0.3	0.6	*	
Other reason	0.5	0.9	0.5	0.9	0.6	0.5	0.7	0.5	0.4	1.4	*	
Unknown reason	0.4	0.9	0.4	0.9	0.5	0.4	0.5	0.4	0.4	1.7	*	
Not in facility during recent flu season	0.5	1.1	0.5	1.0	0.8	0.6	0.8	0.6	0.6	1.0	*2.2	
Unknown if vaccinated	0.6	1.0	0.6	1.1	0.7	0.6	0.8	0.6	0.5	1.7	*	

* The standard error is not reported when the sample size for the estimate is less than 30, which does not meet the standard of reliability or precision. Standard errors accompanied by an asterisk (*) indicate that the sample size is between 30 and 59, or the ratio of the standard error to the reported estimate is 30 percent or more.

¹Age at time of interview.

²Other race includes Asian, Native Hawaiian or other Pacific Islander, American Indian or Alaska Native, and multiple races. Persons of Hispanic origin may be of any race. Starting with data year 1999, race-specific estimates have been tabulated according to the 1997 Standards for Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. However, only a small number of records had multiple races.