Vital and Health Statistics

Nursing Home Utilization by Current Residents: United States, 1985

Series 13: Data From the National Health Survey No. 102

This report presents utilization characteristics (rate of residency in nursing homes, length of stay since admission, average total monthly charge, and average number of dependencies in activities of daily living) according to the major demographic characteristics of age, sex, race, and Hispanic origin. Estimates are based on data collected in the 1985 National Nursing Home Survey. Selected trends in use of nursing homes are also examined.

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Centers for Disease Control
National Center for Health Statistics

Hyattsville, Md. October 1989 DHHS Publication No. (PHS) 89–1763

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Suggested citation

Hing E. Nursing home utilization by current residents: United States, 1985. National Center for Health Statistics. Vital Health Stat 13(102). 1989.

Library of Congress Cataloging-in-Publication Data

Hing, Esther.

Nursing home utilization by current residents, United States, 1985.

p. cm. — (Vital & health statistics. Series 13, Data from the national health survey; no. 102) (DHHS publication no. (PHS) 89-1763)

Includes bibliographies.

ISBN 0-8406-0418-1

- 1. Nursing homes—United States—Utilization—Statistics.
- I. National Center for Health Statistics (U.S.) II. Title.
- III. Series: Vital and health statistics. Series 13, Data from the national health survey; no. 102. IV. Series: DHHS publication no. (PHS) 89-1763.

[DNLM: 1. Nursing Homes—utilization—United States—statistics. W2 A N148vm no. 102] RA997.H563 1989 362.1'6'0973021 -- dc20 DNLM/DLC for Library of Congress

89-600139

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Symbols

- --- Data not available
- ... Category not applicable
- Quantity zero
- 0.0 Quantity more than zero but less than 0.05
- Quantity more than zero but less than500 where numbers are rounded to thousands
- Figure does not meet standard of reliability or precision (more than 30percent relative standard error)
- # Figure suppressed to comply with confidentiality requirements

Nursing home utilization by current residents

by Esther Hing, Division of Health Care Statistics

Introduction

Scope of report

In this report, several measures of nursing home utilization for current residents will be examined by the major demographic characteristics of age, sex, race, and Hispanic origin. The utilization measures examined are the rate of residency in nursing homes as measured by the number of nursing home residents per 1,000 population, length of stay since admission, average total monthly charge, and average number of dependencies in activities of daily living. These four utilization measures reflect "snapshot" use of nursing homes by persons living in nursing homes on any given day during the August 1985 through January 1986 survey period. Other characteristics examined in this report include marital status, living arrangements prior to admission, prior nursing home use, hospitalizations while still a resident, health status (primary and all-listed diagnoses at time of survey and mental status), and primary source of payment at admission and in month before interview. Selected trends in use of nursing homes by current residents are also examined in this report.

Sources and qualifications of data

The data presented in this report are from the 1985 National Nursing Home Survey (NNHS), a nationwide sample survey of nursing homes, their residents, discharges, and staff conducted by the National Center for Health Statistics. The survey, which was conducted from August 1985 through January 1986, was the third of a continuing series of nursing home surveys. The first survey was conducted from August 1973 through April 1974, and the second was conducted from May through December 1977.

Facilities included in the 1985 NNHS were nursing and related-care homes in the conterminous United States that had three beds or more set up and staffed for use by residents and that routinely provided nursing and personal care services. A facility could be free standing or could be a nursing care unit of a hospital, retirement center, or similar institution as long as the unit maintained financial and employee records separate from the parent institution. Places providing only room and board were excluded, as were places serving only persons with specific health problems (for example, mental retardation or alcoholism). In addition, facilities identified as residential care were also excluded.

The sampling frame for the 1985 NNHS consisted of the following components:

- The 1982 National Master Facility Inventory (NMFI), a census of nursing and related-care homes conducted by the National Center for Health Statistics (1).
- Homes identified in the 1982 Complement Survey of the NMFI as "missing" from the 1982 NMFI.
- Nursing homes opened for business from 1982 through June 1, 1984.
- Hospital-based nursing homes identified in the records of the Health Care Financing Administration.

The resulting frame contained 20,479 nursing homes. In this report, the terms "nursing homes," "nursing and related-care homes," and "facilities" are used interchangeably.

Estimates in this report are based on a sample of 5,243 residents of the 1,079 nursing homes participating in the survey. A sample of five residents or fewer per sample facility was selected. Residents included in the sample were those on the nursing home's roster the night before data collection began. Data were collected by interviewing knowledgeable nursing home staff members, who referred to the residents' medical records when necessary. Additional followup information on the sample residents was collected by telephone interview with the residents' next of kin. (A resident's guardian or friends were contacted if there was no next of kin.) Data collected from the next of kin focused on the circumstances and reasons for the resident's nursing home admission. The bulk of the data in this report were obtained from the nursing home staff. Selected data reported by the residents' next of kin, however, also are presented.

A detailed description of the sampling frame, sample design, and survey procedures is presented in appendix I. Appendix I also includes imputation procedures and estimation techniques. Because the data in this report are national estimates based on a sample and are subject to sampling errors, a standard error chart and a description of its use are provided in appendix I.

Appendix II presents definitions of terms used in this report. Reference to the definitions in appendix II is essential to interpret the data in this report. Facsimiles of selected questionnaires and forms used in the survey are shown in appendix III.

1

Preliminary statistics about facilities, residents, discharges, and registered nurses have been published (2-5). Final statistics on a variety of topics (6) and on the effects of Medicare's prospective payment system on nursing homes (7) also have been published.

Trend comparison qualifications

Although data on residents reported by the nursing home staff were collected in a similar manner in earlier National Nursing Home Surveys as in the 1985 survey, note should be taken of some differences.

First, personal care without nursing and domiciliary care homes were excluded from the scope of the 1973–74 NNHS but included in the two later surveys. The effect of this difference is noteworthy because, according to the 1971 NMFI, about 25 percent of all nursing homes in 1971 were personal care without nursing or domiciliary care homes and they housed about 7 percent of the residents (8). The 1971 NMFI, updated for newly opened facilities, was basically the sampling frame for the 1973–74 NNHS. Because no adjustments were

made when making trend comparisons between 1973–74 and later NNHS data, the reader should be cognizant of the restricted scope of the 1973–74 survey. Overall, and in specific cases, the 1973–74 estimates will underestimate the total number of nursing home residents.

Second, certain variables presented in this report were not available from previous surveys. Data on some variables discussed in this report—prior use of nursing homes, hospitalizations while still a resident, ability to transfer in or out of a bed or chair, and primary source of payment at admission—were not collected in the earlier surveys.

Third, race and ethnicity were collected as a single item in the 1973–74 and 1977 surveys but as separate items in 1985. This difference should be considered when comparing data by race from the 1985 NNHS and previous surveys.

In addition to the three NNHS's, a series of surveys conducted from 1963 through 1969, called the Resident Places Surveys, provides additional background information about nursing home residents. Because the methodology and many of the data items collected in the Resident Places Surveys and the first two NNHS's are comparable with those of the 1985 NNHS, selected trend data are presented in this report.

Utilization by demographic characteristics

Demographic characteristics

In 1985, an estimated 1,491,400 residents lived in 19,100 nursing homes nationwide, representing a 14-percent increase over the 1,303,100 residents reported in the 1977 NNHS. The vast majority of nursing home residents were elderly (88 percent) and three-quarters were 75 years of age and over (table 1). Since 1977, the age structure of the resident population has shifted to the oldest age group. In 1977, 14 percent of the residents were under 65 years of age and 35 percent were 85 years of age and over. By 1985, 12 percent of the residents were under 65 years and 40 percent were 85 years of age and over. As a result of the shifting age distribution, the average age of nursing home residents increased from 78 to 79 years from 1977 to 1985. The median age was 81 years.

Not only were nursing home residents predominantly elderly, they also tended to be female (72 percent). Females outnumbered males in each age group over 64 years and tended to be older (with an average age of 81 years) than male residents were (74 years of age). The preponderance of females in nursing homes is related to their longer life expectancy (78.2 years compared with 71.2 years for males in 1985) (9). It also reflects a greater tendency among the elderly without spouses or living alone to enter nursing homes (10,11). According to data from the Longitudinal Study of Aging, for example, persons aged 70 years and over living alone in 1984 were more likely than those living with others to be in a nursing home 2 years later. In 1985, 73 percent of female nursing home residents were widowed, compared with only 33 percent of male residents.

The overwhelming majority of nursing home residents also were white (92 percent). Only 7 percent of the residents were black, and less than 1 percent were other races (Asian or Pacific Islander; American Indian or Alaskan Native). On the average, white residents were older (80 years) than black residents (75 years) and residents of other races (73 years). A larger proportion of black residents (21 percent) than white residents (11 percent) were under 65 years.

The rate of residency in nursing homes by the elderly population 65 years of age and over in 1985 was 46.2 per 1,000 population. The rate of residency in nursing homes increased with age, from less than 1 out of every 1,000 persons under 65 years to 220 for every 1,000 persons aged 85 years and over. In general, rates of residency were lower for males than females, lower for persons who were black or other races than for white persons. In 1985, the rate of residency for elderly females (58 per 1,000 population) was twice that of elderly

males (29 per 1,000 population). Similarly, the rate of residency for elderly white persons (48 per 1,000 population) was greater than that for elderly black persons (35 per 1,000 population) and elderly persons of other races (20 per 1,000 population) (3). Table 2 shows that when age, sex, and race are jointly considered, elderly white females had the highest rates of residency in nursing homes of the four age-sex-race groups. At 65 years of age and over, 60 of every 1,000 white females resided in nursing homes, compared with 39 of every 1,000 black females, 29 per 1,000 white males, and 29 per 1,000 black males of the same age. At 85 years of age and over, the discrepancy in rates of residency was even greater; 259 of every 1,000 white females resided in nursing homes, compared with 163 of every 1,000 black females, 151 of every 1,000 white males, and 96 of every 1,000 black males of the same age.

Overall, the rate of residency for the elderly has not changed since 1973-74. About 5 percent of the elderly resided in nursing homes on any given day in 1973-74, 1977, and 1985, based on data from the three NNHS's. The rate of residency for persons 85 years of age and over, however, declined from 257 per 1,000 persons in 1973-74 to 220 per 1,000 persons in 1985. The same trend applies to both males and females aged 85 years and over and to white males and white females of the same age. The reasons for the declining use of nursing homes by those in the age group with the highest nursing home utilization rates are unknown. Several factors, however, may be related to this trend. A tight supply of nursing home beds, for example, limits nursing home utilization. During the 1970's, many States established certificate-of-need laws to control nursing home bed supply and expenditures (12,13). The effectiveness of these laws is seen in the uniformly high occupancy rates in nursing homes, which increased from 87 percent in 1972 to 92 percent in 1984 (2). As a result, the nursing home bed supply grew more slowly (38 percent from 1973 to 1985) than the population 85 years and over (69 percent during the same period), who are the heaviest users of nursing homes among the elderly (2,14,15).

If nursing home beds are not available, alternative forms of long-term care may be substituted (16,17). This may have happened for many elderly aged 85 years and over because incident use of home care services was 12 times higher among those aged 85 years and over than among those aged 65–74 years (18). Figure 1 shows that from 1973 to 1985, the number of Medicare home health agency visits per 1,000 beneficiaries increased dramatically, from 272 visits per 1,000 enrollees in 1973 to 1,360 visits per 1,000 enrollees in 1985. In 1985, it was estimated that, nationwide, over 2.1 million

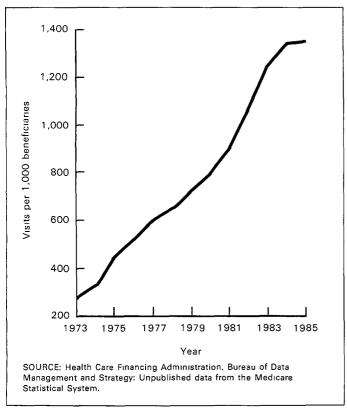


Figure 1. Medicare home health agency visits per 1,000 beneficiaries: United States, 1973–85

patients substituted home care for care in a hospital or nursing home (19). According to data from the Supplement on Aging to the 1984 National Health Interview Survey, 3 percent of the noninstitutionalized elderly population received home health care from a visiting nurse, 2 percent received care from home health aides, 2 percent received home-delivered meals, and 1 percent received homemaker services (20). Use of these inhome services was found to be greater among the elderly with moderate and severe limitations of activity (20). Moderate and severe limitations were highest among those aged 85 years and over (21).

Although declining rates of nursing home residency were observed for white males and white females aged 85 years and over since 1973–74, the same trend did not apply to black males and black females of the same age. From 1973–74 to 1985, use of nursing homes by black males and black females of this age group did not change, perhaps because of the small number of black persons in the sample. The overall use of nursing homes by black persons aged 65 years and over, however, increased from 22 per 1,000 population in 1973–74 to 35 per 1,000 population in 1985.

It should be noted that the trends on rates of residency in nursing homes since 1973–74 are affected by the more restricted scope of the 1973–74 NNHS. Overall, the total number of nursing home residents may be underestimated by 7 percent. Other specific categories affected by the narrower scope of the 1973–74 NNHS, however, are unknown because of lack of information on residents in personal care homes without nursing and domiciliary care homes in 1973–74.

Table 1 shows that, in 1985, there were 41,000 residents of Hispanic origin in nursing homes nationwide, representing a near tripling of the 14,400 Hispanic residents reported in the 1977 NNHS (22). The percent of elderly residents of Hispanic origin also tripled (table A). Much of the increased representation of Hispanic people in nursing homes may result from changes in survey methodology. In 1977, Hispanic origin and race were collected as a single item. In 1985, race and Hispanic origin were collected as separate items. Estimates of Hispanic persons are expected to be higher when collected separately because race and Hispanic origin are not mutually exclusive categories. In 1985, the proportion of elderly Hispanic residents in nursing homes (3 percent) was comparable to that found in the elderly noninstitutionalized population (table A). In contrast, the 1977 proportion of elderly Hispanic residents in nursing homes (1 percent) was half that found among the elderly noninstitutionalized population (2 percent). Estimates from the 1976-77 and 1978 National Health Interview Surveys (NHIS's) showed similar results. The estimate of Hispanic persons from the 1978 NHIS, in which race and Hispanic origin were collected separately, was 10 percent higher (13.1 million persons) than the average annual estimate of 11.9 million Hispanic persons from the 1976-77 NHIS (in

Table A. Number and percent of persons 65 years and over, by whether nursing home resident or noninstitutionalized and Hispanic origin: United States, 1977 and 1985

		1977	1985			
Hispanic origin	Nursing home residents	Noninstitutionalized population ¹	Nursing home residents	Noninstitutionalized population ²		
		Nur	nber			
All persons 65 years and over	1,126,000	22,107,000	1,318,300	26,918,000		
Hispanic persons 65 years and over	10,500	464,000	35,300	813,000		
		Per	cent			
Hispanic persons 65 years and over	0.9	2.1	2.7	3.0		

¹Data are from the U.S. Bureau of the Census, Persons of Spanish origin in the United States, March 1977, Current Population Reports; series P-20, no 329. Washington: U.S. Department of Commerce, Sept. 1978.

²Data are from the U.S. Bureau of the Census. The Hispanic population of the United States: March 1985. Current Population Reports; series P-20, no 422. Washington U.S. Department of Commerce Mar 1988

which these items were collected jointly) (23). In 1985, the average age of Hispanic residents (77 years) was not significantly different from that of non-Hispanic residents (79 years).

Length of stay since admission

In 1985, as was found in previous nursing home surveys (22,24-27), most nursing home residents were characterized by long stays in the facility; 64 percent had been in the facility 1 year or more and 18 percent had been in the facility 5 years or more (table 3). In contrast, 22 percent had been in the facility less than 6 months and 13 percent had been in the facility less than 3 months. The median length of stay in nursing homes was 1.7 years. The median length of stay is the point in the distribution where half of the residents have shorter stays and half have longer stays. The average length of stay. 2.9 years, which is influenced by the range of cases, was significantly longer than the median length of stay. The average length of stay did not vary by sex, race, or Hispanic origin. Residents under 65 years, however, tended to have longer stays (3.6 years) than elderly residents (2.8 years). The average length of stay for never married residents (4.3 years) was longer than that for any other marital status group (1.8-2.7 years).

The median length of stay in 1985 was not statistically different from that in 1977. The average length of stay, however, increased from 2.6 years in 1977 to 2.9 years in 1985 (table B). Since 1977, increases in average length of stay occurred among residents aged 65–74 years and aged 75–84 years,

Table B. Average length of stay since admission of nursing home residents, by selected characteristics: United States, 1977 and 1985

Characteristic	1977	1985			
	Average lengt of stay in day				
Total	958	1,059			
Age					
Under 65 years	1,123 932 883 848 1,042	1,311 1,026 1,055 948 1,081			
Sex					
Male Female	885 987	1,031 1,070			
Race					
White ¹ All otherBlack	957 977 977	1,061 1,037 1,041			
Current marital status					
Married	581 921 889 1,336	675 990 997 1,582			

¹Data for 1977 include Hispanic residents.

among both sexes; among white residents; and among married, widowed, and never married residents. The shift of the age distribution toward the oldest age group since 1977, noted earlier, did not account for the overall longer stays of nursing home residents in 1985. When the 1985 average length of stay was age adjusted to the age distribution of the 1977 resident population in nursing homes, the age-adjusted average stay was still 2.9 years.

The most obvious explanation for the longer average stays for residents in 1985 is that there were more residents with very long stays (5 years or more) in 1985 than in 1977; in 1985, 18 percent of the residents had been in the facility 5 years or more, compared with 16 percent in 1977 (22). Other reasons for the increased length of stay for nursing home residents will be examined in more detail in later sections of this report.

Functional status in activities of daily living

Because of the preponderance of very old residents in nursing homes, many residents required assistance or did not perform the basic activities of daily living (ADL's) needed for independent living. The ADL's are bathing, dressing, using the toilet room, transferring into or out of a bed or chair, continence, and eating. In 1985, 89 percent of nursing home residents required assistance in bathing, 75 percent required assistance in dressing, 61 percent required assistance using the toilet room, 60 percent required assistance in transferring into or out of a bed or chair, 52 percent were incontinent (bowels, bladder, or both), and 39 percent required assistance in eating (table 4).

In general, dependency in the ADL's increased with age; 71 percent of younger residents (under 65 years) required assistance in bathing, compared with 94 percent of residents 85 years of age and over. Similarly, 32 percent of younger residents were incontinent, compared with 58 percent of residents 85 years of age and over. Because female residents were older, on the average, than male residents, they tended to require assistance more often than male residents in all six ADL's.

The ADL's may be summarized by summing the number of activities in which a resident required assistance (28). In 1985, 29 percent of residents required assistance in all six activities, and only 10 percent were independent in all six activities (tables 5–6). The average number of ADL dependencies was 3.8 overall and tended to increase with age. Residents under 65 years had an average of 2.8 dependencies, compared with 4.1 for residents aged 85 years and over. The average number of ADL dependencies was greater for female residents (3.9) than for male residents (3.3) because of their older ages. The same trend, however, also applied to each of the major age groups. The average number of ADL dependencies was also greater for black residents (4.0) than white residents (3.7). There was no statistically significant difference in the average number of ADL dependencies by Hispanic origin (table C).

Elderly residents, who constitute 88 percent of all residents in nursing homes, were more functionally dependent in the ADL's on any given day of the survey period than their non-

²Data include a small number of unknowns.

Table C. Average monthly charge and average number of dependencies in activities of daily living of nursing home residents, by selected characteristics: United States, 1985

Characteristic	Average monthly charge	Average number of dependencies
Sex and age		
Both sexes, all ages	\$1,456	3.8
Under 65 years	1,379	2.8
65 years and over	1,466	3.9
65-74 years	1,372	3.4
75-84 years	1,468	3.8
85 years and over	1,497	4.1
Male, all ages	1,438	3.3
Under 65 years	1,391	2.5
65 years and over	1,451	3.6
65-74 years	1,349	3.1
75-84 γears	1,455	3.6
85 years and over	1,519	3.9
Female, all ages	1,463	3.9
Under 65 years	1,367	3.0
65 years and over	1,471	4.0
65-74 years	1,386	3.6
75-84 years	1,473	3.9
85 years and over	1,492	4.2
Race		
White	1,454	3.7
All other	1,481	3.9
Black	1,451	4.0
Hispanic origin		
Hispanic	1,400	4.1
Non-Hispanic ¹	1,457	3.8
Current marital status		
Married	1,540	4.3
Widowed ¹	1,472	4.0
Divorced or separated	1,362	2.9
Never married	1,382	3.1

¹Data include a small number of unknowns

institutionalized counterparts (3). In addition, according to followup information on the residents provided by telephone interview with their next of kin, problems doing everyday activities (such as bathing, dressing, eating, walking, getting into or out of a chair or bed, and controlling urination and bowel movements) were the second most frequent reason for the resident's admission to the nursing home (table D). Among the 1,462,900 residents with next of kin, the most frequent reason cited for nursing home admission was that the resident required more care than household members could give (78 percent), followed by problems doing everyday activities (74 percent). The third most frequent reason given by next of kin for admission was that there was no one at home to provide care (64 percent), followed by not enough money to purchase nursing care at home (41 percent), recuperation from surgery or illness (34 percent), and spouse entered nursing home (3 percent). (The percent of residents by reasons for admission exceeds 100 percent because residents may have had more than one reason for admission to the nursing home.) The fact that nearly three-quarters of these residents had problems doing ADL's at admission tends to support the notion that dependence in the ADL's is a risk factor for nursing home admission (10,29-31).

Table D also gives a partial explanation for the more dependent functional status of female residents, noted previously. Next of kin reported problems doing ADL's at time of admission more often for female residents (75 percent) than for male residents (70 percent). Thus, female residents tended to be more functionally dependent at the time of the survey because they had entered the nursing home in a more functionally dependent state.

Not only are the ADL's indicators of need for nursing home care, but they have also been found to be good predictors of resource use in long-term care settings (32) and cost of care (33). This is illustrated in figure 2, which shows the average total monthly charge for residents by number of ADL depend-

Table D. Percent of nursing home residents, by selected characteristics and reason for admission as reported by next of kin: United States, 1985

				Age								
				65 years	and over							
	All residents					85 years and over		Sex	Race		Hispan.	ic origin
Reason for admission	with next of kin	Under 65 years	Total	65–74 al years	7584 years		Male	Female	White	Black	Hispanic	Non- Hispanic ¹
Recuperation from surgery or						Pero	ent					
illness	34.2	23.8	35.4	38.1	34.9	35.0	33.0	34.6	34.0	35.9	42.1	34.0
care	63.9	55.8	64.9	60.9	65.3	65.9	62.0	64.6	63.8	65.0	56.6	64.1
nursing care at home	40.6	45.6	39.9	46.0	41.4	36.7	41.3	40.3	39.5	55.2	36.5	40.7
Required more care than house- hold members could give	77.5	75.9	77.7	77.4	78.3	77.3	77.9	77.4	77.4	79.0	78.2	77.5
Problems in doing everyday activities	73.9	65.4	74.9	74.8	75.0	74.9	69.9	75.4	73.5	76.9	76.2	73.8
Because spouse entered	2.9	*0.5	3.2	*2.2	2.9	3.7	3.9	2.5	3.0	*1.9	*4.7	2.8

¹Data include a small number of unknowns.

NOTE. Resident may have had more than 1 reason for admission to nursing home.

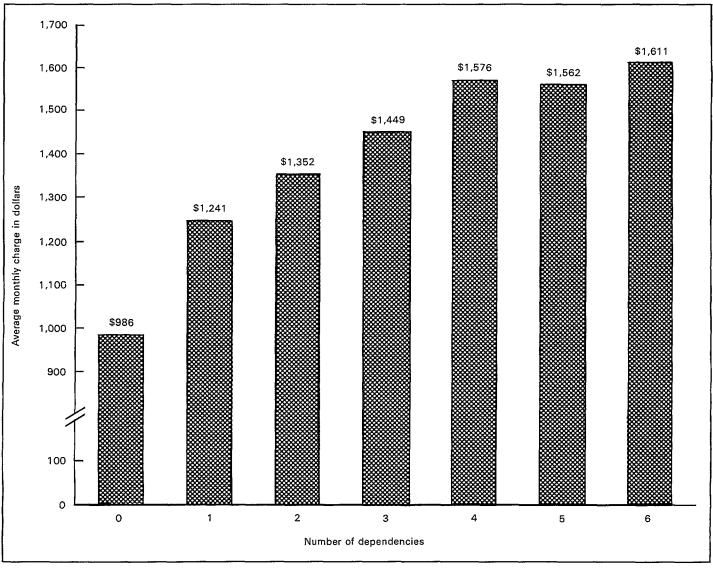


Figure 2. Average monthly charge for nursing home residents, by number of dependencies in activities of daily living: United States, 1985

encies. This figure shows that residents with four to six ADL dependencies had the highest average total monthly charge; residents with no ADL dependencies had the lowest average monthly charge. Overall, the average monthly charge in 1985 was \$1,456, or roughly \$17,500 a year.

Average monthly charge

Table C shows that the average monthly charge for nursing home residents did not vary substantially by sex, race, or Hispanic origin. Residents under 75 years of age tended to have lower average monthly charges (\$1,375) than residents 75 years of age and over (\$1,484). The same tendency also applied to female residents. Married residents tended to have higher average monthly charges than divorced or separated and never-married residents. The difference in average monthly charges for married and widowed residents, however, was not statistically significant.

The average monthly charge for residents in 1985 was more than double that paid in 1977 (\$689). Table E, however,

Table E. Average monthly charge, medical care price index, and average monthly charge in constant (1977) dollars: United States, 1977 and 1985

Year	Average monthly charge	Medical care price index ¹	Average monthly charge in constant (1977) dollars ²
1977	\$ 689	100.0	\$689
1985	1,456	201.6	722

¹The medical care price index was adjusted to make 1977 equal to 100.0 by dividing the medical care component of the Consumer Price Index (CPI) for each year by that for 1977. Data from the Bureau of Labor Statistics used in this adjustment are presented below.

Medical care component of CPI (1977 \approx 100)	Date
204.9	August 1977

²To convert average charges to constant (1977) dollars, charges are divided by the medical care price index and multiplied by 100.

Table F. Percent of nursing home residents, by type of dependency in activities of daily living, percent distribution by number of dependencies, and average number of dependencies: United States, 1977 and 1985

Dependency status	1977	1985		
Type of dependency	Percent			
Requires assistance in bathing	86.3	88.7		
Requires assistance in dressing	69.4	75.4		
Requires assistance in using toilet room	52.6	60.9		
Requires assistance in mobility ¹	66.1	70.7		
Has difficulty with bowel and/or bladder control	45.3	51.9		
Requires assistance in eating	32.6	39.3		
	Pero	cent		
Number of dependencies	dıstrik	oution		
None	9.6	8.2		
1	12.4	9.3		
2	12.9	10.4		
3	10.7	9.2		
4	13.5	14.3		
5	17.6	19.5		
6	23.3	29.1		
	Num	nber		
Average	3.5	3.9		

 $^{^1\}mathrm{Mobility}$ is used in place of transferring into or out of a chair or bed, because transferring was not available in the 1977 survey.

shows that most of the increase in average charge resulted from inflation. In constant (1977) dollars, the average monthly charge in 1985 was only 5 percent higher than that for 1977. The remaining difference in average charges for 1977 and 1985 may result from changes in the case mix of residents served in nursing homes from 1977 to 1985. As table F shows, nursing home residents in 1985 were more dependent in bathing, dressing, using the toilet room, continence, and eating, as well as in mobility, than their counterparts in 1977. When mobility is substituted for transferring into or out of a chair or bed, residents in 1985 had a higher average number of ADL dependencies (3.9) than residents in 1977 (3.5).

Utilization by health status

Primary diagnosis at time of survey

In 1985, the most frequent primary or first-listed diagnosis found among nursing home residents was heart disease (16 percent), followed by cerebrovascular disease (10 percent), organic brain syndrome (9 percent), psychoses other than senile dementia (6 percent), and diabetes mellitus (4 percent) (table 7). Table G shows significant differences in primary diagnoses between elderly residents and residents under 65 years of age. The primary diagnosis for elderly residents was more likely to involve diseases of the circulatory system (35 percent) than was the case for younger residents (12 percent). In contrast, younger residents were more likely to be diagnosed with mental disorders (45 percent) than elderly residents were (19 percent). This pattern of diagnosis is also evident in table 7. For residents under 65 years, the most frequent primary diagnosis at the time of survey was psychoses other than senile dementia (22 percent), followed by mental retardation (13 percent), cerebrovascular disease (6 percent), other mental disorders (5 percent), diabetes mellitus (5 percent), and organic brain syndrome (4 percent). Among residents aged 65-74 years, cerebrovascular disease (12 percent) was the most frequent primary diagnosis, followed by psychoses other than senile dementia (10 percent), heart disease (9 percent), organic brain syndrome (7 percent), chronic obstructive pulmonary disease (6 percent), and Alzheimer's disease and other degeneration of the brain (5 percent). For the group 75 years of age and over, heart disease, cerebrovascular disease, organic brain syndrome, and chronic conditions (diabetes mellitus, arthritis or rheumatism, and essential hypertension) were the leading diagnoses, and mental disorders (excluding organic brain syndrome) fell in rankings. The rankings of primary diagnoses for each sex tended to follow similar patterns by age. Table 8 presents the average length of stay and average monthly charge by primary diagnosis at time of survey.

Information on the primary diagnosis for residents has been collected in each of the NNHS's and in ad hoc surveys of nursing homes preceding the NNHS. Table H shows that the distribution of primary diagnoses among nursing home residents has remained stable for most of the major chapters of the International Classification of Diseases (ICD) since 1969. Exceptions to this rule occurred among the ICD chapters on mental disorders; diseases of the circulatory system; and symptoms, signs, and ill-defined conditions. The percent of residents with a primary diagnosis involving mental disorders doubled from 1969 to 1985 (from 11 to 22 percent); the percent of residents

with a primary diagnosis involving symptoms, signs, and ill-defined conditions declined from 10 percent in 1969 to 4 percent in 1985. The percent of residents with a primary diagnosis involving diseases of the circulatory system fluctuated during this time, but was lower in 1985 (33 percent) than in 1969 (39 percent).

The change in distribution of mental disorders may reflect a change in location of care for the chronically mentally ill during this period—from mental hospitals to nursing homes. From 1969 to 1973–74, the number of nursing home residents 65 years of age and over with a chronic mental disorder increased by more than 100 percent, but the number of residents 65 years and over in mental hospitals decreased by 30-40 percent (34). As will be shown in a later section on mental status. mental disorders were highly prevalent among nursing home residents in 1985. The change in distribution of symptoms, signs, and ill-defined conditions is probably a reflection of changes in the coding system used for the 1985 data that resulted from adoption of the International Classification of Diseases, 9th Revision, clinical modification (ICD-9-CM). The ICD-9-CM included signs and symptoms generally considered to be applicable to a specific body system (for example, the digestive system or the circulatory system) in those appropriate chapters rather than the more general chapter 16 (symptoms, signs, and ill-defined conditions).

All-listed diagnoses at time of survey

In the 1985 NNHS, up to eight diagnoses were obtained from the residents' medical records and coded according to the ICD-9-CM. An estimated 4.9 million diagnoses were recorded for the 1,491,400 residents in nursing homes. Figure 3 shows that almost all nursing home residents (98 percent) had one diagnosis or more at the time of survey. The average number of diagnoses was 3.3. Table 9 presents the number of all-listed diagnoses at time of survey for nursing home residents by age and sex. Residents under 65 years of age had fewer diagnoses on the average (2.8) than elderly residents (3.3-3.5). Female residents had more diagnoses on the average (3.4) than male residents (3.2). Table 10 shows that black residents had more diagnoses on the average (3.6) than white residents (3.3). There was no difference in the average number of diagnoses for Hispanic (3.2) and non-Hispanic residents (3.3).

Of the major ICD-9-CM diagnostic classes, diseases of the circulatory system ranked first, accounting for 31 percent

Table G. Percent distribution of nursing home residents by primary diagnostic class at time of survey, according to selected characteristics: United States, 1985

				Age									
				65 years	and ove	<i>r</i>				Paga			
				05	7.5	85		_		Race		Hispar	nic origin
Primary diagnostic class and ICD-9-CM code ¹	Total	Under 65 years	Tota/	65- 74 years	75 84 years	years and over	Male	Sex Female	White	Total	other ———— Black	Hispanic	Non- Hispanic
		<u></u>			·								 _
All antagorina	100.0	100.0	100.0	100.0	100.0	100.0	ercent di 100.0	stribution 100.0	100.0	100.0	100.0	100.0	100.0
All categories	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Chapter 1. Infectious and parasitic													
diseases001-139 Chapter 2. Neo-	0.4	*0.3	0.4	*0.2	*0.8	*0.1	*0.3	*0.4	*0.3	*1.6	*1.8	*0.5	0.4
plasms 140–239	2.3	*1.3	2.5	*2.4	3.2	1.9	3.3	2.0	2.3	*2.9	*3.0	*1.3	2.4
Chapter 3. Endocrine, nutritional, and metabolic diseases, and immunity													
disorders240-279 Chapter 4. Diseases of the blood and blood-	5.5	5.3	5.5	6.7	6.9	3.9	5.0	5.7	5.2	8.4	8.4	*5.0	5.5
forming organs 280–289	0.7	-	0.8	*0.3	*0.9	*0.8	*0.7	0.7	0.7	*0.6	*0.5	_	0.7
Chapter 5. Mental													
disorders 290-319 Chapter 6. Diseases of the nervous system and sense	22.2	44.5	19.2	25.3	20.3	16.1	24.8	21.1	22.3	21.0	20.1	31.5	21.9
organs 320–389 Chapter 7. Diseases of the circulatory	10.5	17.4	9.6	14.5	10.8	6.9	13.2	9.5	10.8	8.1	8.3	*13.8	10.5
system 390-459 Chapter 8. Diseases of	32.6	11.9	35.3	25.5	32.6	41.1	27.3	34.7	32.3	36.2	37.7	29.1	32.7
the respiratory system 460–519 Chapter 9. Diseases of	3.4	*1.7	3.7	6.8	4.2	2.1	5.1	2.8	3.5	*2.1	*2.2	*3.8	3.4
the digestive													
system 520–579 Chapter 10. Diseases of the genitourinary	2.3	*1.5	2.4	*1.5	2.0	3.0	2.0	2.4	2.4	*1.3	*1.4	*1.7	2.3
system 580-629 Chapter 12. Diseases of the skin and sub-	1.7	*1.1	1.8	*1.7	1.7	1.9	2.6	1.4	1.8	*1.5	*1.1	*2.4	1.7
cutaneous tissue 680-709 Chapter 13. Diseases of the musculoskeleta!	0.8	*0.4	0.8	*1.2	*0.5	*0.9	*0.7	0.8	0.8	0.5	*0.3	*0.6	0.8
system and connective tissue 710–739	6.3	*1.2	7.0	4.4	6.2	8.7	4.3	7.2	6.4	5.3	*4.9	*4.1	6.4
Chapter 14. Congenital													
anomalies740–759 Chapter 15. Certain conditions originating in the perinatal	0.4	*2.8	*0.1	*0.5	-	*0.1	*0.5	0.4	0.4	0.2	*0.2	-	0.4
period760–779 Chapter 16. Symptoms, signs, and ill-defined	*0.0	*0.2	•	-	-	-	-	*0.0	*0.0	-	-	-	*0.0
conditions 780-799	4.0	3.9	4.0	4.6	3.8	4.0	3.8	4.1	3.8	5.9	6.0	*1.8	4.1
Chapter 17. Injury and poisoning 800–999 Supplementary	3.5	3.8	3.5	*1.3	2.7	4.9	2.4	3.9	3.6	2.3	*2.1	*1.6	3.6
classifi- cations V01-V82 Unknown	1.1 2.1	*0.8 *1.8	1.2 2.2	*0.9 *2.4	1.2 2.2	1.2 2.1	1.7 2.1	0.9 2.1	1.2 2.1	0.2 2.0	*0.2 *1.8	*2.6	1.2 2.1

¹Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, 9th Revision, clinical modification ²Data include a small number of unknowns.

Table H. Percent distribution of nursing home residents by primary diagnostic class: United States, 1969, 1973-74, 1977, and 1985

Primary diagnostic class ¹	1969²	1973-74 ³	1977	1985
		Percent dist	ribution	<u> </u>
All categories	100.0	100.0	100.0	100.0
Infectious and parasitic				
diseases	3.8	*		0.4
Neoplasms Endocrine, nutritional, and metabolic diseases and	2.2	2.4	•••	2.3
immunity disorders	5.2	4.5		5.5
Diseases of the blood and	3,2	4.5	• • •	5.5
blood-forming organs	0.5	0.7		0.7
Mental disorders	11.1	10.8	18.4	22.2
Diseases of the nervous system and sense			,	
organs	7.6	6.0		10.5
Diseases of the circulatory				
system	39.1	41.9	39.7	32.6
Diseases of the respiratory				
system	2.0	2.1	2.4	3.4
Diseases of the digestive				
system	2.4	1.9		2.3
Diseases of the	4.0	4 =		
genitourinary system Diseases of the skin and	1.2	1.5		1.7
subcutaneous tissue	0.4	0.6		0.0
Diseases of the musculo-	0.4	0.6		0.8
skeletal system and				
connective tissue	6.5	6.8		6.3
Congenital anomalies	0.3	0.3	• • •	0.4
Certain conditions originating	0.0	0.0		0.4
in the perinatal period	*	*	• • •	*
Symptoms, signs, and ill-			• • • •	
defined conditions	10.1	13.6		4.0
njury and poisoning	4.8	4.6		3.5
Jnknown or other				
diagnoses	3.2	1.4	6.9	3.3

¹Diagnostic groupings are based on the International Classification of Diseases.

of all diagnoses. The next most frequent chapter for residents' diagnoses was mental disorders (14 percent), followed by diseases of the nervous system and sense organs (10 percent), diseases of the musculoskeletal system and connective tissue (9 percent), and endocrine, nutritional, and metabolic and immunity disorders (6 percent). Supplementary classifications of the ICD-9-CM accounted for 8 percent of the residents' diagnoses (table J).

Prevalence often refers to the number of existing cases of a disease at a given point in time; this definition of prevalence is usually referred to as point prevalence. Point prevalence of conditions refers to the number of residents with a specific condition rather than the number of these conditions (presented in tables 9 and 10). Because only point prevalence of conditions and impairments were available from previous NNHS's, the remainder of this section on all-listed diagnoses will present point prevalence rates of specific diagnoses for comparability purposes.

Table K presents prevalence rates of selected conditions

from the 1977 and 1985 NNHS's. Prevalence estimates from the 1985 NNHS differ from those obtained in the 1977 NNHS for several reasons. In general, conditions have lower prevalence in the 1985 NNHS than in the 1977 NNHS because of the different methodologies employed by the surveys. The 1985 estimates were based on information written in the medical record, but the 1977 estimates were based on responses to a precoded checklist of conditions. Methodological studies have found that inclusion of a checklist of descriptive condition titles as part of the interview questionnaire increases the probability that respondents will recognize the terms and report those of which they are aware (35). Prevalence of most conditions from 1977 is higher than prevalence from 1985 (table L). For example, the 1977 rates of diabetes, mental retardation, and arthritis or rheumatism per 100 residents are significantly higher than the comparable rates in 1985. Differences also may have occurred because of respondent interpretation of terms shown in the 1977 checklist of conditions. Heart trouble, for example, may not have been interpreted by the 1977 respondents to include all the diagnoses coded under heart disease (shown in table K and included in the 1985 data). Respondent interpretation of the terms "hardening of the arteries" and "stroke" may also have varied with data found in the residents' medical records, the source of the 1985 data on diagnoses. Other differences may result from changes in coding. The 1977 NNHS included precoded lists of conditions based on the Eighth Revision International Classification of Diseases, adapted for use in the United States (36), but the 1985 NNHS data were coded according to the International Classification of Diseases, 9th Revision, clinical modification (37), A major difference between these two classification systems is the expansion of categories in the ICD-9-CM, which resulted in greater specificity and detail of disease. In the previous section on primary diagnoses, a decline from 1969 to 1985 was noted in the percent of residents with a primary diagnosis involving symptoms, signs, and ill-defined conditions; this may have resulted from the change in coding systems used in those data years. In addition to these methodological factors, differences in prevalence rates also may result from changes in types of residents admitted to nursing homes since 1977. As was noted earlier, residents were more functionally dependent in 1985 than in 1977. Thus, the prevalence of diagnoses for these patients also may have changed.

Table 11 presents 1985 point prevalence rates for selected diagnoses according to age and sex. In 1985, the most prevalent diagnosis among nursing home residents was heart disease (37 percent), followed by senile dementia or organic brain syndrome (23 percent), cerebrovascular disease (18 percent), arthritis or rheumatism (18 percent), essential hypertension (16 percent), diabetes mellitus (12 percent), and psychoses other than senile dementia (11 percent). Overall, 60 percent of all nursing home residents were diagnosed with some type of disease of the circulatory system; 41 percent of all residents were diagnosed with some type of mental disorder.

Prevalence of senile dementia or organic brain syndrome, heart disease, and arthritis or rheumatism each increased with age. Rates of fracture of neck of femur (hip fracture) were greater in the group 75 years and over. Excluding senile dementia or organic brain syndrome, prevalence of mental dis-

²Data are from Van Nostrand JF, Sutton JF. Charges for care and sources of payment for residents in nursing homes: United States, June-August 1969. National Center for Health Statistics. Vital Health Stat 12(21), 1973.
³Data are from Ingram DK. Profile of chronic illness in nursing homes. National Nursing Home Survey, United States, August 1973-April 1974. National

Center for Health Statistics. Vital Health Stat 13(29). 1973.

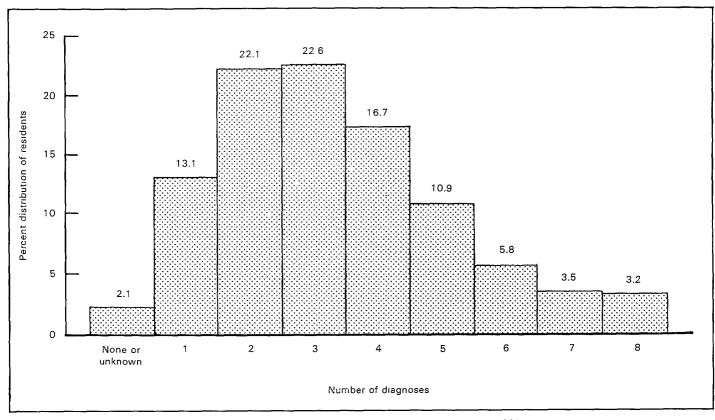


Figure 3. Percent distribution of nursing home residents by number of diagnoses: United States, 1985

orders tended to decrease with age. For example, 17 percent of residents under 65 years were diagnosed with mental retardation, compared with less than 2 percent of residents aged 85 years and over.

Prevalence of certain diagnoses varied by sex. Diagnoses more prevalent among male than female residents included malignant neoplasms, mental retardation, and chronic obstructive pulmonary disease. Diagnoses more prevalent among female than male residents included senile dementia or organic brain syndrome, essential hypertension, heart disease, arthritis or rheumatism, senility without psychosis, osteoporosis, and hip and other fractures. Figure 4 shows prevalence rates for selected diagnoses by age and sex.

Table 12 shows higher prevalence of essential hypertension, cerebrovascular disease, and diabetes mellitus among black than white residents. The higher prevalence of essential hypertension, cerebrovascular disease, and diabetes mellitus among black nursing home residents is consistent with prevalence patterns of these diseases among the elderly noninstitutionalized population. In 1982-84, the prevalence rates of cerebrovascular disease and diabetes among elderly noninstitutionalized black males and females exceeded those found among elderly white males and females (21). Although the prevalence pattern for arthritis or rheumatism was higher among elderly noninstitutionalized black than white persons in 1982-84 (21), the rate of arthritis or rheumatism was higher among white nursing home residents (18 percent) than black residents (12 percent). This discrepancy may be a result of underrecording on the medical records. Because black residents had more diagnoses (3.6, on the average) than white residents (3.3) to record, it may be that the medically ameliorable conditions were recorded and the less serious conditions were either omitted or undiagnosed. This conjecture warrants further research. Although there was an observable difference in prevalence of senile dementia or organic brain syndrome by Hispanic origin, the difference was not statistically significant because of the small sample size of Hispanic residents.

Table L shows prevalence rates of selected diagnoses among the elderly population in nursing homes and in the community. Prevalence estimates for the elderly noninstitutionalized population are annual average estimates from the 1983-85 NHIS's. Chronic conditions, as defined for NHIS, are conditions with a duration of 3 months or more (prior to the interview) or conditions considered chronic regardless of when they began. Compared with the elderly noninstitutionalized population, elderly nursing home residents were more likely to have ischemic heart disease, cerebrovascular disease, and anemias. The disparity in prevalence of these conditions among the elderly in nursing homes and in the community suggests that the presence of these conditions may be associated with an increased chance of institutionalization among the elderly. In contrast, the elderly living in the community had higher prevalence of the less serious conditions of arthritis or rheumatism, hypertension, and cataracts than their counterparts in nursing homes had. It should be noted that the prevalence rates just presented for the noninstitutionalized elderly differ in several ways from those for nursing home residents. The prevalence rates from the 1983-85 NHIS represent the average prevalence of these conditions during a 1-year period; those for nursing homes represent prevalence of conditions among residents on any given day during the survey period. Despite these differences, the data show significant differences in the types of

Table J. Percent distribution of all-listed diagnoses at time of survey, according to selected characteristics of residents: United States, 1985

				Age									
				65 years	and over	-				_			
					7.5	85		_		Race		Hispar	ic origin
All-listed diagnostic class		Under 65	Takal	65– 74	75– 84	years and	Male	Sex Female	White	All o	ther Black	Hispanic	Non- Hispanic ²
and ICD-9-CM code ¹	Total	years	Total	years	years	over	Wate	remate	VVIIILE	- TOTAL	DIBUK	Thopanic	
						P	ercent di	stribution					
All categories	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Chapter 1. Infectious and													
parasitic diseases 001–139	0.4	0.7	0.4	0.7	0.5	0.2	0.4	0.4	0.4	0.9	1.0	*0.2	0.4
Chapter 2. Neo-	1.9	1.5	2.0	2.1	2.2	1.9	2.5	1.7	1.9	2.1	2.2	1.2	2.0
plasms 140–239 Chapter 3. Endocrine,	1.9	1.5	2.0	2.1	2.2	1.5	2.0	1.,	1.5	2	2.2	1.2	2.0
nutritional, and													
metabolic diseases, and immunity													
disorders 240–279	5.9	6.4	5.8	7.7	7.0	4.3	5.6	6.0	5.6	8.7	8.7	6.2	5.9
Chapter 4. Diseases of the blood and blood-													
forming organs 280–289	1.5	*0.9	1.6	1.4	1.4	1.8	1.6	1.5	1.5	1.5	*1.3	*0.9	1.5
Chapter 5. Mental	1.5	0.5											
disorders 290-319 Chapter 6. Diseases of	13.9	26.1	12.6	16.2	13.5	10.6	15.3	13.4	13.9	13.6	13.6	20.7	13.7
the nervous system													
and sense	10.2	17.0	9.5	11.9	9.8	8.5	12.1	9.6	10.3	9.8	10.0	11.2	10.2
organs 320–389 Chapter 7. Diseases of	10.2	17.0	3.5	11.5	3.0	0.5	12.1	3.0	10.0	0.0	10.0		. 0.2
the circulatory system 390–459	30.6	15.3	32.2	26.6	30.6	35.4	27.5	31.8	30.4	32.9	33.9	27.1	30.7
Chapter 8. Diseases of	30.0	10.0	02.2	20.0	00.0	00.1	4.10	• • • • • • • • • • • • • • • • • • • •					
the respiratory system 460–519	3.1	2.5	3.2	4.2	3.5	2.5	4.6	2.5	3.1	2.7	2.4	*3.8	3.1
Chapter 9. Diseases of	3.1	2.0	0.2	7,2	0.0	2.0							
the digestive system 520–579	4.1	3.1	4.1	3.2	4.1	4.5	4.2	4.0	4.2	2.7	2.5	*2.5	4.1
Chapter 10. Diseases of	7.1	0.1		0.2									
the genitourinary system 580–629	2.7	2.3	2.7	2.8	2.7	2.7	3.4	2.4	2.7	2.4	2.0	*3.7	2.6
Chapter 12. Diseases of	2.,	2.0		2.0									
the skin and subcutaneous													
tissue 680–709	1.1	1.3	1.1	1.4	1.0	1.0	1.3	1.0	1.1	*0.8	*0.8	*1.1	1.1
Chapter 13. Diseases of the musculoskeletal													
system and connective								0.7	0.0		6.5	7.0	0.7
tissue 710-739 Chapter 14. Congenital	8.6	4.0	9.1	6.6	8.3	10.6	5.7	9.7	8.8	6.6	6.5	7.9	8.7
anomalies740-759	0.3	1.9	0.2	*0.4	*0.1	*0.1	*0.3	0.3	0.3	*0.2	*0.2	*0.2	0.3
Chapter 15. Certain conditions originating													
in the perinatal								*0.0	*0.0				*0.0
period760–779 Chapter 16. Symptoms,	*0.0	*0.1	-	•	-	-	-	*0.0	*0.0	-	-	•	0.0
signs, and ill-defined					- 0	4.0	E 4	5.4	5.3	6.2	6.5	5.3	5.4
conditions780-799 Chapter 17. Injury and	5.4	7.5	5.2	6.0	5.2	4.8	5.4		5.3				
poisoning800-999	2.0	2.3	2.0	1.0	1.7	2.6	1.5	2.2	2.1	*1.1	*1.1	*1.4	2.0
Supplementary classifi-													
cations V01-V82	7.6	6.7	7.7	7.1	7.8	7.8	8.0	7.4	7.6	7.3	6.7	5.7	7.6

¹Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, 9th Revision, clinical modification. ²Data include a small number of unknowns.

Table K. Prevalence rates per 100 nursing home residents for selected chronic conditions: United States, 1977 and 1985

Chronic condition and ICD-9-CM code ¹	1977	1985
Diseases of the circulatory system	Rate p	er 100 lents
Hardening of the arteries	47.6	7.5
404, 410–429	34.5	36.8
Hypertension	20.9	17.0
Stroke	16.4	18.2
Mental disorders		
Chronic brain syndrome310	24.9	18.4
Mental retardation 317–319	6.1	3.4
Other chronic conditions		
Anemias	5.4	4.7
Arthritis or rheumatism710-716, 729.0	24.6	17.9
Bedsores707.7	2.7	1.0
Cancer	4.9	4.9
Diabetes	14.5	12.4
Hip fracture	8.3	2.6
Other bone fracture 800-819, 821-829	3.6	2.3
Parkinson's disease	4.5	4.7

¹Code number inclusions are based on the International Classification of Diseases, 9th Revision, clinical modification.

Table L. Prevalence rates per 1,000 persons aged 65 years and over in nursing homes and in the community, for selected conditions: United States, 1983–85

Condition	In nursing homes, 1985	In the community, ¹ 1983–85
	Rate per 1	,000 persons
Heart disease	400.1	309.1
Ischemic heart disease	263.5	144.5
Arthritis or rheumatism	197.6	485.4
Cerebrovascular disease	193.3	59.3
Hypertension ²	175.2	403.1
Diabetes mellitus	125.2	95.5
Hardening of the arteries	83.2	83.4
Malignant neoplasms	51.3	43.8
Anemias	50.3	20.6
Cataract	33.4	152.5
Glaucoma	26.4	39.5
Deafness	22.1	34.5
Ulcer of stomach, duodenum, peptic ulcer, or unspecified site	17.4	34.0
Mental retardation	15.7	*1.0
Blindness	13.8	8.1

¹Unpublished average annual rates of selected chronic conditions from the 1983–85 National Health Interview Survey.

conditions found among these two populations of elderly persons.

Mental status

In addition to diagnostic information presented in the preceding sections, information about the prevalence of specific

mental disorders was also collected in the 1985 NNHS (table 13). Overall, 66 percent of all nursing home residents were reported to have at least one of the following conditions: mental retardation, alcohol abuse or dependence, drug abuse or dependence, senile dementia or chronic and organic brain syndrome, depressive disorders, schizophrenia, other psychoses, anxiety disorders, personality or character disorders, or other mental disorders. Thirty-four percent of the residents were reported to have no mental disorders. The most frequently reported mental disorder among residents was senile dementia or chronic and organic brain syndrome (43 percent), followed by depressive disorders (14 percent) and personality and character disorders (11 percent). Prevalence of senile dementia or chronic and organic brain syndrome increased with age, and these conditions were more prevalent among female (46 percent) than male residents (37 percent). There was no difference in the prevalence of senile dementia or chronic and organic brain syndrome by race or Hispanic origin because of the small sample sizes of these cells (table 14). Prevalence of mental retardation, schizophrenia, personality or character disorders, and alcohol abuse or dependence was highest among residents under 65 years and among male residents.

The data on prevalence of mental disorders presented previously differ from prevalence estimates of mental disorders based on all-listed diagnoses coded from the residents' medical records (tables 11-12). For example, 23 percent of nursing home residents were reported to have senile dementia or organic brain syndrome (ICD-9-CM codes 290 or 310) based on alllisted diagnoses, but 43 percent of the residents were reported to have the same diagnoses when information was obtained by showing a flashcard of mental disorders to the nursing home staff respondent. Similarly, prevalence of mental retardation was higher when obtained using the checklist of mental disorders (5 percent) than when based on all-listed diagnoses (3 percent). The difference in these estimates may result from personal knowledge of the staff respondent that is not recorded in the medical record. For a number of reasons, not all diagnoses for residents are recorded in their medical record. For example, Medicaid regulations that restrict the mentally ill population in nursing homes to 50 percent may discourage nursing homes from identifying all patients with a diagnosis involving mental disorders (38). Conditions that may be suspected but not clinically diagnosed may also be omitted from the medical records. Prevalence estimates based on all-listed diagnoses are limited to information written in the medical record.

Several measures related to mental status, including disorientation or memory impairment, behavioral problems, and disturbance of mood, were also collected in the 1985 NNHS. Disorientation or memory impairment was defined as inability to do at least one of the following activities: remember dates or time, identify familiar locations or people, recall important aspects of recent events, or make straightforward judgments. In 1985, 62 percent of nursing home residents were disoriented or memory impaired to such a degree that performance of the basic activities of daily living, mobility, and performance of other tasks were impaired nearly every day. Disorientation or memory impairment may result from a variety of causes, including medication side effects, stroke-related aphasia, and

²Includes International Classification of Diseases, 9th Revision, clinical modification codes 401–405.

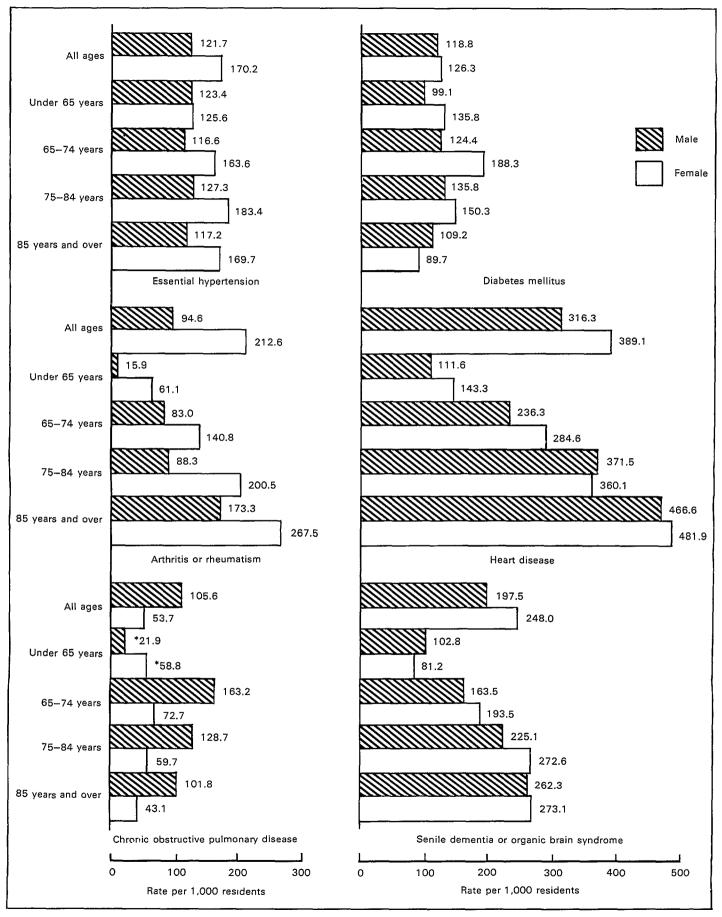


Figure 4. Prevalence rates per 1,000 nursing home residents for selected diagnoses at time of survey, by age and sex: United States, 1985

several other diagnoses. Disorientation or memory impairment was highest among residents 85 years of age and over and was more common among female residents (63 percent) than male residents (59 percent). Table M shows that senile dementia or chronic and organic brain syndrome (based on the checklist of mental disorders) is highly associated with disorientation or memory impairment; 61 percent of residents who were disoriented or memory impaired were also reported to have senile dementia or chronic and organic brain syndrome. Other mental disorders among disoriented or memory-impaired residents ranged from 1 to 16 percent. Eighteen percent of disoriented or memory-impaired residents were reported to have no mental disorders.

Thirty-eight percent of the residents were reported to have one or more of the following behavioral problems: disrobing or exposing oneself, screaming, being physically abusive to self or others, stealing, getting lost or wandering into unacceptable places, or inability to avoid simple dangers. The presence of behavioral problems was also highly associated with senile dementia or chronic and organic brain syndrome. Sixty-five percent of residents with behavioral problems were also reported to have senile dementia or chronic and organic brain syndrome, 20 percent were reported to have anxiety disorders, and 20 percent were reported to have personality or character disorders. Disturbance of mood (displays depression, anxiety, fearfulness, or worry) was reported for 42 percent of nursing home residents. Disturbance of mood was more common among female (44 percent) than male residents (38 percent) and was

more common among Hispanic (54 percent) than non-Hispanic residents (42 percent). Senile dementia or chronic and organic brain syndrome was reported to be present for half of the residents with disturbance of mood. Depressive disorders and anxiety disorders were reported for 26 and 27 percent, respectively, of the residents with disturbance of mood. Overall, residents reported to have behavioral problems, disorientation or memory impairment, or disturbance of mood at the time of interview were highly likely (80–87 percent) to also have some type of mental disorder, underscoring the increasing role of nursing homes in caring for the chronically mentally ill (34). Cognitive impairment and behavioral problems have been cited as reasons for nursing home admission (10,30,39,40).

Cognitive impairment and behavioral patterns have also been cited as indicators of service needs within nursing homes (41). As figure 5 shows, residents with behavioral problems, disorientation or memory impairment, and disturbance of mood tend to have more dependencies in the ADL's, on the average, than residents without these conditions. As a rule, residents reported to have at least one mental disorder (from the checklist of mental disorders) had more ADL dependencies, on the average 4.0, than residents with no reported mental disorders, 3.3 (6).

Regardless of the measures used to identify the chronically mentally ill in nursing homes, mental disorders and cognitive impairments are highly prevalent among the nursing home resident population.

Table M. Number of nursing home residents and percent distribution by current mental disorders, according to presence of behavioral problems, disorientation or memory impairment, or disturbance of mood: United States, 1985

Current mental disorders	All residents	Behavioral problems	Disorientation or memory impairment	Disturbance of mood
			Number	
Total	1,491,400	572,600	922,500	623,700
		Perce	nt distribution	
Total	100.0	100.0	100.0	100.0
Has no mental disorders ¹	34.2	13.0	18.4	20.0
Has mental disorders ²	65.8	87.0	81.6	80.0
Mental retardation	5.4	7.2	6.4	4.6
Alcohol abuse or dependence	2.8	3.3	2.6	3.1
Drug abuse or dependence	0.9	*0.8	0.7	1.5
Senile dementia or chronic organic brain syndrome	43.4	65.0	61.3	50.2
Depressive disorders	13.8	15.6	14.8	26.4
Schizophrenia	5.7	7.6	6.7	7.5
Other psychoses	2.3	4.0	2.9	4.3
Anxiety disorders	13.5	20.1	15.8	26.8
Personality or character disorders	11.0	19.7	14.1	18.2
Other mental disorders	0.4	*0.2	*0.5	*0.3

¹Data include a small number of unknowns.

²Resident may have had more than 1 mental disorder

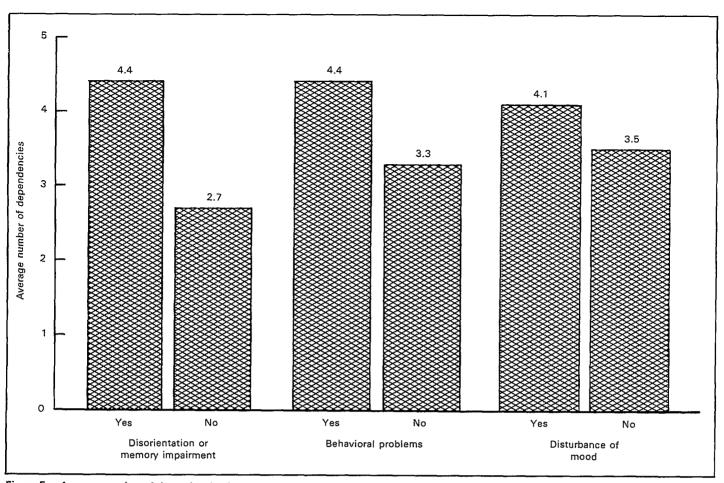


Figure 5. Average number of dependencies in activities of daily living for nursing home residents, by presence of disorientation or memory impairment, behavioral problems, or disturbance of mood: United States, 1985

Prior nursing home and hospital utilization

Living arrangements prior to admission

Table N shows that, in 1985, the most frequent location from which residents were admitted was a general or short-stay hospital (37 percent), followed by a private residence (35 percent), another nursing home (12 percent), and another health facility other than a hospital, nursing home, or mental hospital (7 percent). The percent of residents transferred from a shortstay hospital in 1985 is higher than the comparable percent in 1977 (32 percent). There was also an increase in the percent of residents admitted from another health facility, from 4 percent in 1977 to 7 percent in 1985. This latter finding, however, may be related to changes in question alternatives in the latter survey. In 1985, there were more question alternatives relating to mental health facilities, including facilities for the mentally retarded, general or short-stay psychiatric units, and mental health centers in addition to mental hospitals. Overall, 5 percent of the residents were admitted from some type of mental facility in 1985 (table 15); this figure was not statistically different from the proportion of residents admitted from a mental hospital in 1977 (6 percent).

Although there was an increase in the percent of residents transferred from a short-stay hospital or other health facility, there was a decline in the percent of residents admitted from a private residence and from mental hospitals since 1977. In 1985, 35 percent of residents were admitted from a private residence, compared with 37 percent in 1977. There was no difference from 1977 to 1985 in the percent of residents admitted

Table N. Percent distribution of nursing home residents and average length of stay since admission by living arrangement prior to admission: United States, 1977 and 1985

Living arrangement prior to admission	1977	1985	1977	1985
		cent oution	-	e length in days
Total	100.0	100.0	958	1,059
Private residence	37.2	34.5	1,075	1,158
Semiprivate residence	3.1	3.5	907	1,036
Another nursing home	12.5	12.2	815	1,044
General or short-stay				
hospital ¹	32.3	37.4	664	778
Mental hospital	5.9	2.5	1,650	2,660
Other health facility	3.5	6.7	1,123	1,255
Unknown or other				
arrangement	5 5	3.2	1,399	1,688

¹Psychiatric units are excluded.

from a semiprivate residence (boarding home, rented room, or retirement center) or a nursing home.

The shift in admitting location for nursing home residents toward short-stay hospitals in 1985 may be related to the introduction of Medicare's prospective payment system in 1983-84. Under this payment system, hospitals are reimbursed a preestablished amount based on the Medicare patient's condition as classified by the diagnosis-related group. Because the prospective payment system gives hospitals strong incentives to limit costs incurred by Medicare patients, hospitals are discharging patients after shorter hospital stays. From 1982 to 1985, the percent of elderly persons discharged from short-stay hospitals to long-term care institutions increased from 8 to 11 percent; the average hospital stay for these patients decreased from 15.8 days in 1982 to 12.9 days in 1985 (7). Table N shows that the average nursing home stay for residents admitted from short-stay hospitals increased from 1.8 years in 1977 to 2.1 years in 1985. It has also been found that elderly residents transferred from short-stay hospitals in 1985 were more functionally dependent in the ADL's than a comparable population of nursing home residents in 1977 (7).

The longer stays of residents transferred from short-stay hospitals to nursing homes contributed to the overall longer stays in nursing homes in 1985, but residents admitted from mental hospitals and other nursing homes had even greater impact on the average nursing home stay. Table N shows that, from 1977 to 1985, the average nursing home stay increased 61 percent (from 4.5 to 7.3 years) for residents admitted from mental hospitals, and increased 28 percent (from 2.2 to 2.9 years) for residents transferred from another nursing home. In contrast, the average stay for residents transferred from short-stay hospitals increased only 17 percent.

The average stay for residents admitted from any mental facility in 1985 was longer (6.1 years on the average) than that for residents admitted from a mental hospital (4.5 years) in 1977 (6). For residents with the remaining living arrangements prior to admission, there was no change in the average length of nursing home stay.

In 1985, elderly residents were more likely to be admitted from short-stay hospitals (39 percent) than residents under 65 years were (27 percent). Overall, female residents were more likely to be admitted from a short-stay hospital than male residents (39 compared with 33 percent). Female residents also were more likely to be admitted from a short-stay hospital in all age groups 65 years and over (table 15). Black residents were more likely than white residents to be admitted from a

short-stay hospital (48 percent, compared with 37 percent of white residents). The higher percent of female and black residents admitted from hospitals is consistent with their generally more dependent functional status, described earlier. Figure 6 shows that residents admitted from short-stay hospitals were more functionally dependent in the ADL's than residents admitted from other locations. It was shown in a previous report that the average monthly charge was higher for residents admitted from short-stay hospitals (\$1,627) than for residents admitted from other locations (\$1,194–1,376) (6). There was no difference in the percent of residents admitted from short-stay hospitals by Hispanic origin (table 16).

Younger residents were more likely to be admitted from some type of mental facility (20 percent) than were elderly residents (3 percent). Male residents were more likely to be admitted from a mental facility (8 percent) than were female residents (4 percent). Divorced or separated (10 percent) and never married residents (14 percent) also were more likely to be admitted from a mental facility than married (3 percent) and widowed residents (2 percent).

Thirty-eight percent of residents were admitted from a private or semiprivate residence; 14 percent had lived alone prior to admission, 19 percent had lived with family members, and 3 percent had lived with persons who were not family members. The percent of residents living alone prior to admission increased with age. Female residents were more likely to

have lived alone (15 percent) than male residents (10 percent). White residents were more likely to have lived alone (14 percent) than black residents (6 percent). There was no difference in the percent of residents living alone prior to admission by Hispanic origin. Of all marital statuses, widowed residents were most likely to have lived alone (17 percent compared with 2–10 percent for residents in the remaining marital statuses). On the other hand, residents who were married were more likely to have lived with family members (34 percent) than any of the remaining marital statuses (11–17 percent).

Prior nursing home use and hospitalizations while still a resident

In the 1985 NNHS, information about the residents' prior use of nursing homes (excluding the current admission) was collected for the first time. In 1985, 38 percent of nursing home residents had previous nursing home stays in either the sample facility or some other nursing home. This estimate is comparable with the percent of nursing home residents with prior institutionalizations (37 percent) reported by next of kin in the 1976 Survey of Institutionalized Persons (42). In 1985, 22 percent had previous admissions in the sample facility and 19 percent had previous stays in some other nursing home (table 17). The sum of the percents of residents with previous stays in the sample facility and in other nursing homes exceeds the per-

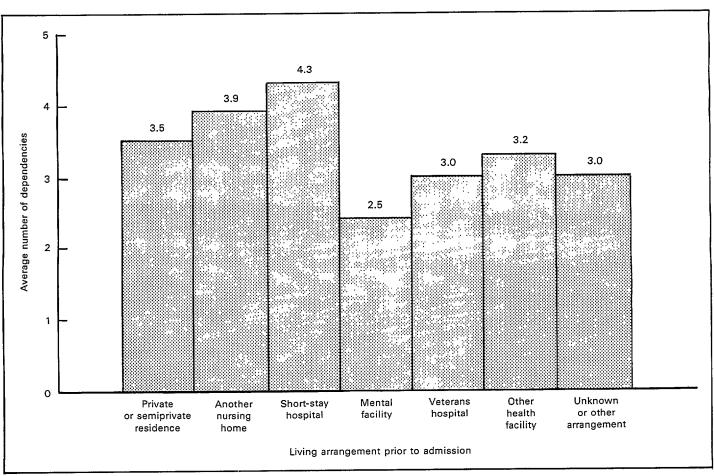


Figure 6. Average number of dependencies in activities of daily living for nursing home residents, by living arrangement prior to admission: United States, 1985

cent of residents with *any* previous nursing home stay because some residents may have had previous nursing home stays at both locations. The percent of residents with any previous nursing home stays did not vary by age, sex, or race.

It should be pointed out that although the overall percent of nursing home residents in 1985 with prior institutionalizations in any nursing home is similar to that reported in 1976, there was an increase in the percent of residents with previous admissions in the sample facility. As reported by nursing home staff in the 1976 Survey of Institutionalized Persons, 13 percent of nursing home residents had previous admissions to the sample facility compared with 22 percent reported in 1985.

In the last several years, increasing attention has been focused on the role that hospitals share with nursing homes in the care of the elderly. Shapiro and Tate, for example, found increased chances of nursing home placement after a hospital stay during 2½- and 7-year study periods (30). Medicare policies have largely influenced hospitals' becoming a major gateway to nursing homes (43). In 1964, the year before Medicare began, only 12 percent of nursing home residents were admitted from short-stay hospitals. By 1973-74, 35 percent of nursing home residents were admitted from short-stay hospitals (27). In 1985, hospitals were the admitting location for 37 percent of all nursing home residents. This shift in admission location for nursing home residents occurred because Medicare pays for care in facilities certified as skilled nursing facilities only if a patient has been recently discharged from a hospital (within 30 days) after a stay of 3 days or more. (Medicare requirements for coverage will be discussed in more detail in the section on "Primary source of payment at admission and in month before interview").

Once in a nursing home, some residents are frequently "shuttled" to hospitals for acute care services and then returned to the nursing home. Several studies have found that prior

nursing home residence for hospital patients was associated with a very high probability of continued institutionalization (39,44). Lewis, Cretin, and Kane also found that transfers between hospitals and nursing homes (in both directions) occurred in 54 percent of first-time admissions to nursing homes in the 2-year period following admission (43). At the national level, table O confirms this pattern of hospitalizations during the course of a nursing stay. Of the 558,900 residents with previous stays in nursing homes, 253,900, or 45 percent, were hospitalized (admitted from a short-stay hospital) and then entered a nursing home again (either readmission to the same facility or admission to another facility). This pattern of a hospital admission and subsequent nursing home readmission was more common among residents with previous stays in the sample facility (68 percent) than among residents with previous stays in another nursing home (23 percent). This finding, however, may reflect lack of information rather than differences in transfer patterns.

Nursing homes vary in their discharge policies when a nursing home resident requires hospitalization. Some nursing homes discharge a resident to the hospital. After the hospital stay, the patient may be readmitted to the same nursing home or admitted to another. Other nursing homes hold a bed for the resident during the hospital stay. Information about hospitalizations that occurred while the patient still was a resident (that is, hospitalizations without a formal discharge from the nursing home) was also collected in the 1985 NNHS. Overall, 319,800, or 21 percent, of all nursing home residents were hospitalized since their current admission. These residents differ from the 253,900 residents who were transferred to a hospital from a nursing home and then readmitted only in that a bed was held for them while hospitalized. These two groups of nursing home residents with hospitalizations during their nursing home stays are basically distinct groups. Figure 7 shows

Table O. Average length of stay since admission of nursing home residents and percent distribution by whether admitted from a short-stay hospital, according to prior nursing home and hospital utilization: United States, 1985

Prior nursing home and hospital utilization	All residents	Admitted from short- stay hospital	Not admitted from short-stay hospital	Average length of stay		
		Percent distribution				
Total	100.0	37.4	62.6	1,059		
Other stays in any nursing home						
Yes	100.0	45.3	54.7	817		
No or unknown	100.0	32.6	67.4	1,204		
Previous stays at sample facility						
Yes	100.0	67.5	32.5	616		
No or unknown	100.0	28.9	71.1	1,183		
Stays at other nursing homes						
Yes	100.0	22.7	77.3	1,003		
No or unknown	100.0	40.8	59.2	1,072		
Hospital stays while a resident in sample facility						
Yes	100.0	24.8	75.2	1,603		
No or unknown	100.0	40.8	59.2	910		

NOTE: Figures may not add to totals because of rounding.

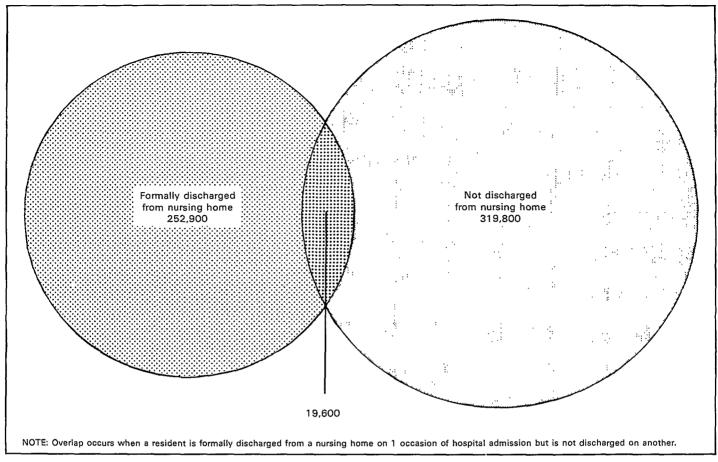


Figure 7. Number of residents hospitalized subsequent to admission to a nursing home, by whether hospitalization was accompanied by a formal discharge from the nursing home: United States, 1985

that the overlap in number of residents who could be classified in both groups was only 3 percent. If the unduplicated numbers of residents in these two groups of hospitalized patients are combined, it can be seen that 553,300, or 37 percent, of all residents had at least one hospital stay since first entering a nursing home.

Unlike the pattern for residents with previous nursing home stays who were hospitalized and subsequently readmitted, there were differences in patterns of hospitalizations during the current stay by age and race. Elderly residents were more likely to be hospitalized while still a resident (22 percent) than younger residents (15 percent). White residents were more likely to be hospitalized during their nursing home stay (22 percent) than black residents (15 percent).

The average length of stay presented in this report is the number of days in the facility since admission up to the day of the survey. For residents with previous stays in any nursing home, the average length of stay reported is an underestimate of the total time that the resident has spent in any nursing home because information about length of stay during previous nursing home stays is not included. This may explain, in part, the significantly shorter average nursing home stays of residents with any previous nursing home stay (2.2 years) compared with residents without any previous nursing home stay (3.3 years). The average length of stay since admission for residents hospitalized since their current admission was significantly longer (4.4 years) than that of residents with previous nursing home stays (2.2 years).

Primary source of payment at admission and in month before interview

Changes in payment source

At the time of admission, most nursing home residents relied primarily on their own income or family support to pay for care (48 percent). The second most common primary source of payment at admission was Medicaid (41 percent). Seven percent of the residents relied on other government assistance or welfare, religious organizations, volunteer agencies, Veterans Administration contracts, initial payment—life care funds, or no-charge arrangements to pay for care. Only 5 percent relied on Medicare as their primary source of payment at admission.

By the month before the survey, Medicaid was the most frequent primary source of payment used by residents (50 percent); 42 percent relied on their own income or family support for primary payment and 1 percent relied on Medicare for primary payment (table P).

The greatest proportionate shifting of the primary source of payment toward Medicaid occurred among residents who used Medicare as their primary source of payment at admission. By the month before the survey, 43 percent of residents relying on Medicare for primary payment at admission had shifted to Medicaid as their primary source of payment. In contrast, only 19 percent of residents who originally relied on their own income or family support and 15 percent of residents relying on all other sources for payment had shifted to Medicaid as their primary source of payment by the month before the survey.

The shifting of Medicare to Medicaid as the primary source of payment is a necessity for many nursing home residents

because of the limitations of benefits and stringent requirements for coverage under the Medicare skilled nursing care program in 1985. Medicare covered the first 100 days in a facility certified as a skilled nursing facility (SNF) for Medicare beneficiaries hospitalized before admission. To qualify for Medicare's SNF benefit, the patient needs to be certified by a physician as needing daily skilled nursing care or related rehabilitative services that, as a practical matter, can be provided only on an inpatient basis in an SNF. In addition, the patient must be admitted for further treatment of a condition for which he or she was hospitalized, with a stay of at least 3 days. Admission to the SNF must occur within 30 days of discharge from the hospital. In addition to those level-of-care requirements, coverage of SNF benefits applies only as long as all level-of-care requirements are met. Thus, many patients admitted under the Medicare SNF benefit may have to switch to other payment sources during their stay in a nursing home because Medicare coverage terminates after these requirements are not met. In 1980, the average number of days covered by Medicare in an SNF was only 30 days (45). In contrast, the average stay for all nursing home residents in 1985 was 2.9 years. Because of the limited coverage of SNF Medicare benefits and the stringent level-of-care requirements necessary to qualify for coverage, utilization of Medicare in nursing homes in 1985 was low.

Table 18 shows that residents relying on Medicare for primary payment in the month before the survey tended to be recently admitted to the facility. Eighty percent of residents relying on Medicare were admitted from a short-stay hospital and 76 percent had been a resident in the facility for less than 3

Table P. Number and percent distribution of nursing home residents by primary source of payment in month before interview, according to primary source of payment at admission: United States, 1985

			Prima	ary source o	f payment i	n month b	efore inter	view		
Primary source of payment at admission	All sources	Own income or family support	Medicare	Medicaid	All other sources	All sources	Own income or family support	Medicare	Medicaid	All other
			Number				Pe	rcent distrib	ution	
All sources	1,491,400	620,800	20,900	751,300	98,500	100.0	41.6	1.4	50.4	6.6
Own income or family support Medicare Medicaid All other sources ¹	712,500 71,500 605,800 101,700	557,400 22,800 29,000 11,600	*3,000 16,700 *1,200	134,600 31,000 570,000 15,600	17,600 *900 *5,600 74,400	100.0 100.0 100.0 100.0	78.2 31.9 4.8 11.4	*0.4 23.4 *0.2	18.9 43.4 94.1 15.4	2.5 *1.3 *0.9 73.2

¹Includes other government assistance or welfare; religious organizations; foundations, volunteer agencies; Veterans Administration contract; initial payment—life care funds; and other sources or no charge.

NOTE: Numbers may not add to totals due to rounding.

Table Q. Number of nursing home residents with non-Medicaid primary source of payment at admission and percent shifting to Medicaid in month before interview, by length of stay since admission: United States, 1985

	Residents with non-Medicaid	R	esidents shiftin in month befoi		
Length of stay since admission	primary source of payment at admission	Total	Skilled care	Intermediate care	
	Number		Perce	nt	
Total	885,700	20.5	7.3	13.2	
Less than 3 months	131,400	*3.2	*0.6	*2.6	
3 months to less than 6 months	90,300	13.1	7.3	5.8	
6 months to less than 12 months	131,000	18.0	7.6	10.4	
1 year to less than 3 years	273,200	23.9	8.7	15.2	
3 years to less than 5 years	118,400	27.0	7.2	19.8	
5 years or more	141,400	31.5	10.7	20.9	

months. In contrast to Medicare coverage in skilled nursing homes, the Medicaid skilled nursing and intermediate care programs have no limitations on length of stay for coverage. Only 24 percent of Medicaid residents had been in the facility for less than 3 months, and the average length of stay for these residents was 3.4 years. The average length of stay for Medicare residents in the month before the survey was 0.5 year. (This figure exceeds 100 days because it includes residents who may have switched to Medicare from an admission payment source other than Medicare by the time of the survey.)

In 1985, there were 885,700 residents relying on payment sources other than Medicaid for primary payment at admission (table Q). By the month before the survey, 21 percent had shifted to Medicaid as primary source of payment; 7 percent received SNF services and 13 percent received intermediate care facility services primarily funded by Medicaid. The percent of non-Medicaid residents at admission who shifted to Medicaid for primary payment by the month before the interview increased with increasing lengths of stay. The percent of non-Medicaid residents shifting to Medicaid was 13 percent among residents in the facility 3 months to less than 6 months, compared with 32 percent among residents in the facility 5 years or more.

Average monthly charge and average number of activities of daily living dependencies

Table R presents the average monthly charge for care by primary source of payment in the month before interview. Residents relying on Medicare for primary payment had the highest average monthly charge (\$2,141), followed by that for Medicaid residents receiving skilled nursing care (\$1,898), residents relying on their own income or family support (\$1,450),

Table R. Average monthly charge of nursing home residents and average number of dependencies in activities of daily living, by primary source of payment in month before interview: United States, 1985

Own income or family support	Average monthly charge	Average number of dependencies
All sources	\$1,456	3.8
Own income or family		
support	1,450	3.7
Medicare	2,141	4.5
Medicaid	1,504	4.0
Skilled care	1,898	4.6
Intermediate care	1,292	3.8
welfare	863	1.9
All other sources	1,099	2.3

and Medicaid residents receiving intermediate care (\$1,292). Residents relying on other government assistance or welfare (\$863) and all other payment sources (\$1,099) had lower average monthly charges. The average monthly charge for all Medicaid residents (\$1,504) was not statistically different from that for residents relying on their own income or family support (\$1,450). The higher charge for Medicare residents was associated with greater care needs, as indicated by the average number of ADL dependencies. The average number of ADL dependencies was greater for Medicare and Medicaid residents (on the average, 4.5 and 4.0 ADL dependencies, respectively, compared with 2.3-3.7 ADL dependencies for residents with the remaining payment sources). The average number of ADL dependencies for Medicaid residents overall (4.0 dependencies) was significantly greater than the average for residents relying on their own income or family support (3.7 dependencies).

Conclusions

Several utilization measures for nursing home residents in 1985 are examined in this report by the major demographic characteristics of age, sex, race, and Hispanic origin. Trends in nursing home use are also examined. As measured by the number of residents per 1,000 population, the rate of residency in nursing homes increased with age and, in general, was lower for males than females and lower for persons of black or other races than for white persons. When age, sex, and race were considered jointly, elderly white females had the highest rates of residency of the four age-sex groups. At 85 years of age and over, 259 of every 1,000 white females resided in nursing homes, compared with 163 of every 1,000 black females, 151 of every 1,000 white males, and 96 of every 1,000 black males of the same age. In 1985 the percent of elderly residents of Hispanic origin in nursing homes (3 percent) was comparable with that found in the elderly noninstitutionalized population.

The average number of dependencies in the activities of daily living (ADL), used as a measure of case mix, was found to increase with age and was greater for female than male residents. The average number of ADL dependencies was also greater for black than white residents but did not vary by Hispanic origin. The average number of ADL dependencies was also greater for residents admitted from short-stay hospitals and for residents relying on Medicare or Medicaid for primary payment in the month before the survey. The poor functional status of nursing home residents at the time of admission was a reason for admission for 74 percent of the residents, according to their next of kin.

The average length of stay in the nursing home tended to be longer for residents under 65 years than for elderly residents. The average nursing home stay was also longer for never married residents and for residents admitted from mental facilities. Average length of stay did not vary, however, by sex, race, or Hispanic origin.

There were no statistically significant differences in the average monthly charge by sex, race, or Hispanic origin. Residents under 75 years had lower average monthly charges than residents aged 75 years and over. The average total monthly charge varied by the residents' functional status. Residents with 4 to 6 ADL dependencies had significantly higher average monthly charges than residents with fewer ADL dependencies. Residents relying on Medicare as their primary source of payment in the month before the survey also had higher charges than residents relying on payment sources other than Medicare.

The average charge for residents relying on Medicaid for primary payment in the month before the survey was not statistically different from that for residents relying on their own income or family support, even though they were more dependent in ADL activities (on the average, 4.0 dependencies compared with 3.7 dependencies for residents relying on their own income or family support).

In addition to the utilization patterns of residents in 1985, several trends in nursing home use since 1973 are also examined. First, from 1973 to 1985, a decline in the rate of nursing home residency was noted for the population aged 85 years and over. but the rate of residency remained stable at about 5 percent for the population aged 65 years and over. The decline in nursing home use by those 85 years and over, the age group among the elderly that has the heaviest use of nursing homes, may be related to the tight supply of nursing home beds and increasing use of home care services during this time. From 1973 to 1985, the supply of nursing home beds increased 38 percent, while the population 85 years and over increased 69 percent. According to a prospective study of incident home care use in Massachusetts, use of home care services was 12 times higher among those aged 85 years and over than those aged 65-74 years (18). Further research is needed to investigate this trend.

A second trend noted in this report was the increasing prevalence of mental disorders among the nursing home resident population. In 1969, 11 percent of the residents had a primary diagnosis involving mental disorders; in 1985, the comparable proportion was 22 percent. In 1985, 66 percent of the residents were reported to have one mental disorder or more, and 62 percent were reported to be disoriented or memory impaired.

Finally, it was found that the nursing home resident population was more dependent in ADL's in 1985 than in 1977. The average number of ADL dependencies for residents in 1985 was 3.9, compared with 3.5 in 1977. At least part of this change may result from a nationwide trend toward earlier hospital discharge subsequent to the introduction of Medicare's prospective payment system in 1983–84 (7). Other factors, however, may also account for this change, such as increased use of alternative services or improved medical management of chronic conditions that prolong the life expectancy for the chronically ill. The reasons for this change also require further research.

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Table 1. Number and percent distribution of nursing home residents by marital status, race, and Hispanic origin, according to sex and age: United States, 1985

			Maritai	status			Race		Hisnar	nic origin
Sex and age	Total	Married	Widowed ¹	Divorced or separated	Never married	White	All other	Black	Hispanic	Non- Hispanic ¹
Both sexes					Num	her				
All ages	1,491,400	188,200	914,800	117,000	271,400	1,374,600	116,800	104,400	41,000	1,450,400
Under 65 years. 65 years and over 65–74 years. 75–84 years. 85 years and over	173,100 1,318,300 212,100 509,000 597,300	19,800 168,400 42,500 78,700 47,200	20,900 894,000 81,700 327,700 484,600	38,800 78,200 30,600 34,500 13,200	93,600 177,800 57,300 68,200 52,300	147,200 1,227,400 187,800 473,600 566,000	25,900 91,000 24,300 35,400 31,300	22,300 82,000 22,500 30,600 29,000	*5,700 35,300 8,800 12,600 13,900	167,400 1,283,000 203,200 496,400 583,400
Male										
All ages	423,800	103,800	141,100	57,200	121,700	377,100	46,700	40,600	17,200	406,600
Under 65 years. 65 years and over 65–74 years. 75–84 years. 85 years and over	89,300 334,400 80,600 141,300 112,600	9,600 94,100 21,100 41,800 31,300	*5,400 135,700 14,100 56,100 65,500	21,500 35,700 17,600 13,900 *4,200	52,800 68,900 27,900 29,500 11,500	73,900 303,200 70,600 127,900 104,800	15,400 31,200 10,000 13,400 7,800	13,800 26,800 8,900 11,700 6,200	*4,100 13,100 *3,700 *4,600 *4,800	85,200 321,400 76,800 136,700 107,800
Female										
All ages	1,067,700	84,500	773,800	59,700	149,700	997,500	70,200	63,800	23,800	1,043,900
Under 65 years	83,800 983,900 131,500 367,700 484,700	10,200 74,200 21,500 36,900 15,900	15,500 758,300 67,600 271,600 419,100	17,300 42,400 13,000 20,500 8,900	40,800 108,900 29,400 38,800 40,700	73,400 924,100 117,200 345,700 461,200	10,400 59,700 14,300 22,000 23,500	8,500 55,200 13,500 18,900 22,800	*1,600 22,200 *5,100 8,000 9,100	82,200 961,700 126,400 359,700 475,600
Both sexes					Percent di	stribution				
All ages	100.0	12.6	61.3	7.8	18.2	92.2	7.8	7.0	2.7	97.3
Under 65 years	100.0 100.0 100.0 100.0 100.0	11.5 12.8 20.1 15.5 7.9	12.1 67.8 38.5 64.4 81.1	22.4 5.9 14.4 6.8 2.2	54.1 13.5 27.0 13.4 8.8	85.1 93.1 88.5 93.0 94.8	14.9 6.9 11.5 7.0 5.2	12.9 6.2 10.6 6.0 4.9	*3.3 2.7 4.2 2.5 2.3	96.7 97.3 95.8 97.5 97.7
Male										
All ages	100.0	24.5	33.3	13.5	28.7	89.0	11.0	9.6	4.1	95.9
Under 65 years. 65 years and over 65–74 years. 75–84 years. 85 years and over	100.0 100.0 100.0 100.0 100.0	10.8 28.1 26.1 29.6 27.8	6.0 40.6 17.5 39.7 58.2	24.1 10.7 21.8 9.9 *3.8	59.2 20.6 34.6 20.9 10.2	82.7 90.7 87.6 90.5 93.1	17.3 9.3 12.4 9.5 6.9	15.4 8.0 11.1 8.3 5.5	*4.6 3.9 *4.6 *3.3 *4.2	95.4 96.1 95.4 96.7 95.8

See footnote and note at end of table.

Table 1. Number and percent distribution of nursing home residents by marital status, race, and Hispanic origin, according to sex and age: United States, 1985—Con.

			Maritai	status			Race		Hispan	nic origin
Sex and age	Total	Married	Widowed ¹	Divorced or separated	Never married	White	All other	Black	Hispanic	Non- Hispanic ¹
Female		<u>-</u>			Percent dist	tribution				
All ages	100.0	7.9	72.5	5.6	14.0	93.4	6.6	6.0	2.2	97.8
Under 65 years	100.0	12.2	18.5	20.6	48.7	87.6	12.4	10.2	*1.9	98.1
65 years and over	100.0	7.5	77.1	4.3	11.1	93.9	6.1	5.6	2.3	97.7
65-74 years	100.0	16.3	51.4	9.9	22.4	89.1	10.9	10.3	*3.9	96.1
75-84 years	100.0	10.0	73.9	5.6	10.5	94.0	6.0	5.1	2.2	97.8
85 years and over	100.0	3.3	86.5	1.8	8.4	95.2	4.8	4.7	1.9	98.1

¹Data include a small number of unknowns.

NOTE: Figures may not add to totals because of rounding.

Table 2. Number and rate per 1,000 population of nursing home residents, by race, sex, and age: United States, 1973-74, 1977, and 1985

Female: Under 65 years 55,800 85,300 73,400 0.7 1.0 65 years and over 669,800 787,300 924,100 57.8 60.9 65-74 years 91,000 118,100 117,200 13.4 15.7 75-84 years 272,200 327,400 345,700 71.9 78.7 All other Both sexes: Under 65 years 12,600 21,700 25,900 0.5 0.8 65 years and over 40,900 66,100 91,000 21.6 30.0 65-74 years 13,000 23,800 24,300 10.6 17.0 75-84 years 15,200 21,500 35,400 28.0 33.5 85 years and over 12,800 20,800 31,300 100.5 130.0 Male: Under 65 years 6,400 11,200 15,400 0.5 0.9 65 years and over 14,900 21,400 31,200 18.2 22.9 <tr< th=""><th></th><th>•</th><th></th><th>Residen</th><th>nts</th><th></th><th></th></tr<>		•		Residen	nts		
Both saves:	Race, sex, and age	1973-741	1977	1985	1973-741,2	1977 ²	1985²
Under 65 years	All races ³		Number		Rate per	1,000 popula	ation
66 years and over 961,500 1,126,000 212,100 12.3 (6.0 to 1.2 to 1	Both sexes:		·				
65-74 years. 163,100 211,000 509,000 57,7 64.0 75-84 years. 384,900 444,700 509,000 57,7 64.0 75-84,00 Male: Unrer 65 years and over 413,600 449,900 597,300 267,3 225,9 Male: Unrer 65 years and over 26,000 313,000 30,0 30,0 30,0 30,0 30,0 30			177,100	173,100	0.6	0.9	0.8
75-84 years. 384,900 449,700 509,000 57.7 64.0 85 years and over 413,600 449,900 597,300 257.3 225.9 Malet: Under 65 years . 252,400 81,300 89,300 0.6 0.8 65 years and over 265,700 121,200 141,600 130,300 30.3 30.3 85 years and over 169,800 81,200 141,600 130,300 82,4							46.2
85 years and over						14.4	12.5
Male: Under 65 years and over	· ·		·	•			57.7
Under 65 years	·	413,600	449,900	597,300	257.3	225.9	220.3
65 years and over 255,700 294,000 334,400 30.0 30.3 65-74 years. 66.100 80.200 80.600 11.3 12.6 75-84 years. 102,300 122,100 141,300 39.9 44.9 85 years and over 98,300 91,700 112,600 182.7 146,3 remale: Under 65 years 61.900 95,800 83,800 0.6 1.0 65 years and over 89,800 315,00 383,900 54.9 58.6 85-74 years. 282,800 312,00 313,500 13.1 15.8 75-84 years. 282,800 315,00 382,000 864,700 294.3 762,4 years. 282,800 315,00 382,000 484,700 294.3 762,4 years. 101,700 155,400 147,200 0.6 0.9 65 years and over 99,800 10,800 12,27,400 46.9 48.9 48.9 65 years and over 99,800 10,800 12,27,400 46.9 48.9 48.9 48.9 48.9 49,900 12,27,400 46.9 48.9 48.9 48.9 49,900 12,27,400 46.9 48.9 48.9 49,900 473,800 69.3 67.0 85 years and over 400,800 443,200 473,800 60.3 67.0 85 years and over 400,800 443,200 473,800 60.3 67.0 85 years and over 400,800 429,100 46.9 48.9 48.9 40,800 40,		50.400	04.000				
65-74 years. 65,100 80,200 80,600 11,3 12,6 75-84 years. 102,300 12,2100 111,300 13,9 44,9 85 years and over 98,300 91,700 112,600 182,7 146,3 Female: Under 65 years and over 695,800 83,800 0,6 1.0 65 years and over 695,800 832,000 131,500 131, 15,8 75-84 years. 282,600 342,600 367,700 68,9 75,4 85 years and over 695,800 832,000 484,700 294,9 262,4 White Both sexes: Under 65 years 101,700 155,400 147,200 0,6 0,9 65 years and over 920,600 1,050,900 1,227,400 46,9 48,9 65-74 years. 160,100 187,500 187,800 12,5 14,2 75-84 years. 160,100 187,500 187,800 12,5 14,2 86 years and over 920,600 1,059,900 1,227,400 46,9 48,9 65-74 years. 369,700 443,200 473,800 60,3 67,0 86 years and over 920,800 1,059,900 1,227,400 46,9 48,9 65-74 years. 160,100 187,500 187,800 12,5 14,2 75-84 years. 369,700 443,200 473,800 60,3 67,0 86 years and over 920,800 1,059,900 1,227,400 46,9 48,9 65-74 years. 369,700 443,200 473,800 60,3 67,0 86 years and over 920,800 1,059,900 1,227,400 46,9 48,9 65-74 years. 369,700 443,200 473,800 60,3 67,0 86 years and over 920,800 1,059,900 1,227,400 46,9 48,9 65-74 years. 369,700 43,200 373,800 12,5 14,2 75-84 years. 95,500 18,500 270,800 11,3 12,1 75-75-84 years. 95,500 15,800 270,800 11,3 12,1 75-75-84 years. 95,500 15,800 303,200 31,2 31,1 86-74 years. 95,500 15,800 303,200 31,2 31,1 86-74 years. 95,500 15,800 303,200 31,2 31,1 86-74 years. 95,500 15,800 303,200 31,2 31,1 85 years and over 86,800 37,300 924,100 57,8 60,9 85 years and over 86,800 37,300 924,100 57,8 60,9 85 years and over 96,800 37,300 924,100 57,8 60,9 85 years and over 96,800 341,800 31,200 13,4 15,7 75-84 years. 15,000 11,100 11,100 15,000 11,1 17,4 75-84 years. 15,000 21,500 35,400 31,300 10,5 130,0 Able: Under 65 years and over 91,800 11,800 11,300 12,5 130,0 86 years and over 91,800 11,800 11,300 11,00 11,1 17,4 75-84 years. 15,000 21,600 31,300 10,5 130,0 86 years and over 91,800 11,800 11,1				•			0.9
75-84 years. 102,300 122,100 141,300 39, 44,9 85 years and over . 98,300 91,700 112,600 182,7 146,3 Female: Under 65 years . 61,900 95,800 83,800 0,6 1,0 65 years and over . 695,800 832,000 983,900 54,9 58,6 65-74 years. 98,000 131,200 131,500 13.1 15,8 75-84 years and over . 282,600 342,600 367,700 68,9 75,4 85 years and over . 92,600 1,059,900 1,227,400 46,9 48,9 65-74 years. 101,700 155,400 147,200 46,9 48,9 65-74 years. 150,100 187,500 187,500 125,100 1			•	•			29.0
85 years and over . 98,300 91,700 112,600 182,7 146,3 remails: Under 65 years . 61,900 95,800 83,800 0.6 1.0 65 years and over . 695,800 832,000 131,500 13.1 15.8 75.4 years . 282,600 342,600 367,700 68.9 75.4 85 years and over . 31,500 358,200 484,700 284,9 282,4 85 years and over . 920,600 1.05,900 1.227,400 46.9 48.9 65 years and over . 920,600 1.05,900 1.227,400 46.9 48.9 65 years and over . 920,600 1.05,900 1.227,400 46.9 48.9 65 years and over . 920,600 1.05,900 1.227,400 46.9 48.9 65 years and over . 920,600 1.05,900 1.227,400 46.9 48.9 65 years and over . 920,600 1.05,900 1.227,400 46.9 48.9 65 years and over . 920,600 1.05,900 1.227,400 46.9 48.9 48.9 65 years and over . 920,600 1.05,900 1.227,400 46.9 48.9 48.9 65 years and over . 920,600 1.05,900 12,5 14.2 40.0 40.8 40.0 40.0 40.0 40.0 40.0 40.0	·		•	•			10.8 43.0
Female: Under 65 years and over 61,900 95,800 83,800 0,6 1,0 65 years and over 695,800 832,000 983,900 54,9 58,6 65-74 years. 98,000 131,200 131,500 13.1 15,8 75-84 years. 282,600 342,600 367,700 68.9 75,4 85 years and over 315,300 358,200 484,700 294,9 262,4 White Both sexes: Under 65 years 101,700 155,400 147,200 0,6 0,9 65 years and over 920,600 1,059,900 1,227,400 46,9 48.9 65-74 years. 150,100 187,500 187,800 60,3 67,0 85 years and over 920,600 1,059,900 1,227,400 46,9 48.9 65-74 years. 150,100 187,500 187,800 60,3 67,0 85 years and over 400,800 429,100 566,000 270,8 234,2 Vale: Under 65 years 46,000 70,100 73,900 0,6 0,8 65 years and over 250,800 272,600 303,200 31,2 31,1 75-84 years. 89,100 69,400 70,600 11,3 12,1 75-84 years. 89,100 69,400 70,600 11,3 12,1 75-84 years. 97,500 115,800 127,900 41,6 47,1 85 years and over 689,800 787,300 104,800 123,301 23,201 Under 65 years on dover 689,800 787,300 924,100 57,8 60,9 65 years and over 689,800 787,300 924,100 57,8 60,9 65 years and over 689,800 787,300 345,700 71,9 78,7 75-84 years. 91,000 118,100 117,200 13,4 15,7 75-84 years. 91,000 118,100 117,200 13,4 15,7 75-84 years. 91,000 118,100 117,200 13,4 15,7 75-84 years. 91,000 118,000 170,000 71,9 78,7 75-84 years. 91,000 118,000 117,200 13,4 15,7 75-84 years. 91,000 118,000 117,200 13,4 15,7 75-84 years. 91,000 118,000 117,200 13,4 15,7 75-84 years and over 91,200 21,700 25,900 0,5 0,8 65 years and over 91,200 21,500 35,400 12,6 30,0 65 years and over 91,200 21,500 35,400 28,0 33,5 65 years and over 91,200 21,500 35,400 28,0 33,5 65 years and over 91,200 21,400 31,200 18,2 22,9 65-74 years. 91,000 11,000 11,1 17,4 75-84 years. 91,000 10,000 10,000 11,1 17,4 75-84 years. 91,000 10							145.7
Under 65 years	·	36,300	91,700	112,000	102.7	140.3	145.7
65 years and over 695,800 832,000 983,900 54,9 58,6 65-74 years. 98,000 131,200 131,500 13.1 15.8 75-84 years and over 315,000 368,200 342,600 367,700 68.9 75,4 85 years and over 315,000 368,200 342,600 367,700 68.9 75,4 85 years and over 315,000 368,200 484,700 294,9 262,4 White White Sorth sexes: Under 65 years 920,600 1,059,900 1,227,400 46.9 48.9 65-74 years. 150,100 187,500 187,800 12.5 14.2 75-84 years and over 400,800 429,100 566,000 270.8 234,2 48.1		61 900	95.800	83 800	0.6	1.0	0.8
665-74 years. 98,000 131,200 131,500 13.1 15.8 75-84 years. 282,600 342,600 367,700 68.9 75.4 85 years and over 315,300 358,200 484,700 294.9 262.4 White Sorts sees: Under 65 years 101,700 155,400 147,200 0.6 0.9 65 years and over 920,600 1,059,900 1,227,400 46.9 48.9 65 years and over 920,600 1,059,900 1,227,400 46.9 48.9 65 years and over 920,600 1,059,900 1,227,400 46.9 48.9 65 years and over 920,600 187,500 187,800 12.5 14.2 75-84 years. 369,700 443,200 473,600 60.3 67.0 85 years and over 920,600 187,500 187,800 12.5 14.2 94.9 94.9 94.9 94.9 94.9 94.9 94.9 9			· · · · · · · · · · · · · · · · · · ·				57.9
75-84 years		· ·					13.8
## White White Wh			•				66.4
White Both sexes: Under 65 years							250.1
Both sexes: Under 65 years		0.0,000	000,200	101,700	201.0	202.4	200.1
Under 65 years and over 920,600 1,059,900 1,27,400 46,9 48,9 65-74 years. 150,100 187,500 187,800 12.5 14,2 75-84 years. 369,700 443,200 473,800 60.3 67.0 85 years and over 400,800 429,100 566,000 270.8 234,2 Value: Under 65 years and over 250,800 272,600 303,200 31.2 31.1 65-74 years. 97,500 115,800 127,900 41.6 47.1 31.1 12.1 75-84 years and over 94,200 87,300 104,800 192.3 152.9 emaile: Under 65 years and over 94,200 87,300 924,100 57,800 11.3 12.1 75-84 years and over 94,200 87,300 104,800 192.3 152.9 emaile: Under 65 years and over 94,200 87,300 924,100 57,8 60.9 65-74 years. 91,000 118,100 117,200 13,4 15.7 75-84 years. 91,000 118,100 117,200 13,4 15.7 85 years and over 689,800 787,300 924,100 57,8 60.9 65-74 years. 91,000 118,100 117,200 13,4 15.7 85 years and over 94,200 303,600 341,800 461,200 310.0 27,11 78.7 85 years and over 94,200 87,300 924,100 57,8 60.9 65-74 years. 91,000 118,100 117,200 13,4 15.7 85 years and over 94,200 306,600 341,800 461,200 310.0 27,11 78.7 85 years and over 94,200 96,200 327,400 345,700 71.9 78.7 85 years and over 94,200 86,100 91,000 21,6 30.0 65-74 years. 13,000 23,800 24,300 10,6 17.0 75-84 years. 13,000 23,800 24,300 10,6 17.0 75-84 years. 13,000 23,800 24,300 10,6 17.0 75-84 years. 12,800 21,800 31,300 10,5 130.0 faller. 94,900 86,100 91,000 11,6 17.0 75-84 years. 94,900 86,100 91,000 11,1 17,4 75-84 years. 94,900 94,900 95,900 31,300 10,5 130.0 faller. 94,900 95,900 9							
65 years and over 920,600 1,059,900 1,227,400 46,9 48,9 665-74 years. 150,100 187,500 187,300 12.5 14.2 75-84 years. 369,700 443,200 473,600 60.3 67.0 85 years and over 400,800 429,100 566,000 270.8 234,2 Male: Under 65 years (250,800 272,600 303,200 31.2 31.1 65-74 years. 59,100 65,400 70,600 11.3 12.1 75-84 years. 59,100 65,400 70,600 11.3 12.1 75-84 years and over 94,200 87,300 104,800 192.3 152.9		101 700					
65-74 years. 150,100 187,500 128,000 12.5 14.2 75-84 years. 369,700 443,200 473,600 60.3 67.0 85 years and over 400,800 429,100 566,000 270.8 234,2 Under 65 years 46,000 70,100 73,900 0.6 0.8 65 years and over 250,800 272,600 303,200 31.2 31.1 65-74 years. 97,500 15,800 127,900 41.6 47.1 85 years and over 94,200 87,300 104,800 192.3 152.9 emale: Under 65 years 55,800 85,300 73,400 0.7 1.0 65 years and over 669,800 787,300 924,100 57.8 60.9 65-74 years. 91,000 181.100 117,200 13.4 15.7 75-84 years. 272,200 327,400 345,700 71.9 78.7 85 years and over 306,600 341,800 461,200 310.0 271.1 All other Soft sears 12,600 21,700 25,900 0.5 0.8 65 years and over 49,900 66,100 91,000 21.6 <td></td> <td></td> <td></td> <td>*</td> <td></td> <td></td> <td>0.8</td>				*			0.8
75-84 years							47.7
85 years and over 400,800 429,100 566,000 270.8 234.2 Wale: Under 65 years 46,000 70,100 73,900 0.6 0.8 65 years and over 250,800 272,600 303,200 31.2 31.1 65-74 years. 59,100 69,400 70,600 11.3 12.1 75-84 years. 97,500 115,800 127,900 41.6 47.1 35 years and over 94,200 87,300 104,800 192.3 152.9 emale: 10.0 65 years and over 663,800 787,300 73,400 0.7 1.0 65 years and over 663,800 787,300 924,100 57.8 60.9 65-74 years. 91,000 118,100 117,200 13.4 15.7 75-84 years. 91,000 318,100 117,200 13.4 15.7 75-84 years. 272,200 327,400 365,700 71.9 78.7 85 years and over 306,600 341,800 461,200 310.0 271.1 All other Oth sexes: Under 65 years 12,600 21,700 25,900 0.5 0.8 65-74 years. 13,000							12.3
Male: Under 65 years and over			.,				59.1
Under 65 years		400,800	429,100	566,000	270.8	234.2	228.7
65 years and over 250,800 272,600 303,200 31.2 31.1 65-74 years 59,100 69,400 70,600 11.3 12.1 75-84 years 97,500 115,800 127,900 41.6 47.1 85 years and over 94,200 87,300 104,800 192.3 152.9 Female: Under 65 years 55,800 85,300 73,400 0.7 1.0 65 years and over 668,800 787,300 924,100 57.8 60.9 65-74 years 91,000 118,100 117,200 13.4 15.7 75-84 years 272,200 327,400 345,700 71.9 78.7 All other John Sexes: Under 65 years 12,600 21,700 25,900 0.5 0.8 Under 65 years 12,600 21,700 25,900 0.5 0.8 65 years and over 40,900 66,100 91,000 21.6 30.0 65-74 years 13,000 23,800 24,300 10.6 17.0 75-84 years 13,000 23,800 24,300 10.6 17.0 15,200 </td <td></td> <td>46.000</td> <td>70.100</td> <td>72.000</td> <td>0.0</td> <td>0.0</td> <td>0.0</td>		46.000	70.100	72.000	0.0	0.0	0.0
66-74 years 59,100 69,400 70,600 11,3 12,1 75-84 years 97,500 115,800 127,900 41.6 47.1 85 years and over 94,200 87,300 104,800 192.3 152.9 Female: Under 65 years 55,800 85,300 73,400 0.7 1.0 65 years and over 669,800 787,300 924,100 57.8 60.9 65-74 years 91,000 118,100 117,200 13.4 15.7 75-84 years 212,200 327,400 345,700 71.9 78.7 85 years and over 306,600 341,800 461,200 310.0 271.1 All other 30th sexes: Under 65 years 12,600 21,700 25,900 0.5 0.8 65 years and over 40,900 66,100 91,000 21.6 30.0 65 years and over 40,900 66,100 91,000 21.6 30.0 48 years 15,200 21,500 35,400 28.0 33.5 85 years and over 12,800 20,800 31,300 10.5 130.0 Male: Under 65 years 6				·			0.8
75—84 years		•		·			29.2
85 years and over 94,200 87,300 104,800 192.3 152.9 remale: Under 65 years 55,800 85,300 73,400 0,7 1,0 65 years and over 689,800 787,300 924,100 57.8 60.9 665-74 years 306,600 341,800 461,200 310,0 75-84 years and over 306,600 341,800 461,200 310,0 75-84 years and over 306,600 341,800 461,200 310,0 75-85 years and over 306,600 341,800 461,200 310,0 75-85 years and over 40,900 66,100 91,000 21,6 30,0 65-74 years 12,600 21,700 25,900 0.5 0.8 65 years and over 40,900 66,100 91,000 21,6 30,0 65-74 years 15,200 21,500 35,400 28,00 33.5 85 years and over 12,800 20,800 31,300 100.5 130.0 Male: Under 65 years 6,400 11,200 15,400 0.5 0.9 65 years and over 14,900 21,400 31,200 18.2 22.9 65-74 years 6,000 10,700 10,000 11.1 17,4 75-84 years 4,800 6,300 13,400 21,4 24,0 85 years and over 4,100 4,400 7,800 84.8 78.8 emale: Under 65 years 6,200 10,500 10,400 0.5 0.7 65 years and over 26,000 44,700 59,700 24.2 35.2 65-74 years 6,900 13,100 14,300 10.2 16.7 75-84 years 7,900 10,400 15,300 22,000 32.7 39.8 85 years and over 8,700 16,400 15,300 22,000 32.7 39.8 85 years and over 8,700 16,400 23,500 110.1 157.5 Black loth sexes: Under 65 years 8 11,600 20,600 22,300 0.5 0.9				•			10.5
Female: Under 65 years			• • • • • •	•			43.0
Under 65 years		94,200	87,300	104,800	192.3	152.9	150.8
66 years and over . 669,800 787,300 924,100 57.8 60.9 65-74 years . 91,000 118,100 117,200 13.4 15.7 75-84 years . 272,200 327,400 345,700 71.9 78.7 85 years and over . 306,600 341,800 461,200 310.0 271.1 All other Soth sexes: Under 65 years . 12,600 21,700 25,900 0.5 0.8 65 years and over . 40,900 66,100 91,000 21.6 30.0 65-74 years . 13,000 23,800 24,300 10.6 17.0 75-84 years . 15,200 21,500 35,400 28.0 33.5 85 years and over . 12,800 20,800 31,300 100.5 130.0 Male: Under 65 years . 6,400 11,200 15,400 0.5 0.9 65 years and over . 14,900 21,400 31,200 18.2 22.9 65-74 years . 6,000 10,700 10,000 11.1 17.4 75-84 years . 4,800 6,300 13,400 21.1 24.0 85 years and over . 4,100 4,400 7,800 84.8 78.8 remale: Under 65 years . 6,200 10,500 10,400 0.5 0.7 65 years and over . 26,000 44,700 59,700 24.2 35.2 66-74 years . 6,900 13,100 14,300 10.2 16.7 75-84 years . 6,900 13,100 10,400 0.5 0.7 65 years and over . 26,000 44,700 59,700 24.2 35.2 66-74 years . 6,900 13,100 14,300 10.2 16.7 75-84 years . 6,900 13,100 14,300 10.2 16.7		55 ROO	85.300	72.400	0.7	1.0	0.8
65-74 years. 91,000 118,100 117,200 13.4 15.7 75-84 years. 272,200 327,400 345,700 71.9 78.7 85 years and over 306,600 341,800 461,200 310.0 271.1 All other Both sexes: Under 65 years 12,600 21,700 25,900 0.5 0.8 65 years and over 40,900 66,100 91,000 21.6 30.0 65-74 years. 13,000 23,800 24,300 10.6 17.0 75-84 years and over 12,800 20,800 31,300 100.5 130.0 Male: Under 65 years and over 12,800 20,800 31,300 100.5 130.0 Male: Under 65 years and over 14,900 21,400 31,200 18.2 22.9 65-74 years. 6,000 10,700 10,000 11.1 17.4 75-84 years. 6,000 10,700 10,000 11.1 17.4 75-84 years and over 14,900 21,400 31,200 18.2 22.9 65-74 years. 6,000 10,700 10,000 11.1 17.4 75-84 years and over 4,100 4,400 7,800 84.8 78.8 remale: Under 65 years and over 4,100 4,400 7,800 84.8 78.8 remale: Under 65 years and over 26,000 44,700 59,700 24.2 35.2 65-74 years. 6,900 13,100 10,400 0.5 0.7 75-84 years. 6,900 13,100 10,400 10.2 16.7 75-84 years. 6,900 13,100 14,300 10.2 16.7 75-84 years. 6,900 13,100 14,300 10.2 16.7 75-84 years. 6,900 13,100 22,000 32.7 39.8 85 years and over 8,700 16,400 23,500 110.1 157.5	65 years and over	· ·					60.2
75-84 years			· ·				13.7
All other All other All other All other All other Both sexes: Under 65 years	75–84 years			•			68.5
Soth sexes: Under 65 years 12,600 21,700 25,900 0.5 0.8 65 years and over 40,900 66,100 91,000 21.6 30.0 65-74 years. 13,000 23,800 24,300 10.6 17.0 75-84 years. 15,200 21,500 35,400 28.0 33.5 85 years and over 12,800 20,800 31,300 100.5 130.0 Male: Under 65 years 6,400 11,200 15,400 0.5 0.9 65 years and over 14,900 21,400 31,200 18.2 22.9 65-74 years. 6,000 10,700 10,000 11.1 17.4 75-84 years. 4,800 6,300 13,400 21.4 24.0 85 years and over 4,100 4,400 7,800 84.8 78.8 remale: Under 65 years 6,200 10,500 10,400 0.5 0.7 65 years and over 26,000 44,700 59,700 24.2 35.2 665-74 years. 6,900 13,100 14,300 10.2 16.7 75-84 years. 6,900 13,100 14,300 10.2 16.7 75-84 years. 10,400 15,300 22,000 32.7 39.8 85 years and over 8,700 16,400 23,500 110.1 157.5 Black soth sexes: Under 65 years 11,600 20,600 22,300 0.5 0.9							259.2
## South sexes: Under 65 years and over	All other						
65 years and over 40,900 66,100 91,000 21.6 30.0 65-74 years 13,000 23,800 24,300 10.6 17.0 75-84 years 15,200 21,500 35,400 28.0 33.5 85 years and over 12,800 20,800 31,300 100.5 130.0 Male: Under 65 years 66,400 11,200 15,400 0.5 0.9 65 years and over 14,900 21,400 31,200 18.2 22.9 65-74 years 66,000 10,700 10,000 11.1 17.4 75-84 years 4,800 6,300 13,400 21.4 24.0 85 years and over 4,100 4,400 7,800 84.8 78.8 Female: Under 65 years 66,000 10,500 10,400 0.5 0.7 65 years and over 26,000 44,700 59,700 24.2 35.2 65-74 years 69,900 13,100 14,300 10.2 16.7 75-84 years 69,900 10.4 90,900 10.2 90,90							
65 years and over 40,900 66,100 91,000 21.6 30.0 65-74 years 13,000 23,800 24,300 10.6 17.0 75-84 years 15,200 21,500 35,400 28.0 33.5 85 years and over 12,800 20,800 31,300 100.5 130.0 Male: Under 65 years 6,400 11,200 15,400 0.5 0.9 65 years and over 14,900 21,400 31,200 18.2 22.9 65-74 years 6,000 10,700 10,000 11.1 17.4 75-84 years 4,800 6,300 13,400 21.4 24.0 85 years and over 4,100 4,400 7,800 84.8 78.8 Female: Under 65 years 6,200 10,500 10,400 0.5 0.7 65-74 years 6,900 13,100 14,300 10.2 16.7 75-84 years 6,900 13,100 14,300 10.2 16.7 75-84 years 10,400 15,300 22,000 32.7 <	Under 65 years	12,600	21,700	25,900	0.5	0.8	0.8
75-84 years 15,200 21,500 35,400 28.0 33.5 85 years and over 12,800 20,800 31,300 100.5 130.0 Male: Under 65 years 6,400 11,200 15,400 0.5 0.9 65 years and over 14,900 21,400 31,200 18.2 22.9 65-74 years 6,000 10,700 10,000 11.1 17.4 75-84 years 4,800 6,300 13,400 21.4 24.0 85 years and over 4,100 4,400 7,800 84.8 78.8 Female: Under 65 years 6,200 10,500 10,400 0.5 0.7 65 years and over 26,000 44,700 59,700 24.2 35.2 65-74 years 6,900 13,100 14,300 10.2 16.7 75-84 years 10,400 15,300 22,000 32.7 39.8 85 years and over 8,700 16,400 23,500 110.1 157.5 Black Soth sexes: Under 65 years 11,600 20,600 22,300 0.5 0.9		40,900	66,100	91,000	21.6	30.0	32.6
85 years and over 12,800 20,800 31,300 100.5 130.0 Wale: Under 65 years 6,400 11,200 15,400 0.5 0.9 65 years and over 14,900 21,400 31,200 18.2 22.9 65-74 years 6,000 10,700 10,000 11.1 17.4 75-84 years 4,800 6,300 13,400 21.4 24.0 85 years and over 4,100 4,400 7,800 84.8 78.8 Female: Under 65 years 6,200 10,500 10,400 0.5 0.7 65 years and over 26,000 44,700 59,700 24.2 35.2 65-74 years 6,900 13,100 14,300 10.2 16.7 75-84 years 10,400 15,300 22,000 32.7 39.8 85 years and over 8,700 16,400 23,500 110.1 157.5 Black Soth sexes: Under 65 years 11,600 20,600 22,300 0.5 0.5 0.9	65-74 years	13,000	23,800	24,300	10.6	17.0	13.9
Male: Under 65 years 6,400 11,200 15,400 0.5 0.9 65 years and over 14,900 21,400 31,200 18.2 22.9 65-74 years 6,000 10,700 10,000 11.1 17.4 75-84 years 4,800 6,300 13,400 21.4 24.0 85 years and over 4,100 4,400 7,800 84.8 78.8 Temale: Under 65 years 6,200 10,500 10,400 0.5 0.7 65 years and over 26,000 44,700 59,700 24.2 35.2 65-74 years 6,900 13,100 14,300 10.2 16.7 75-84 years 10,400 15,300 22,000 32.7 39.8 85 years and over 8,700 16,400 23,500 110.1 157.5	75-84 years	15,200	21,500	35,400	28.0	33.5	44.0
Under 65 years	85 years and over	12,800	20,800	31,300	100.5	130.0	131.9
65 years and over	Male:						
65-74 years. 6,000 10,700 10,000 11.1 17.4 75-84 years. 4,800 6,300 13,400 21.4 24.0 85 years and over. 4,100 4,400 7,800 84.8 78.8 Female: Under 65 years	Under 65 years	6,400	11,200	15,400	0.5	0.9	1.0
75-84 years 4,800 6,300 13,400 21.4 24.0 85 years and over 4,100 4,400 7,800 84.8 78.8 Female: Under 65 years 6,200 10,500 10,400 0.5 0.7 65 years and over 26,000 44,700 59,700 24.2 35.2 65-74 years 6,900 13,100 14,300 10.2 16.7 75-84 years 10,400 15,300 22,000 32.7 39.8 85 years and over 8,700 16,400 23,500 110.1 157.5 Black Black Oth sexes: Under 65 years 11,600 20,600 22,300 0.5 0.9	65 years and over	14,900	21,400	31,200	18.2	22.9	27.4
85 years and over		6,000	10,700	10,000	11.1	17.4	13.4
Female: Under 65 years	75–84 years	4,800	6,300	13,400	21.4	24.0	42.7
Under 65 years 6,200 10,500 10,400 0.5 0,7 65 years and over 26,000 44,700 59,700 24.2 35.2 65-74 years 6,900 13,100 14,300 10.2 16.7 75-84 years 10,400 15,300 22,000 32.7 39.8 85 years and over 8,700 16,400 23,500 110.1 157.5 Black Both sexes: Under 65 years 11,600 20,600 22,300 0.5 0.9	85 years and over	4,100	4,400	7,800	84.8	78.8	99.9
65 years and over 26,000 44,700 59,700 24.2 35.2 65-74 years 6,900 13,100 14,300 10.2 16.7 75-84 years 10,400 15,300 22,000 32.7 39.8 85 years and over 8,700 16,400 23,500 110.1 157.5 Black Both sexes: Under 65 years 11,600 20,600 22,300 0.5 0.9	Female:						
65 years and over 26,000 44,700 59,700 24.2 35.2 65-74 years 6,900 13,100 14,300 10.2 16.7 75-84 years 10,400 15,300 22,000 32.7 39.8 85 years and over 8,700 16,400 23,500 110.1 157.5 Black Both sexes: Under 65 years 11,600 20,600 22,300 0.5 0.9	Under 65 years	6,200	10,500	10,400	0.5	0.7	0.6
75-84 years		26,000	44,700	59,700	24.2	35.2	36.2
85 years and over	65-74 years	6,900	13,100	14,300	10.2	16.7	14.3
Black Soth sexes: Under 65 years		10,400	15,300	22,000	32.7	39.8	44.7
oth sexes: Under 65 years	85 years and over	8,700	16,400	23,500	110.1	157.5	147.6
Under 65 years	Black						
					_		
65 years and over			•				0.8
							35.0
65-74 years	65-74 years						15.4
75-84 years							45.3
85 years and over	85 years and over	12,100	19,100	29,000	105.7	133.6	141.5

See footnotes and note at end of table.

Table 2. Number and rate per 1,000 population of nursing home residents, by race, sex, and age: United States, 1973-74, 1977, and 1985—Con.

Race, sex, and age	Residents					
	1973-741	1977	1985	1973-74 ^{1,2}	1977 ²	19852
Black—Con.	Number			Rate per 1,000 population		
Male:						
Under 65 years	6,000	10,600	13,800	0.6	0.9	1.1
65 years and over	13,100	18,800	26,800	18.1	23.0	28.5
65-74 years	5,400	9,200	8,900	11.2	17.2	14.5
75-84 years	4,000	5,400	11,700	19.4	22.9	45.6
85 years and over	3,800	4,200	6,200	92.0	86.7	95.6
Female:						
Under 65 years	5,700	10,000	8,500	0.5	0.8	0.6
65 years and over	24,600	42,000	55,200	24.8	36.1	39.4
65-74 years	6,900	12,800	13,500	11.0	17.9	16.0
75-84 years	9,400	14,400	18,900	31.8	40.5	45.1
85 years and over	8,300	14,900	22,800	113.5	158.1	162.7

¹Excludes residents in personal care or domiciliary care homes.

NOTE: Figures may not add to totals because of rounding.

²Population data used to compute rates for 1973–74 and 1977 are from U.S. Bureau of the Census. Preliminary estimates of the population of the United States, by age, sex, and race, 1970 to 1981. Current Population Reports; series P–25, no 917. Washington: U.S. Department of Commerce, July 1982. Population data used to compute rates for 1985 are from U.S. Bureau of the Census. Estimates of the population of the United States, by age, sex, and race, 1980 to 1985. Current Population Reports; series P–25, no 985. Department of Commerce, Apr. 1986.

³For data years 1973-74 and 1977 all Hispanic persons were included in the "white" category.

Table 3. Number of nursing home residents, percent distribution by length of stay since admission, and average and median lengths of stay, according to selected characteristics: United States, 1985

Characteristic Residents Total Less than days months to less than 12 than 3 than 5 than 5 says stay since					Length of	stay sınce ad	Imission		_		
Both sexes, all ages	Characteristic Ro	Residents	Total		to less than 6	to less than 12	to less than 3	to less than 5	•	length of stay since	Median length of stay since admission of days 614 654 611 528 554 677 575 563 581 622 522 617 630 838 624 477 560
Under 65 years 173,100 100.0 14.2 12.7 12.1 24.0 13.0 24.0 1.311 65. 65 years and over 1.318,300 100.0 12.7 9.0 14.3 32.5 14.0 17.3 1.026 61 65-74 years. 509,000 100.0 12.7 9.6 15.8 33.2 13.6 15.0 948 55. 85 years and over 597,300 100.0 15.5 9.8 13.8 31.7 12.2 16.9 1,081 57. Under 65 years 8 89,300 100.0 15.5 14.2 11.7 24.7 11.3 21.6 1.192 56. 65 years and over 34.400 100.0 15.3 8.6 14.4 33.6 12.5 15.7 987 58 65-74 years. 80,600 100.0 15.3 9.2 16.2 33.9 11.6 13.9 912 52. 85 years and over 112,600 100.0 15.8 8.5 13.2 33.9 11.6 13.9 912 52. 85 years and over 112,600 100.0 15.8 9.4 14.2 31.5 14.6 18.6 1.070 63. Under 65 years 8 83,800 100.0 15.8 9.2 16.2 33.9 14.1 15.5 966 61. Female, all ages. 1,067,700 100.0 11.8 9.4 14.2 31.5 14.6 18.6 1.070 63. Under 65 years 8 83,800 100.0 11.8 9.4 14.2 31.5 14.6 18.6 1.070 63. Under 65 years 983,900 100.0 11.8 9.4 14.2 31.5 14.6 18.6 1.070 63. Under 65 years 8 3,800 100.0 11.8 9.4 14.2 31.5 14.6 18.6 1.070 63. So years and over 983,900 100.0 11.8 9.2 14.3 32.2 14.5 17.9 10.39 62. 66-74 years. 367,700 100.0 11.8 9.2 14.3 32.2 14.5 17.9 10.39 62. 66-74 years. 367,700 100.0 11.8 11.0 12.7 23.1 14.8 26.6 1,437 83. 65 years and over 983,900 100.0 11.8 9.2 14.3 32.2 14.5 17.9 1,039 62. 66-74 years. 367,700 100.0 11.8 9.2 14.3 32.2 14.5 17.9 1,039 62. 65-78 years and over 983,900 100.0 11.8 11.0 12.7 23.1 14.8 26.6 1,437 83. 65 years and over 983,900 100.0 11.8 9.2 14.3 32.2 14.5 17.9 1,039 62. 65-78 years 36,7700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 56. 65-74 years. 367,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 56. 85 years and over 983,900 100.0 11.8 9.2 14.3 32.2 14.5 17.9 1,039 62. 65-78 years 36,7700 100.0 11.2 8.1 13.1 32.1 15.2 20.3 1,108 70. 80 years 36 years 36 years 36,7700 100.0 11.2 8.1 13.1 32.1 15.2 20.3 1,108 70. 80 years 36 years 36,7700 100.0 11.2 8.1 13.1 31.3 14.0 18.3 1,061 614 80 years 36 y	Sex and age	Number		_	Perce	ent distributio	on		-	Number	of days
65 years and over 1,318,300 100.0 12.7 9.0 14.3 32.5 14.0 17.3 1,026 61 65-74 years. 212,100 100.0 15.1 10.0 14.3 31.1 12.3 17.1 1,055 52: 75-84 years. 509,000 100.0 12.7 9.6 15.8 33.2 13.6 15.0 948 55. 85 years and over 597,300 100.0 11.9 8.2 13.1 32.4 15.0 19.4 1,081 67. Male, all ages. 423,800 100.0 15.5 9.8 13.8 31.7 12.2 16.9 1,031 57. Under 65 years 89,300 100.0 16.5 14.2 11.7 24.7 11.3 21.6 1,192 56. 65 years and over 334,400 100.0 15.3 8.6 14.4 33.6 12.5 15.7 987 58 65-74 years. 80,600 100.0 16.1 7.5 13.1 32.6 11.7 19.0 1,156 62. 75-84 years. 141,300 100.0 15.3 9.2 16.2 33.9 11.6 13.9 912 52. 85 years and over 112,600 100.0 14.8 8.5 13.2 33.9 14.1 15.5 966 61. Female, all ages. 1,067,700 100.0 11.8 9.4 14.2 31.5 14.6 18.6 1,070 63. Under 65 years and over 983,900 100.0 11.8 11.0 12.7 23.1 14.8 26.6 1,437 83. 65 years and over 983,900 100.0 11.8 9.2 14.3 32.2 14.5 17.9 1,039 62. 65-74 years. 367,700 100.0 11.8 9.2 14.3 32.2 14.5 17.9 1,039 62. 65-74 years. 367,700 100.0 11.8 9.2 14.3 32.2 14.5 17.9 1,039 62. 65-74 years. 367,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 56. 65-74 years. 367,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 56. 65-74 years. 367,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 56. 66-74 years. 367,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 56. 66-74 years. 367,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 56. 66-74 years. 367,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 56. 66-74 years. 367,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 56. 66-74 years. 367,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 56. 66-74 years. 367,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 56. 66-74 years. 367,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 56. 66-74 years. 367,700 100.0 11.2 8.1 13.1 32.1 15.2 20.3 1,108 70.6 14.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0	Both sexes, all ages	1,491,400	100.0	12.9	9.5	14.1	31.5	13.9	18.1	1,059	614
65-74 years. 212,100 100.0 15.1 10.0 14.3 31.1 12.3 17.1 1,055 52: 75-84 years. 509,000 100.0 12.7 9.6 15.8 33.2 13.6 15.0 948 55: 85 years and over 597,300 100.0 11.9 8.2 13.1 32.4 15.0 19.4 1,081 67: Male, all ages. 423,800 100.0 15.5 9.8 13.8 31.7 12.2 16.9 1,031 57: Under 65 years and over 334,400 100.0 15.3 8.6 14.4 33.6 12.5 15.7 987 58 65-74 years. 80,600 100.0 15.3 9.2 16.2 33.9 11.6 13.9 912 52: 85 years and over 112,600 100.0 14.8 8.5 13.2 33.9 14.1 15.5 966 61: Female, all ages. 1.067,700 100.0 11.8 9.4 14.2 31.5 14.6 18.6 1,070 630 Under 65 years and over 983,900 100.0 11.8 9.4 14.2 31.5 14.6 18.6 1,070 630 Under 65 years and over 983,900 100.0 11.8 9.2 14.3 32.2 14.5 17.9 1,039 62.4 65 years and over 983,900 100.0 11.8 11.0 12.7 23.1 14.8 26.6 1,437 838 65 years and over 983,900 100.0 14.5 11.5 15.1 30.2 12.7 15.9 997 477 75-84 years. 367,700 100.0 14.5 11.5 15.1 30.2 12.7 15.9 997 477 75-84 years. 367,700 100.0 11.8 9.2 14.3 32.2 14.5 17.9 1,039 62.4 65-74 years. 367,700 100.0 11.8 9.2 14.3 32.2 14.5 17.9 1,039 62.4 65-74 years. 367,700 100.0 11.8 9.2 14.3 32.2 14.5 17.9 1,039 62.4 65-74 years. 367,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 566 85 years and over 484,700 100.0 11.2 8.1 13.1 32.1 15.2 20.3 1,108 708 Race White 1,374,600 100.0 13.0 9.4 14.1 31.3 14.0 18.3 1,061 614 All other 116,800 100.0 11.6 10.7 14.0 34.4 13.1 16.2 1,037 598 Black 104,400 100.0 11.3 10.6 13.2 35.8 12.8 16.4 1,041 621 Non-Hispanic origin	Under 65 years	173,100	100.0	14.2	12.7	12.1	24.0	13.0	24.0	1,311	654
75-84 years 509,000 100.0 12.7 9.6 15.8 33.2 13.6 15.0 948 55.85 years and over 597,300 100.0 11.9 8.2 13.1 32.4 15.0 19.4 1,081 67. Male, all ages 423,800 100.0 15.5 9.8 13.8 31.7 12.2 16.9 1,031 57. Under 65 years 89,300 100.0 16.5 14.2 11.7 24.7 11.3 21.6 1,192 56. 65 years and over 334,400 100.0 15.3 8.6 14.4 33.6 12.5 15.7 987 58. 65-74 years 80,600 100.0 16.1 7.5 13.1 32.6 11.7 19.0 1,150 62. 75-84 years 141,300 100.0 15.3 9.2 16.2 33.9 11.6 13.9 912 52. 85 years and over 112,600 100.0 14.8 8.5 13.2 33.9 14.1 15.5 966 61. Female, all ages 1,067,700 100.0 11.8 9.4 14.2 31.5 14.6 18.6 1,070 63. 65 years and over 983,900 100.0 11.8 11.0 12.7 23.1 14.8 26.6 1,437 83. 65 years and over 983,900 100.0 11.8 9.2 14.3 32.2 14.5 17.9 1,039 62. 65-74 years 131,500 100.0 14.5 11.5 15.1 30.2 12.7 15.9 997 47. 75-84 years 367,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 560 85 years and over 484,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 560 85 years and over 484,700 100.0 11.2 8.1 13.1 32.1 15.2 20.3 1,108 708 Hispanic 1,374,600 100.0 11.6 10.7 14.0 34.4 13.1 16.2 1,037 598 Black 104,400 100.0 11.3 10.6 13.2 35.8 12.8 16.4 1,041 621 Hispanic 41,000 100.0 14.2 *9.1 *12.8 37.6 15.0 *11.2 928 612 Non-Hispanic 41,000 100.0 12.9 9.5 14.1 31.4 13.9 18.3 1,063 614		1,318,300	100.0	12.7	9.0	14.3	32.5	14.0	17.3	1,026	611
85 years and over	65-74 years	212,100	100.0	15.1	10.0	14.3	31.1	12.3	17.1	1,055	528
Male, all ages.	75-84 years	509,000	100.0	12.7	9.6	15.8	33.2	13.6	15.0	948	554
Under 65 years	85 years and over	597,300	100.0	11.9	8.2	13.1	32.4	15.0	19.4	1,081	677
65 years and over 334,400 100.0 15.3 8.6 14.4 33.6 12.5 15.7 987 58 65-74 years 80,600 100.0 16.1 7.5 13.1 32.6 11.7 19.0 1,150 622 75-84 years 141,300 100.0 15.3 9.2 16.2 33.9 11.6 13.9 912 522 85 years and over 112,600 100.0 14.8 8.5 13.2 33.9 14.1 15.5 966 61	Male, all ages	423,800	100.0	15.5	9.8	13.8	31.7	12.2	16.9	1,031	575
65-74 years. 80,600 100.0 16.1 7.5 13.1 32.6 11.7 19.0 1,150 62.75-84 years. 141,300 100.0 15.3 9.2 16.2 33.9 11.6 13.9 912 52.85 years and over 112,600 100.0 14.8 8.5 13.2 33.9 14.1 15.5 966 61. Female, all ages. 1,067,700 100.0 11.8 9.4 14.2 31.5 14.6 18.6 1,070 630 Under 65 years 83,800 100.0 11.8 11.0 12.7 23.1 14.8 26.6 1,437 838 65 years and over 983,900 100.0 11.8 9.2 14.3 32.2 14.5 17.9 1,039 62.65-74 years. 131,500 100.0 14.5 11.5 15.1 30.2 12.7 15.9 997 47.75-84 years. 367,700 100.0 14.5 11.5 15.1 30.2 12.7 15.9 997 47.75-84 years. 367,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 566 85 years and over 484,700 100.0 11.2 8.1 13.1 32.1 15.2 20.3 1,108 708 Race White 1,374,600 100.0 13.0 9.4 14.1 31.3 14.0 18.3 1,061 614 All other 116,800 100.0 11.3 10.6 10.7 14.0 34.4 13.1 16.2 1,037 598 Black. 104,400 100.0 11.3 10.6 13.2 35.8 12.8 16.4 1,041 621 Hispanic origin Hispanic 41,000 100.0 14.2 *9.1 *12.8 37.6 15.0 *11.2 928 612 Non-Hispanic 1,450,400 100.0 12.9 9.5 14.1 31.4 13.9 18.3 1,063 614	Under 65 years	89,300	100.0	16.5	14.2	11.7	24.7	11.3	21.6	1,192	563
75-84 years		334,400	100.0	15.3	8.6	14.4	33.6	12.5	15.7		581
85 years and over 112,600 100.0 14.8 8.5 13.2 33.9 14.1 15.5 966 617 Female, all ages 1.067,700 100.0 11.8 9.4 14.2 31.5 14.6 18.6 1,070 630 Under 65 years . 83,800 100.0 11.8 11.0 12.7 23.1 14.8 26.6 1,437 838 65 years and over 983,900 100.0 11.8 9.2 14.3 32.2 14.5 17.9 1,039 622 65-74 years 131,500 100.0 14.5 11.5 15.1 30.2 12.7 15.9 997 477 75-84 years 367,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 560 85 years and over 484,700 100.0 11.2 8.1 13.1 32.1 15.2 20.3 1,108 708 Race White 1,374,600 100.0 13.0 9.4 14.1 31.3 14.0 18.3 1,061 614 All other 116,800 100.0 11.6 10.7 14.0 34.4 13.1 16.2 1,037 598 Black 104,400 100.0 11.3 10.6 13.2 35.8 12.8 16.4 1,041 621 Hispanic origin Hispanic origin Hispanic 1 41,000 100.0 12.9 9.5 14.1 31.4 13.9 18.3 1,063 614	65-74 years	80,600	100.0	16.1	7.5	13.1	32.6	11.7	19.0	1,150	622
Female, all ages. 1.067,700 100.0 11.8 9.4 14.2 31.5 14.6 18.6 1,070 630 Under 65 years . 83,800 100.0 11.8 11.0 12.7 23.1 14.8 26.6 1,437 838 65 years and over . 983,900 100.0 11.8 9.2 14.3 32.2 14.5 17.9 1,039 624 65-74 years. 131,500 100.0 14.5 11.5 15.1 30.2 12.7 15.9 997 47.7 75-84 years . 367,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 560 85 years and over . 484,700 100.0 11.2 8.1 13.1 32.1 15.2 20.3 1,108 708 Race White . 1,374,600 100.0 13.0 9.4 14.1 31.3 14.0 18.3 1,061 614 All other . 116,800 100.0 11.6 10.7 14.0 34.4 13.1 16.2 1,037 598 Black . 104,400 100.0 11.3 10.6 13.2 35.8 12.8 16.4 1,041 621 Hispanic origin Hispanic origin Hispanic	75-84 years	141,300	100.0	15.3	9.2	16.2	33.9	11.6	13.9	912	522
Under 65 years	85 years and over	112,600	100.0	14.8	8.5	13.2	33.9	14.1	15.5	966	617
65 years and over 983,900 100.0 11.8 9.2 14.3 32.2 14.5 17.9 1,039 624 65-74 years 131,500 100.0 14.5 11.5 15.1 30.2 12.7 15.9 997 477 75-84 years 367,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 560 85 years and over 484,700 100.0 11.2 8.1 13.1 32.1 15.2 20.3 1,108 708 Race White 1,374,600 100.0 13.0 9.4 14.1 31.3 14.0 18.3 1,061 614 All other 116,800 100.0 11.6 10.7 14.0 34.4 13.1 16.2 1,037 598 Black 104,400 100.0 11.3 10.6 13.2 35.8 12.8 16.4 1,041 621 Hispanic origin Hispanic origin Hispanic 41,000 100.0 12.9 9.5 14.1 31.4 13.9 18.3 1,063 614 1000 Hispanic 11,450,400 100.0 12.9 9.5 14.1 31.4 13.9 18.3 1,063 614	Female, all ages	1,067,700	100.0	11.8	9.4	14.2	31.5	14.6	18.6	1,070	630
65-74 years. 131,500 100.0 14.5 11.5 15.1 30.2 12.7 15.9 997 477.75-84 years. 367,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 560.85 years and over 484,700 100.0 11.2 8.1 13.1 32.1 15.2 20.3 1,108 708. Race White 1,374,600 100.0 13.0 9.4 14.1 31.3 14.0 18.3 1,061 614. All other 116,800 100.0 11.6 10.7 14.0 34.4 13.1 16.2 1,037 598. Black 104,400 100.0 11.3 10.6 13.2 35.8 12.8 16.4 1,041 621. Hispanic origin Hispanic origin Hispanic 41,000 100.0 14.2 *9.1 *12.8 37.6 15.0 *11.2 928 612. Non-Hispanic 1,450,400 100.0 12.9 9.5 14.1 31.4 13.9 18.3 1,063 614.	Under 65 years	83,800	100.0	11.8	11.0	12.7	23.1	14.8	26.6	1,437	838
75-84 years 367,700 100.0 11.7 9.8 15.6 33.0 14.4 15.5 962 560 85 years and over 484,700 100.0 11.2 8.1 13.1 32.1 15.2 20.3 1,108 708 Race White 1,374,600 100.0 13.0 9.4 14.1 31.3 14.0 18.3 1,061 614 All other 116,800 100.0 11.6 10.7 14.0 34.4 13.1 16.2 1,037 598 Black 104,400 100.0 11.3 10.6 13.2 35.8 12.8 16.4 1,041 621 Hispanic origin Hispanic origin Hispanic 41,000 100.0 14.2 *9.1 *12.8 37.6 15.0 *11.2 928 612 Non-Hispanic 1 1,450,400 100.0 12.9 9.5 14.1 31.4 13.9 18.3 1,063 614	65 years and over	983,900	100.0	11.8	9.2	14.3	32.2	14.5	17.9	1,039	624
85 years and over 484,700 100.0 11.2 8.1 13.1 32.1 15.2 20.3 1,108 708 Race White 1,374,600 100.0 13.0 9.4 14.1 31.3 14.0 18.3 1,061 614 All other 116,800 100.0 11.6 10.7 14.0 34.4 13.1 16.2 1,037 598 Black 104,400 100.0 11.3 10.6 13.2 35.8 12.8 16.4 1,041 621 Hispanic origin Hispanic 41,000 100.0 14.2 *9.1 *12.8 37.6 15.0 *11.2 928 612 Non-Hispanic 1 1,450,400 100.0 12.9 9.5 14.1 31.4 13.9 18.3 1,063 614	65-74 years	131,500	100.0	14.5	11.5	15.1	30.2	12.7	15.9	997	477
Race White 1,374,600 100.0 13.0 9.4 14.1 31.3 14.0 18.3 1,061 614 All other 116,800 100.0 11.6 10.7 14.0 34.4 13.1 16.2 1,037 598 Black 104,400 100.0 11.3 10.6 13.2 35.8 12.8 16.4 1,041 621 Hispanic origin Hispanic 41,000 100.0 14.2 *9.1 *12.8 37.6 15.0 *11.2 928 612 Non-Hispanic 1 1,450,400 100.0 12.9 9.5 14.1 31.4 13.9 18.3 1,063 614	75-84 years	367,700	100.0	11.7	9.8	15.6	33.0	14.4	15.5	962	560
White 1,374,600 100.0 13.0 9.4 14.1 31.3 14.0 18.3 1,061 614 All other 116,800 100.0 11.6 10.7 14.0 34.4 13.1 16.2 1,037 598 Black 104,400 100.0 11.3 10.6 13.2 35.8 12.8 16.4 1,041 621 Hispanic origin Hispanic 41,000 100.0 14.2 *9.1 *12.8 37.6 15.0 *11.2 928 612 Non-Hispanic ¹ 1,450,400 100.0 12.9 9.5 14.1 31.4 13.9 18.3 1,063 614	85 years and over	484,700	100.0	11.2	8.1	13.1	32.1	15.2	20.3	1,108	708
All other	Race										
Black	White	1,374,600	100.0	13.0	9.4	14.1	31.3	14.0	18.3	1,061	614
Black	All other	116.800	100.0	11.6	10.7	14.0	34.4	13.1	16.2	1.037	599
Hispanic	Black	•	100.0	11.3		13.2			16.4		621
Non-Hispanic ¹	Hispanic origin										
Non-Hispanic ¹	Hispanic	41.000	100.0	14.2	*9.1	*12.8	37.6	15.0	*11.2	928	612
	Non-Hispanic ¹	1,450,400	100.0		9.5	14.1	31.4		18.3	1,063	614
Current marital status	Current marital status										
Married	Married	188,200	100.0	20.9	12.8	16.5	30.1	10.6	9.1	675	357
											629
The state of the s											538
	•										865

¹Data include a small number of unknowns

Table 4. Number and percent of nursing home residents by dependency in activities of daily living, sex, and age: United States, 1985

			Depende	ncy in activitie	es of daily living		
Sex and age	Total	Requires assistance in bathing	Requires assistance in dressing	Requires assistance in using toilet room	Requires assistance in transferring	Has difficulty with bowel and/or bladder control	Requires assistance in eating
Both sexes				Number			
All ages	1,491,400	1,323,200	1,124,600	907,600	893,400	774,400	586,300
Under 65 years	173,100 1,318,300 212,100 509,000 597,300	123,000 1,200,200 179,700 459,800 560,700	101,900 1,022,700 148,800 386,200 487,700	74,300 833,300 120,000 307,200 406,100	68,500 824,900 110,400 304,100 410,400	55,900 718,500 91,000 280,200 347,300	54,500 531,800 70,900 199,000 261,900
Male							
All ages	423,800	349,000	287,300	221,400	217,800	199,700	142,000
Under 65 years	89,300 334,400 80,600 141,300 112,600	58,600 290,400 61,900 125,000 103,400	48,200 239,100 51,700 100,300 87,100	33,700 187,700 39,700 77,900 70,100	33,100 184,800 37,500 76,500 70,700	26,200 173,500 31,300 76,500 65,600	25,900 116,100 26,500 45,600 44,000
Female							
All ages	1,067,700	974,300	837,200	686,200	675,600	574,700	444,300
Under 65 years	83,800 983,900 131,500 367,700 484,700	64,500 909,800 117,800 334,800 457,200	53,700 783,500 97,100 285,800 400,700	40,600 645,600 80,300 229,300 336,100	35,500 640,100 72,900 227,600 339,700	29,700 545,000 59,700 203,700 281,600	28,600 415,700 44,400 153,400 217,900
Both sexes				Percent			
All ages	100.0	88.7	75.4	60.9	59.9	51.9	39.3
Under 65 years	100.0 100.0 100.0 100.0 100.0	71.1 91.0 84.8 90.3 93.9	58.9 77.6 70.2 75.9 81.7	42.9 63.2 56.6 60.3 68.0	39.6 62.6 52.1 59.7 68.7	32.3 54.5 42.9 55.0 58.1	31.5 40.3 33.4 39.1 43.9
Male							
All ages	100.0	82.4	67.8	52.2	51.4	47.1	33.5
Under 65 years	100.0 100.0 100.0 100.0 100.0	65.6 86.8 76.9 88.5 91.9	54.0 71.5 64.2 71.0 77.3	37.7 56.1 49.3 55.1 62.2	37.0 55.2 46.6 54.1 62.8	29.4 51.9 38.9 54.1 58.3	29.0 34.7 32.9 32.3 39.1
Female							
All ages	100.0 100.0	91.2 76.9	78.4 64.1	64.3 48.4	63.3 42.3	53.8 35.4	41.6 34.1
65 years and over	100.0 100.0 100.0 100.0	92.5 89.6 91.0 94.3	79.6 73.8 77.7 82.7	65.6 61.0 62.4 69.3	65.1 55.4 61.9 70.1	55.4 45.4 55.4 58.1	42.3 33.8 41.7 45.0

Table 5. Number and percent distribution of nursing home residents by number of dependencies in activities of daily living, according to sex and age: United States, 1985

		Dependencies in activities of daily living								
Sex and age	Total	None	1	2	3	4	5	6		
Both sexes				Num	ber					
All ages	1,491,400	146,200	166,700	151,800	115,300	195,600	284,200	431,700		
Under 65 years	173,100	45,800	20,300	21,700	12,500	18,300	23,600	31,000		
65 years and over	1,318,300	100,400	146,500	130,100	102,800	177,300	260,600	400,700		
65–74 years	212,100	28,000	29,700	23,700	15,400	29,300	35,200	50,700		
75–84 years	509,000 597,300	43,800 28,500	59,300 57,500	49,000 57,500	44,400 43,100	65,200 82,800	99,000 126,400	148,400 201,500		
os years and over	397,300	28,300	37,300	57,500	43,100	62,600	120,400	201,300		
Male										
All ages	423,800	67,800	52,000	44,300	35,100	51,400	72,700	100,300		
Under 65 years	89,300	28,100	10,100	10,800	6,300	9,300	10,300	14,400		
65 years and over	334,400	39,700	41,900	33,500	28,800	42,100	62,400	85,900		
65–74 years	80,600	16,900	10,900	8,100	*4,700	10,400	11,100	18,300		
75-84 years	141,300	15,100	19,600	13,500	13,300	17,900	27,400	34,500		
85 years and over	112,600	7,700	11,400	11,900	10,700	13,800	23,900	33,100		
Female										
All ages	1,067,700	78,300	114,700	107,500	80,200	144,200	211,500	331,300		
Under 65 years	83,800	17,700	10,200	10,900	6,200	9,000	13,300	16,600		
65 years and over	983,900	60,600	104,500	96,600	74,000	135,200	198,200	314,700		
65-74 years	131,500	11,100	18,800	15,600	10,600	18,900	24,000	32,400		
75-84 years	367,700	28,700	39,600	35,500	31,100	47,300	71,600	114,000		
85 years and over	484,700	20,800	46,100	45,500	32,300	69,000	102,500	168,400		
Both sexes				Percent dis	tribution					
All ages	100.0	9.8	11.2	10.2	7.7	13.1	19.1	28.9		
Under 65 years	100.0	26.5	11.7	12.5	7.2	10.6	13.6	17.9		
65 years and over	100.0	7.6	11,1	9.9	7.8	13.5	19.8	30.4		
65-74 years	100.0	13.2	14.0	11.2	7.3	13.8	16.6	23.9		
75-84 years	100.0	8.6	11.6	9.6	8.7	12.8	19.4	29.2		
85 years and over	100.0	4.8	9.6	9.6	7.2	13.9	21.2	33.7		
Male										
All ages	100.0	16.0	12.3	10.5	8.3	12.1	17.2	23.7		
Under 65 years	100.0	31.5	11.3	12.1	7.1	10.4	11.5	16.1		
65 years and over	100.0	11.9	12.5	10.0	8.6	12.6	18.7	25.7		
65–74 years	100.0	21.0	13.5	10.1	*5.9	13.0	13.8	22.7		
75-84 years	100.0	10.7	13.9	9.5	9.4	12.7	19.4	24.4		
85 years and over	100.0	6.8	10.1	10.6	9.5	12.3	21.2	29.4		
Female										
All ages	100.0	7.3	10.7	10.1	7.5	13.5	19.8	31.0		
Under 65 years	100.0	21.1	12.2	13.0	7.4	10.7	15.9	19.8		
65 years and over	100.0	6.2	10.6	9.8	7.5	13.7	20.1	32.0		
65-74 years	100.0	8.5	14.3	11.8	8.1	14.4	18.3	24.6		
75-84 years	100.0	7.8	10.8	9.6	8.4	12.9	19.5	31.0		
85 years and over	100.0	4.3	9.5	9.4	6.7	14.2	21.2	34.7		

Table 6. Number and percent distribution of nursing home residents by type of dependency in activities of daily living and number of dependencies, according to race and Hispanic origin: United States, 1985

			Race		Hispai	nic origin	
Dependency status	Total	White	All other	Black	Hispanic	Non- Hispanic ¹	
			Num	ber			
All residents	1,491,400	1,374,600	116,800	104,400	41,000	1,450,400	
Type of dependency							
Requires assistance in bathing	1,323,200	1,217,300	105,900	95,300	36,400	1,286,800	
Requires assistance in dressing	1,124,600	1,031,200	93,400	84,400	33,100	1,091,500	
Requires assistance in using toilet room	907,600	833,800	73,800	67,200	26,600	881,000	
Requires assistance in transferring	893,400	818,900	74,600	68,300	25,500	868,000	
Has difficulty with bowel and/or bladder control	774,400	712,900	61,500	56,700	24,800	749,600	
Requires assistance in eating	586,300	535,600	50,700	47,000	20,100	566,200	
Number of dependencies							
None	146,200	136,400	9,800	7,900	*3,500	142,700	
1	166,700	157,700	9,000	7,600	*3,900	162,800	
2	151,800	141,000	10,800	9,500	*3,400	148,400	
3	115,300	102,600	12,700	11,300	*3,300	112,000	
4	195,600	178,200	17,400	15,000	*3,800	191,800	
5	284,200	262,700	21,500	19,600	7,900	276,300	
6	431,700	396,000	35,700	33,400	15,200	416,400	
	1017700	000,000			10,200	110,100	
			Percent dis	stribution			
All residents	100.0	100.0	100.0	100.0	100.0	100.0	
Type of dependency							
Requires assistance in bathing	88.7	88.6	90.7	91.3	88.9	88.7	
Requires assistance in dressing	75.4	75.0	80.0	80.9	80.7	75.3	
Requires assistance in using toilet room	60.9	60.7	63.2	64.4	65.0	60.7	
Requires assistance in transferring	59.9	59.6	63.8	65.5	62.2	59.8	
Has difficulty with bowel and/or bladder control	51.9	51.9	52.7	54.3	60.4	51.7	
Requires assistance in eating	39.3	39.0	43.4	45.0	49.1	39.0	
Number of dependencies							
None	9.8	9.3	8.4	7.6	*8.6	9.8	
1	11.2	11.5	7.7	7.3	*9.5	11.2	
2	10.2	10.3	9.2	9.1	*8.3	10.2	
3	7.7	7.5	10.8	10.8	*8.0	7.7	
4	13.1	13.0	14.9	14.4	*9.3	13.2	
5	19.1	19.1	18.4	18.8	19.1	19.1	
6	28.9	28.8	30.6	32.0	37.2	28.7	
U	20.9	20.0	30.0	32.0	31,2	20.7	

¹Data include a small number of unknowns.

Table 7. Number and percent of nursing home residents by selected most frequent primary diagnoses at time of survey, according to sex and age: United States, 1985

Sex, age, primary diagnosis, and ICD-9-CM code ¹	Nursing resid		Sex, age, primary diagnosis, and ICD-9-CM code ¹	Nursing resid	
Both sexes, all ages	Number	Percent	Both sexes, 65-74 years	Number	Percen
Heart disease 391–392.0, 393–398, 402, 404, 410–429	234,100	15.7	Cerebrovascular disease	25,900	12.2
Ischemic heart disease	116,900	7.8	dementia	21,900	10.3
Congestive heart failure	46,900	3.1	Heart disease		
Other heart disease 391–398, 402, 404,	. 5,550	0	402, 404, 410-429	19,900	9.4
415, 420-427, 428.1-429.9	70,300	4.7	Ischemic heart disease410-414	10,700	5.1
Cerebrovascular disease 430–436	153,700	10.3	Other heart disease 391-398, 402,		
Organic brain syndrome	133,400	8.9	404, 415, 420-427, 428.1-429.9	6,900	3.2
Psychoses other than senile			Organic brain syndrome	14,100	6.7
dementia	86.700	5.8	Chronic obstructive pulmonary disease and		
Diabetes mellitus	66,000	4.4	allied conditions 490–496	12,500	5.9
Arthritis or rheumatism 710–716, 729.0	61,900	4.1	Alzheimer's disease and other specified and		
Essential hypertension	49,900	3.3	unspecified degeneration of the		
Senile dementia	44,000	2.9	brain	11,500	5.4
Chronic obstructive pulmonary disease and	,		Diabetes mellitus	11,200	5.3
allied conditions 490-496	39,600	2.7	Mental retardation317–319	6,800	3.2
Alzheimer's disease and other specified			Other mental disorders 300-309, 311-316	6,300	3.0
and unspecified degeneration of the					
brain	45,800	3.1	Both sexes, 75-84 years		
Mental retardation	34,900	2.3			
Atherosclerosis440	33,700	2.3	Heart disease 391-392.0, 393-398, 402,		
Parkınson's disease	33,200	2.2	404, 410–429	72,600	14.3
Malignant neoplasms 140–208	31,900	2.1	Ischemic heart disease410–414	34,100	6.7
Other mental disorders300-309, 311-316	31,600	2.1	Congestive heart failure	16,400	3.2
Fracture of neck of femur 820	26,600	1.8	Other heart disease 391–398, 402, 404,		
Other fractures 800-819, 821-829	15,900	1.1	415, 420–427, 428.1–429.9	22,100	4.3
			Cerebrovascular disease 430–436	61,700	12.1
Dath to 05			Organic brain syndrome310	53,300	10.5
Both sexes, under 65 years			Diabetes mellitus	28,800	5.7
Psychoses other than senile			Arthritis or rheumatism710–716, 729.0	21,400	4.2
dementia	37,700	21.8	Alzheimer's disease and other specified and		
Mental retardation	23,100	13.3	unspecified degeneration of the	10.700	2.0
Cerebrovascular disease 430–436	11,000	6.3	brain	19,700	3.9 3.7
Other mental disorders 300-309, 311-316	8,900	5.1	Senile dementia	18,600	3.7
Diabetes mellitus	8,500	4.9	Chronic obstructive pulmonary disease and	17.000	3.3
Organic brain syndrome	6,700	3.9	allied conditions	17,000 16,500	3.3
			Essential hypertension	16,500	3.2
Both sexes, 65 years and over			Psychoses other than senile dementia	16,000	3.1
•			Malignant neoplasms	15,700	3.1
Heart disease 391–392.0, 393–398, 402,			Parkinson's disease	15,000	2.9
404, 410–429	230,000	17.4	Atherosclerosis	9,500	1.9
Ischemic heart disease	114,800	8.7	Fracture of neck of femur	7,300	1.4
Congestive heart failure 428.0	46,200	3.5	Fracture of fleck of femula	7,300	1.4
Other heart disease 391–398, 402, 404,			Both sexes, 85 years and over		
415, 420–427, 428.1–429.9	69,000	5.2	·		
Cerebrovascular disease 430–436	142,700	10.8	Heart disease		
Organic brain syndrome	126,800	9.6	402, 404, 410–429	137,500	23.0
Arthritis or rheumatism710-716, 729.0	60,700	4.6	Ischemic heart disease410–414	69,900	11.7
Diabetes mellitus	57,500	4.4	Congestive heart failure 428.0	27,500	4.6
Psychoses other than senile			Other heart disease 391–398, 402, 404,		
dementia	49,100	3.7	415, 420–427, 428.1–429.9	40,000	6.7
Essential hypertension401	44,900	3.4	Organic brain syndrome310	59,300	9.9
Alzheimer's disease and other specified and			Cerebrovascular disease 430–436	55,100	9.2
unspecified degeneration of the	40.000		Arthritis or rheumatism710–716, 729.0	34,900	5.8
brain	43,600	3.3	Essential hypertension401	22,800	3.8
Senile dementia	43,200	3.3	Atherosclerosis440	22,600	3.8
Chronic obstructive pulmonary disease and	20.000	0.0	Senile dementia	20,000	3.4
allied conditions	38,000	2.9	Diabetes mellitus	17,500	2.9
Atherosclerosis	33,400	2.5	Fracture of neck of femur	16,000	2.7
Parkinson's disease	30,600	2.3	Alzheimer's disease and other specified and		
Malignant neoplasms	29,900	2.3	unspecified degeneration of the	10.400	0.4
Fracture of neck of femur	25,000	1.9	brain	12,400	2.1
Other mental disorders300–309, 311–316	22,800	1.7	Psychoses other than senile	11 000	4.0
Other fractures	14,900	1.1	dementia	11,200	1.9
Mental retardation	11,800	0.9	Other fractures	10,500	1.8

¹Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, 9th Revision, clinical modification.

Table 7. Number and percent of nursing home residents by selected most frequent primary diagnoses at time of survey, according to sex and age: United States, 1985—Con.

		n home ents	Sex, age, primary diagnosis, and ICD-9-CM code ¹	Nursing resid	
Both sexes, 85 years and over—Con.	Number	Percent	Male, 65–74 years	Number	Percen
Malignant neoplasms	10,100	1.7	Cerebrovascular disease	9,600	11.9
allied conditions	8,500	1.4	dementia	7,900	9.9
Male, all ages			404, 410–429 Chronic obstructive pulmonary disease and	7,200	8.9
Heart disease 391-392.0, 393-398, 402, 404, 410-429	52,300	12.3	allied conditions	6,300	7.8
Ischemic heart disease410-414	26,100	6.2	Male, 75-84 years		
Congestive heart failure	8,800	2.1	Heart disease 391–392.0, 393–398, 402, 404, 410–429	19,700	13.9
415, 420–427, 428.1–429.9	17,400	4.1	Ischemic heart disease410-414	7,900	5.6
Cerebrovascular disease	43,500	10.3	Other heart disease 391–398, 402, 404, 415, 420–427, 428.1–429.9	6,900	4.9
dementia	33,600	7.9	Cerebrovascular disease	17,600	12.5
Organic brain syndrome310	31,500	7.4	Organic brain syndrome310	12,500	8.8
Chronic obstructive pulmonary disease and allied conditions	17,500	4.1	Malignant neoplasms 140-208	8,000	5.7
Diabetes mellitus	17,300	4.1	Diabetes mellitus	7,500	5.3
Mental retardation	17,000	4.0	Chronic obstructive pulmonary disease and		
Alzheimer's disease and other specified and unspecified degeneration of the	.,,000	1.0	allied conditions	6,500	4.6
brain	13,900	3.3	Male, 85 years and over		
Other mental disorders 300-309, 311-316	13,600	3.2	Heart disease 391–392.0, 393–398, 402,		
Malignant neoplasms 140–208	13,500	3.2	404, 410–429	23,300	20.7
Parkinson's disease	11,600	2.7	Ischemic heart disease410–414	13,900	12.3
Senile dementia	9,300 9,100	2.2 2.1	Other heart disease 391–398, 402, 404, 415, 420–427, 428.1–429.9	6,800	6.0
Arthritis or rheumatism710–716, 729.0	7,700	1.8	Organic brain syndrome310	11,000	9.8
Atherosclerosis	7,200	1.7	Cerebrovascular disease	10,400	9.2
Male, under 65 years			Female, all ages		
Psychoses other than senile			Heart disease 391–392.0, 393–398, 402,		
dementia	19,000	21.3	404, 410–429	181,800	17.0
Mental retardation317–319	12,600	14.1	Ischemic heart disease	90,700 38,200	8.5 3.6
Other mental disorders300-309, 311-316	6,000	6.7	Other heart disease 391–398, 402, 404,	36,200	3.0
Cerebrovascular disease	5,900	6.7	415, 420–427, 428.1–429.9	52,900	5.0
			Cerebrovascular disease430–436	110,200	10.3
Male, 65 years and over			Organic brain syndrome310	101,900	9.5
Heart disease 391-392.0, 393-398, 402,			Arthritis or rheumatism710–716, 729.0 Psychoses other than senile	54,100	5.1
404, 410–429	50,100	15.0	dementia	53,100	5.0
Ischemic heart disease	24,800 8,800	7.4 2.6	Diabetes mellitus	48,700	4.6
Other heart disease 391–398, 402, 404,	8,800	2.0	Essential hypertension401	40,900	3.8
415, 420–427, 428.1–429.9	16,600	5.0	Senile dementia	34,700	3.3
Cerebrovascular disease	37,500	11.2	Alzheimer's disease and other specified and		
Organic brain syndrome310	27,100	8.1	unspecified degeneration of the		
Chronic obstructive pulmonary disease and			brain	31,900	3.0
allied conditions 490–496	17,500	5.2	Atherosclerosis	26,500	2.5
Psychoses other than senile			allied conditions	22,100	2.1
dementia	14,600	4.4	Fracture of neck of femur 820	21,900	2.0
Diabetes mellitus	13,800 12,500	4.1 3.7	Parkinson's disease	21,700	2.0
Alzheimer's disease and other specified and	12,500	3.7	Malignant neoplasms 140–208	18,400	1.7
unspecified degeneration of the			Other mental disorders 300–309, 311–316	18,100	1.7
brain	12,500	3.7	Mental retardation	17,800	1.7
Parkinson's disease	10,700	3.2	Other fractures	14,400	1.4
Senile dementia	9,000	2.7	Female under 65 veers		
Arthritis or rheumatism710-716, 729.0	7,700	2.3	Female, under 65 years		
Other mental disorders 300–309, 311–316	7,500	2.3	Psychoses other than senile		
Atherosclerosis	7,200	2.1	dementia	18,600	22.2
Essential hypertension401	6,800	2.0	Mental retardation317–319	10,500	12.5

¹Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, 9th Revision, clinical modification.

Table 7. Number and percent of nursing home residents by selected most frequent primary diagnoses at time of survey, according to sex and age: United States, 1985—Con.

Sex, age, primary diagnosis, and ICD-9-CM code ¹	Nursing resid		Sex, age, primary diagnosis, and ICD-9~CM code ¹	Nursing resid	
Female, 65 years and over	Number	Percent	Female, 75–84 years—Con.	Number	Percent
Heart disease 391-392.0, 393-398, 402,			Cerebrovascular disease430-436	44,100	12.0
404, 410–429	179,900	18.3	Organic brain syndrome310	40,900	11.1
Ischemic heart disease410-414	90,000	9.1	Diabetes mellitus	21,300	5.8
Congestive heart failure 428.0	37,500	3.8	Arthritis or rheumatism710-716, 729.0	17,900	4.9
Other heart disease 391-398, 402, 404,			Alzheimer's disease and other specified and		
415, 420-427, 428.1-429.9	52,500	5.3	unspecified degeneration of the		
Cerebrovascular disease 430-436	105,200	10.7	brain	15,300	4.2
Organic brain syndrome310	99,600	10.1	Senile dementia	14,800	4.0
Arthritis or rheumatism 710-716, 729.0	52,900	5.4	Essential hypertension401	13,600	3.7
Diabetes mellitus	43,700	4.4	Psychoses other than senile	,	
Essential hypertension401	38,100	3.9	dementia	12,200	3.3
Psychoses other than senile			Chronic obstructive pulmonary disease and		
dementia	34,500	3.5	allied conditions 490–496	10,500	2.9
Senile dementia	34,200	3.5	Parkinson's disease	9,700	2.6
Alzheimer's disease and other specified and			Other mental disorders 300-309, 311-316	8,500	2.3
unspecified degeneration of the			Atherosclerosis	7,800	2.1
brain	31,100	3.2	Fracture of neck of femur 820	6,100	1.6
Atheroscierosis440	26,200	2.7			
Fracture of neck of femur	21,400	2.2			
Chronic obstructive pulmonary disease and					
allied conditions 490-496	20,400	2.1	Female, 85 years and over		
Parkinson's disease	19,800	2.0	Heart disease 391-392.0, 393-398, 402.		
Malignant neoplasms 140-208	17,400	1.8	404, 410–429	114,200	23.6
Other mental disorders 300-309, 311-316	15,200	1.5	Ischemic heart disease410–414	56,100	11.6
Other fractures 800-819, 821-829	13,900	1.4	Congestive heart failure	24,900	5.1
Mental retardation317-319	7,300	0.7	Other heart disease 391-398, 402, 404,	2.,000	0
			415, 420-427, 428.1-429.9	33,300	6.9
Female, 65–74 years			Organic brain syndrome	48,300	10.0
Cerebrovascular disease430-436	16,400	12.4	Cerebrovascular disease 430-436	44,700	9.2
Psychoses other than senile	10,400	12.4	Arthritis or rheumatism710-716, 729.0	31,400	6.5
dementia	13,900	10.6	Essential hypertension401	20,300	4.2
Heart disease 391–392.0, 393–398, 402,	13,300	10.0	Atherosclerosis440	17,900	3.7
404, 410–429	12,700	9.7	Senile dementia	16,500	3.4
Ischemic heart disease	7,700	5.8	Fracture of neck of femur	14,100	2.9
Organic brain syndrome310	10,500	8.0	Diabetes mellitus	13,100	2.7
Diabetes mellitus	9,400	7.1	Other fractures800-819, 821-829	9,800	2.0
Alzheimer's disease and other specified and	0,400	7	Alzheimer's disease and other specified and		
unspecified degeneration of the			unspecified degeneration of the		
brain	7,000	5.3	brain	8,800	1.8
Chronic obstructive pulmonary disease and	.,000	5.5	Psychoses other than senile		
allied conditions 490–496	6,200	4.7	dementia	8,300	1.7
anica conditions	0,200	4.7	Malignant neoplasms 140-208	7,200	1.5
Female, 75-84 years			Parkinson's disease	6,700	1.4
Heart disease 391-392.0, 393-398, 402,					
404, 410–429	52,900	14.4			
Ischemic heart	26,200	7.1			
Congestive heart failure	11,500	3.1			
Other heart disease 391-398, 402, 404,					
415, 420-427, 428.1-429.9	15,200	4.1			

¹Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, 9th Revision, clinical modification.

Table 8. Average length of stay since admission of nursing home residents, average monthly charge, and average number of dependencies in activities of daily living, by primary diagnosis at time of survey: United States, 1985

Primary diagnosis and ICD-9-CM code ¹	Average length of stay since admission in days	Average monthly charge	Average number of dependencies
All categories	1,059	\$1,456	3.8
Chapter 2. Neoplasms140-239	746	1,421	4.0
Malignant neoplasms140–208	779	1,420	3.9
Chapter 3, Endocrine, nutritional, and metabolic diseases and immunity			
disorders240-279	998	1,448	3.8
Diabetes mellitus	1,088	1,436	3.7
Chapter 5. Mental disorders	1,361	1,379	3.4
Senile dementia	1,148	1,599	4.5
Other psychoses,	1,299	1,259	2.1
Specific nonpsychotic mental disorders due to organic brain damage 310	1.165	1,506	4.4
Mental retardation	2,707	1,089	2.6
Other mental disorders	1,170	1,188	2.0
Chapter 6. Diseases of the nervous system and sense organs320-389	1,098	1,568	4.5
Alzheimer's disease and other specified and unspecified degeneration	.,	.,,,,,	
of the brain	620	1,615	4.9
Parkinson's disease	951	1,498	4.6
Chapter 7. Diseases of the circulatory system	994	1,461	3.9
Essential hypertension	961	1,255	3.3
Heart disease	1.031	1,471	3.7
Ischemic heart disease	1,108	1,550	3.7
Congestive heart failure	927	1,401	3.5
Other heart disease	4	.,	
428.1–429.9	974	1,385	3.6
Cerebrovascular disease	850	1,564	4.5
Atherosclerosis	1.359	1,216	3.6
Chapter 8. Diseases of the respiratory system	708	1,558	3.2
Chronic obstructive pulmonary disease and allied conditions 490–496	747	1,548	3.0
Chapter 9. Diseases of the digestive system	847	1,447	3.6
Chapter 10. Diseases of the genitourinary system	733	1,616	4.4
Chapter 12. Diseases of the skin and subcutaneous tissue	1,120	1,423	4.1
Chapter 13. Diseases of the musculoskeletal system and connective	1,720	1,120	***
tissue710-739	1,113	1,471	3.6
Arthritis or rheumatism	1,116	1,380	3.4
Chapter 16. Symptoms, signs, and ill-defined conditions	1,071	1,416	3.8
Chapter 17. Injury and poisoning	566	1,583	4.1
Fracture of neck of femur	694	1,608	4.5
Other fractures	511	1,563	4.0
All other diagnoses	1,017	1,510	3.6
Unknown	932	1,166	2.1

¹Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, 9th Revision, clinical modification.

Table 9. Number of all-listed diagnoses of nursing home residents at time of survey by age and sex: United States, 1985

	Age						
				65 years	and over		
Sex, all-listed diagnoses, and ICD-9-CM code ¹	Total	Under 65 years	Total	65-74 years	75–84 years	85 years or over	
Both sexes				Number			
All diagnoses	4,971,700	476,300	4,495,500	703,300	1,696,300	2,095,900	
Chapter 2. Neoplasms	96,900	7,100	89,800	14,500	36,600	38,800	
Malignant neoplasms	82,600	5,900	76,700	12,900	31,400	32,300	
Chapter 3. Endocrine, nutritional, and metabolic diseases and immunity disorders 240–279	293,300	30,300	263,000	54,000	119,300	89,700	
Diabetes mellitus	186,200	20,500	165,700	35,100	74,600	56,000	
Chapter 4. Diseases of the blood and blood-forming	,		,		•	,	
organs	75,300	*4,200	71,200	10,100	23,200	37,800	
Anemias	70,600	*4,200	66,400	8,700	21,400	36,400	
Chapter 5. Mental disorders 290–319	690,100	124,300	565,700	114,200	228,400	223,200	
Senile dementia or organic brain syndrome 290, 310	357,900	16,800	341,100	39,900	135,500	165,700	
Psychoses other than senile dementia291–299	170,400	51,500	118,800	39,200	44,800	34,900	
Neurotic and personality disorders300–301	36,100	10,700	25,300	*5,400	11,800	8,100	
Mental retardation	50,600	29,900	20,700	12,300	7,200	*1,100	
Other mental disorders	75,200	15,400	59,800	17,400	29,100	13,300	
Chapter 6. Diseases of the nervous system and sense organs	509,400	80,700	428,600	83,900	165,600	179,100	
Alzheimer's disease and other specified and unspecified	~~ ~~	****		10.000	22.000	00 700	
degeneration of the brain 331.0, 331.2, 331.9	73,900	*3,200	70,700	16,000	32,000	22,700	
Parkinson's disease	70,900	*4,200	66,800	12,100	32,600	22,100	
Glaucoma	35,800	*1,100	34,700	*4,200	10,200	20,300	
Cataract	45,900	*1,800	44,100	*4,000	12,100	28,000 741,700	
Chapter 7. Diseases of the circulatory system 390–459	1,520,800	72,800 21,500	1,448,000 212,000	187,300 31,100	519,000 85,400	95,400	
Essential hypertension	233,600	21,500	212,000	31,100	65,400	35,400	
410–429	814,400	29,000	785,400	84,100	267,300	434,000	
Ischemic heart disease410–414	395,600	14,200	381,400	44,100	130,200	207,100	
Congestive heart failure	159,400	*5,100	154,300	14,500	55,800	84,000	
Other heart disease 391–398, 402, 404, 415,	100,100	5,.55	.0.,000	, ,,,,,,	55,255	0.,011	
420–427, 428.1–429.9	259,400	9,700	249,700	25,600	81,300	142,900	
Cerebrovascular disease	291,800	17,800	274,000	47,700	111,200	115,200	
Atherosclerosis	111,400	*1,800	109,600	13,000	32,500	64,200	
Chapter 8. Diseases of the respiratory system 460-519 Chronic obstructive pulmonary disease and allied	153,400	11,700	141,700	29,400	59,700	52,600	
conditions	111,100	8,000	103,100	24,400	43,900	34,800	
Chapter 9. Diseases of the digestive system 520-579	201,400	15,000	186,500	22,400	69,300	94,700	
Ulcer of stomach, duodenum, peptic ulcer, or unspecified site531-534	24,300	*1,500	22,900	*3,000	9,100	10,800	
Chapter 10. Diseases of the genitourinary	21,000	1,000		2,000	-,,,,,,,	,	
system 580–629	133,000	11,000	122,000	19,900	46,400	55,700	
Urinary tract infection	58,000	*3,300	54,600	6,900	22,200	25,500	
Chapter 12. Diseases of the skin and subcutaneous							
tissue	53,700	6,100	47,600	10,100	17,500	19,900	
connective tissue	429,300	19,000	410,300	46,400	141,500	222,400	
Arthritis or rheumatism 710-713, 716, 729.0	271,500	6,500	265,000	25,700	88,000	151,300	
Osteoporosis733.0	49,100	*1,000	48,000	*3,200	16,400	28,500	
Chapter 16. Symptoms, signs, and ill-defined							
conditions	267,500	35,800	231,700	41,900	88,400	101,400	
Senility without psychoses	57,400	*1,700	55,700	*3,800	16,200	35,700	
Chapter 17. Injury and poisoning800–999	100,700	10,900	89,800	7,100	28,300	54,400	
Fracture of neck of femur820	39,100	*1,600	37,500	*2,000	11,100	24,400	
Other fractures	35,600	*2,100	33,500	*3,100 49,700	9,900 131,900	20,400 164,200	
Supplementary classificationsV01-V82 Persons with potential health hazards related to personal	377,500	31,700	345,800				
and family history V10-V19 Persons with a condition influencing their health	230,800	17,100	213,800	28,100	81,800	103,900	
status V40-V49	132,600	13,400	119,200	20,100	44,700	54,500	
Male	4 000 000	007.505	4 400 000	070.000	404.000	205 500	
All diagnoses	1,368,300	237,500	1,130,800	270,300	464,900	395,500	
Chapter 2. Neoplasms. .140–239 Malignant neoplasms .140–208	34,800 31,900	*3,700 *3,500	31,100 28,500	*4,700 *4,400	17,900 16,600	8,500 7,400	

See footnote and notes at end of table.

Table 9. Number of all-listed diagnoses of nursing home residents at time of survey by age and sex: United States, 1985—Con.

	Age						
				65 years	and over		
Sex, all-listed diagnoses, and ICD-9-CM code ¹	Total	Under 65 years	Total	65-74 years	75–84 years	85 years or over	
Male—Con.				Number			
Chapter 3. Endocrine, nutritional, and metabolic diseases							
and immunity disorders	76,500	12,700	63,800	15,100	32,300	16,300	
Diabetes mellitus250	50,600	8,800	41,700	10,000	19,200	12,500	
Chapter 4. Diseases of the blood and blood-forming	21 400	*0.000	10.700	*5.100	7.500	6 200	
organs	21,400 20,200	*2,600 *2,600	18,700 17,500	*5,100 *4,400	7,500 7,200	6,200 5,900	
Chapter 5. Mental disorders	209,000	64,800	144,200	46,100	58.100	40,000	
Senile dementia or organic brain syndrome 290, 310	85,500	9,200	76,300	13,200	32,800	30,400	
Psychoses other than senile dementia291-299	57,900	25,900	32,000	15,200	11,000	5,800	
Neurotic and personality disorders300-301	12,500	5,800	6,700	*3,400	*2,100	*1,100	
Mental retardation	22,600	14,500	8,100	*4,800	*2,700	*600	
Other mental disorders 302–309, 311–316	30,600	9,500	21,100	9,500	9,400	*2,100	
Chapter 6. Diseases of the nervous system and sense organs	165 000	41,100	122 000	34.000	40.600	40.200	
Alzheimer's disease and other specified and unspecified	165,000 20,300	*2,200	123,900 18,100	*5,700	49,600 6,500	40,300 5,900	
degeneration of the brain	20,300	2,200	18,100	3,700	0,500	3,900	
Parkinson's disease	24,400	*1,600	22,900	*4,900	11,600	6,300	
Glaucoma	7,400	*500	6,900	*1,600	*2,800	*2,500	
Cataract	13,100	*700	12,400	*2,400	*4,100	6,000	
Chapter 7. Diseases of the circulatory system 390-459	375,700	34,700	341,000	65,900	141,100	134,000	
Essential hypertension401	51,600	11,000	40,600	9,400	18,000	13,200	
Heart disease 391-392.0, 393-398, 402, 404,	407 500	40.000	404.000		~~ ~~	=0 =00	
410–429	197,500	12,800	184,600	29,600	75,300	79,700	
Ischemic heart disease	97,100 29,900	8,200 *700	88,900	11,800 *4,700	37,900	39,200	
Other heart disease 391–398, 402, 404, 415,	25,500	700	29,200	4,700	13,200	11,300	
420–427, 428.1–429.9	70,400	*3,900	66,500	13,100	24,200	29,300	
Cerebrovascular disease430–436	79,900	9,900	70,000	17,000	31,400	21,600	
Atherosclerosis440	26,500		26,500	6,100	6,800	13,500	
Chapter 8. Diseases of the respiratory system 460-519 Chronic obstructive pulmonary disease and allied	63,300	*3,600	59,600	16,600	26,900	16,100	
conditions	47,700	*2,000	45,800	13,700	20,200	11,900	
Chapter 9. Diseases of the digestive system 520–579 Ulcer of stomach, duodenum, peptic ulcer, or unspecified site	57,600 7,600	9,700	47,800 6,400	9,900 *1,400	18,200 *2,500	19,700 *2,600	
Chapter 10. Diseases of the genitourinary	7,000	1,200	0,400	1,400	2,500	2,000	
system	46,000	4,600	41,400	8,700	15,500	17,200	
Urinary tract infection	14,000	*900	13,100	*2,600	5,700	*4,900	
Chapter 12. Diseases of the skin and subcutaneous			•	•		-	
tissue	18,000	*3,700	14,300	6,600	*3,600	*4,100	
connective tissue	78,300	6,900	71,300	14,800	26,200	30,400	
Arthritis or rheumatism710–713, 716, 729.0	40,400 *3,700	*1,400 *200	39,000	6,700 *200	12,500	19,800	
Osteoporosis		*300	*3,500	*300	*800	*2,400	
conditions	73,200	18,100	55,100	16,400	19,900	18,800	
Senility without psychoses	6,400 20,700	8,500	6,400 12,200	*600 *1,900	*800 *5,500	*4,900 *4,800	
Fracture of neck of femur820	5,900	*1,200	*4,700	*700	*1,800	*2,200	
Other fractures 800–819, 821–829	4,200	*1,300	*2,900	*900	*700	*1,300	
Supplementary classifications	110,200	16,100	94,100	19,800	37,800	36,500	
personal and family history	59,000	8,400	50,600	10,500	19,000	21,100	
statusV40-V49	45,100	6,800	38,200	9,300	16,000	13,000	
Female	0.000 500	000 000	0.004.700	400.000	1 204 222	1 700 100	
All diagnoses	3,603,500	238,800	3,364,700	433,000	1,231,300	1,700,400	
Chapter 2. Neoplasms	62,100	*3,300	58,700	9,800	18.600	30,300	
Malignant neoplasms	50,600	*2,400	48,200	8,500	14,800	24,900	
and immunity disorders	216,800 135,600	17,500 11,700	199,200 123,900	38,900 25,000	86,900 55,400	73,400 43,500	
See footnote and notes at end of table.							

Table 9. Number of all-listed diagnoses of nursing home residents at time of survey by age and sex: United States, 1985—Con.

	Age					
				65 years	and over	
Sex, all-listed diagnoses, and ICD-9-CM code ¹	Total	Under 65 years	Total	65–74 years	75-84 years	85 years or over
Female—Con.				Number		
Chapter 4. Diseases of the blood and blood-forming						
organs	54,000	*1,600	52,400	*5,000	15,700	31,700
Anemias280-285	50,400	*1,600	48,800	*4,200	14,100	30,500
Chapter 5. Mental disorders 290-319	481,100	59,500	421,500	68,100	170,400	183,100
Senile dementia or organic brain syndrome 290, 310	272,400	7,600	264,800	26,800	102,700	135,300
Psychoses other than senile dementia 291-299	112,500	25,600	86,900	24,000	33,800	29,100
Neurotic and personality disorders300-301	23,600	*4,900	18,600	*2,000	9,700	6,900
Mental retardation	27,900	15,400	12,500	7,500	4,500	*600
311–316	44,600	5,900	38,700	7,800	19,700	11,200
Chapter 6. Diseases of the nervous system and sense						
organs	344,400	39,600	304,800	49,900	116,100	138,800
degeneration of the brain 331.0, 331.2, 331.9	53,600	*1,000	52,500	10,300	25,400	16,800
Parkinson's disease	46,500	*2,600	43,900	7,200	21,000	15,800
Glaucoma	28,500	*600	27,900	*2,600	7,400	17,800
Cataract	32,800	*1,100	31,700	*1,600	8,000	22,000
Chapter 7. Diseases of the circulatory system 390–459	1,145,000	38,000	1,107,000	121,500	377,900	607,600
Essential hypertension401	182,000	10,500	171,500	21,700	67,400	82,300
Heart disease 391–392.0, 393–398, 402, 404, 410–429	616,900	16,100	600,800	54,600	191,900	354,200
Ischemic heart disease	298,500	6,000	292,500	32,300	92,200	167,900
Congestive heart failure	129,400	*4,300	125,100	9,700	42,600	72,700
420-427, 428.1-429.9	189,000	5,800	183,200	12,500	57,100	113,600
Cerebrovascular disease	211,900	7,900	204,000	30,700	79,800	93,500
Atherosclerosis	84,900	*1,800	83,100	6,900	25,600	50,700
Chapter 8. Diseases of the respiratory system460-519 Chronic obstructive pulmonary disease and allied	90,200	8,100	82,100	12,800	32,700	36,500
conditions	63,400	6,000	57,400	10,700	23,800	22,900
Chapter 9. Diseases of the digestive system 520-579 Ulcer of stomach, duodenum, peptic ulcer, or	143,900	*5,200	138,600	12,500	51,200	75,000
unspecified site531-534	16,800	*300	16,500	*1,600	6,600	8,200
Chapter 10. Diseases of the genitourinary system 580–629	87,000	6,400	80,600	11,300	30,900	38,500
Urinary tract infection 599.0	44,000	*2,500	41,500	*4,300	16,600	20,600
Chapter 12. Diseases of the skin and subcutaneous tissue	35,700	*2,300	33,300	*3,500	13,900	15,900
Chapter 13. Diseases of the musculoskeletal system and	054 000	10.100	000.000	04.000	115 200	102 000
connective tissue	351,000	12,100	338,900	31,600	115,300	192,000
Arthritis or rheumatism710–713, 716, 729.0	231,100	*5,100	226,000	19,100	75,500	131,500
Osteoporosis	45,300	*800	44,600	*2,900	15,600	26,100
conditions	194,200	17,700	176,600	25,500	68,500 15,400	82,600
Senility without psychoses	51,000	*1,700	49,300	*3,100 *5,200	15,400	30,800
Chapter 17. Injury and poisoning	80,000	*2,400	77,600	*5,200 *1,300	22,800	49,600
Fracture of neck of femur	33,200	*400 *800	32,800	*1,300 *2,200	9,300	22,200
Other fractures	31,300	*800	30,500	*2,200	9,200	19,100
Supplementary classifications	267,400	15,600	251,700	29,900	94,200	127,600
Persons with potential health hazards related to personal and family history	171,800	8,600	163,200	17,600	62,800	82,800
Persons with a condition influencing their health statusV40-V49	87,500	6,500	81,000	10,800	28,700	41,500

¹Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, 9th Revision, clinical modification.

NOTES: Because of a data processing error, estimates for all-listed diagnoses at time of survey differ from estimates presented in Hing E, Sekscenski E, Strahan G The National Nursing Home Survey, 1985 summary for the United States. National Center for Health Statistics. Vital Health Stat 13(97), 1989. See "Data processing" in appendix I for details. Figures may not add to totals because of rounding.

Table 10. Number of all-listed diagnoses of nursing home residents at time of survey by race and Hispanic origin: United States, 1985

			Race		Hispan	ic origin
All-listed diagnoses and ICD-9-CM code ¹	Total	White	All other	Black	Hispanic	Non- Hispanic²
		· <u></u>	Num			
All diagnoses	4,971,700	4,553,000	418,700	376,000	132.900	4,838,900
-			-			
Chapter 2. Neoplasms	96,900 82,600	88,000 75,400	8,900 7,200	8,300 6,900	*1,600 *1,600	95,300 81,000
immunity disorders	293,300	256,800	36,400	32,600	8,200	285,000
Diabetes mellitus	186,200	157,900	28,300	25,100	*5,600	180,700
Chapter 4. Diseases of the blood and blood-forming						
organs	75,300	69,200	6,200	*4,900 *4,900	*1,200 *1,200	74,200
Chapter 5. Mental disorders	70,600 690,100	64,400 633,200	6,200 56,800	51,200	27,500	69,400 662,500
Senile dementia or organic brain syndrome	357,900	327,500	30,400	28,100	14,900	343,000
Psychoses other than senile dementia	170,400	153,800	16,600	14,700	6,700	163,600
Neurotic and personality disorders	36,100	34,100	*2,000	*2,000	*1,500	34,600
Mental retardation	50,600	47,700	*2,800	*2,100	*1,200	49,300
Other mental disorders	75,200	70,100	*5,100	*4,400	*3,200	72,000
Chapter 6. Diseases of the nervous system and sense	, 0,200	70,.00	0,.00	.,	0,200	, 2,000
organs	509,400	468,500	40,900	37,700	14,900	494,500
degeneration of the brain	73,900	70,900	*3,000	*2,700	*1,900	72,000
Parkinson's disease	70,900	68,400	*2,500	*2,200	*2,500	68,500
Glaucoma	35,800	32,300	*3,500	*3,500	*800	35,100
Cataract	45,900	41,900	*4,000	*3,300	*800	45,100
Chapter 7. Diseases of the circulatory system	1,520,800	1,383,000	137,800	127,400	36,000	1,484,700
Essential hypertension	233,600	208,600	24,900	22,500	6,000	227,600
Heart disease 391-392.0, 393-398, 402, 404, 410-429	814,400	745,600	68,700	64,100	18,900	795,500
Ischemic heart disease	395,600	365,800	29,800	28,400	9,900	385,700
Congestive heart failure	159,400	145,100	14,200	13,300	*3,400	155,900
428.1–429.9	259,400	234,700	24,700	22,300	*5,500	253,900
Cerebrovascular disease	291,800	258,500	33,300	31,100	8,800	283,000
Atherosclerosis	111,400	104,600	6,800	6,000	*1,100	110,300
Chapter 8. Diseases of the respiratory system	153,400	142,000	11,400	9,100	*5,000	148,400
conditions	111,100	102,600	8,600	6,700	*3,800	107,300
Chapter 9. Diseases of the digestive system	201,400	190,000	11,500	9,500	*3,300	198,100
site	24,300	22,600	*1,700	*1,100	*300	24,100
Chapter 10. Diseases of the genitourinary system 580–629	133,000	123,100 54,000	9,900 *4,000	7,700 *3,600	*5,000 *1,800	128,000 56,200
Urinary tract infection	58,000 53,700	50,200	*3,500	*3,200	*1,500	52,200
Chapter 13. Diseases of the musculoskeletal system and connective	53,700	30,200	3,300	3,200	1,500	52,200
tissue	429,300	401,700	27,600	24,500	10,500	418,800
Arthritis or rheumatism	271,500	256,900	14,700	12,900	6,000	265,500
Osteoporosis	49,100	48,100	*1,000	*1,000	*1,100	48,000
Chapter 16. Symptoms, signs, and ill-defined	.0,.00	.0,.00	1,000	1,000	1,,,,,,	10,000
conditions	267,500	241,400	26,100	24,400	7,100	260,400
Senility without psychoses	57,400	52,600	*4,800	*4,500	*1,200	56,200
Chapter 17. Injury and poisoning800-999	100,700	96,200	*4,500	*4,000	*1,900	98,800
Fracture of neck of femur820	39,100	36,900	*2,200	*1,700	*300	38,900
Other fractures	35,600	34,600	*1,000	*1,000	*900	34,700
Supplementary classifications	377,500	347,000	30,500	25,200	7,600	369,900
Persons with potential health hazards related to personal and family history	230,800	213,600	17,200	13,500	*5,200	225,600
Persons with a condition influencing their health status	132,600	124,000	8,600	7,000	*2,400	130,200

¹Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, 9th Revision, clinical modification.

NOTES: Because of a data processing error, estimates for all-listed diagnoses at time of survey differ from estimates presented in Hing E, Sekscenski E, Strahan G. The National Nursing Home Survey, 1985 summary for the United States. National Center for Health Statistics. Vital Health Stat 13(97). 1989. See "Data processing" in appendix I for details. Figures may not add to totals because of rounding.

²Data include a small number of unknowns.

Table 11. Prevalence rate of selected diagnoses at time of survey per 1,000 nursing home residents, by age and sex: United States, 1985

		<u>-</u> -		Age		
		Undor		65 year	s and ove	r
All-listed diagnoses and ICD-9-CM code ¹	Tota/	Under 65 years	Total	65-74 years	75–84 years	85 years and over
Both sexes			Rate per 1	1,000 resid	lents	
Chapter 2. Neoplasms	57.1	*29.4	60.7	58.3	62.9	59.7
Malignant neoplasms	48.1	*24.2	51.3	51.0	53.0	49.9
disorders	180.4	161.7	182.8	224.2	215.1	140.7
Diabetes mellitus	124.2	116.9	125.2	164.0	146.3	93.4
Chapter 4. Diseases of the blood and blood-forming organs	49.5	*24.2	52.9	45.5	44.1	63.0
Anemias	47.0	*24.2	50.0	40.8	41.4	60.5
Chapter 5. Mental disorders	405.8 233.7	589.1 92.3	381.7 252.2	447.3 182.1	391.6 259.4	349.9 271.0
Senile dementia or organic brain syndrome	110.6	288.4	252.2 87.3	175.4	259.4 85.9	57.1
Neurotic and personality disorders	23.4	60.0	18.6	*25.5	21.7	13.6
Mental retardation	33.9	172.7	15.7	58.0	14.2	*1.9
Other mental disorders	47.9	87.4	42.8	74.9	53.3	22.3
Chapter 6. Diseases of the nervous system and sense organs	285.6	379.4	273.3	335.3	279.1	246.3
brain	49.2	*18.5	53.2	75.4	61.8	38.0
Parkinson's disease	47.4	*24.0	50.4	55.7	64.0	37.1
Glaucoma	24.0	*6.4	26.4	*19.7	20.1	34.0
Cataract	30.8	*10.5	33.4	*18.7	23.8	46.9
Chapter 7. Diseases of the circulatory system	602.4	286.4	643.9	546.8	616.2	702.0
Essential hypertension	156.4	124.4	160.6	145.7	167.9	159.8
Heart disease	368.4	127.0	400.1	266.3	363.3	479.0
Ischemic heart disease	241.5 106.8	74.5 *29.2	263.5 117.0	174.9 68.2	234.5 109.7	319.6 140.7
Congestive heart failure	152.3	51.2	165.5	104.7	143.7	205.8
Cerebrovascular disease	182.1	96.5	193.3	219.9	202.2	176.3
Atherosclerosis	74.7	*10.1	83.2	61.4	63.8	107.4
Chapter 8. Diseases of the respiratory system	90.9	54.3	95.7	124.7	101.8	80.2
Chronic obstructive pulmonary disease and allied conditions 490-496	68.4	39.7	72.2	107.1	78.9	54.2
Chapter 9. Diseases of the digestive system	111.4	71.3	116.6	95.2	112.9	127.4
Ulcer of stomach, duodenum, peptic ulcer, or unspecified site 531-534	16.3	*8.4	17.4	*14.2	17.8	18.1
Chapter 10. Diseases of the genitourinary system	82.8	55.5	86.4	82.0	87.6	86.9
Urinary tract infection599.0	38.9	*19.3	41.4	32.4	43.7	42.7
Chapter 12. Diseases of the skin and subcutaneous tissue	35.0	34.3	35.1	47.9	33.4	32.0
tissue	252.3	97.9	272.6	189.7	244.9	325.7
Arthritis or rheumatism	179.1 32.9	37.8 *6.0	197.6 36.4	118.9 *15.0	169.3 32.2	249.7 47.7
Chapter 16. Symptoms, signs, and ill-defined conditions	161.3	184.0	158.3	171.6	157.3	154.5
Senility without psychoses	38.5	*9.9	42.2	*17.7	31.9	59.7
Chapter 17. Injury and poisoning	63.0	57.7	63.7	32.1	52.7	84.4
Fracture of neck of femur 820	26.1	*9.3	28.2	*9.4	21.8	40.5
Other fractures	22.8	*10.8	24.3	*13.7	18.5	33.1
Supplementary classifications	207.8	151.1	215.3	197.3	206.9	228.9
Persons with potential health hazards related to personal and family						
history	133.7 84.8	85.1 75.7	140.1 86.0	114.6 90.0	132.2 82.4	155.9 87.7
Male						
Chapter 2. Neoplasms	70.9	*32.9	81.1	*48.3	108.2	70.5
Malignant neoplasms	64.5	*29.9	73.7	*45.2	99.7	61.5
Chapter 3. Endocrine, nutritional, and metabolic diseases and immunity						
disorders	169.5	134.6	178.8	175.6	211.1	140.5
Diabetes mellitus	118.8	99.1	124.1	124.4	135.8	109.2
Chapter 4. Diseases of the blood and blood-forming organs	49.9	*29.5	55.3	*60.7	52.7	54.8
Anemias	47.6	*29.5	52.4	54.9	51.3	52.0
Chapter 5. Mental disorders	417.8	598.3	369.6	461.3	346.6	332.9
Senile dementia or organic brain syndrome	197.5	102.8	222.8 92.4	163.5	225.1 74.3	262.3 *51.5
Psychoses other than senile dementia	132.5 29.4	282.7 *64.9	19.9	181.5 *42.0	*15.0	*10.2
Mental retardation	53.4 53.4	162.2	24.3	*59.9	*19.4	*5.0
Other mental disorders	65.0	102.9	54.9	100.1	57.8	*19.0
5.110. Montal disordois	55.0	. 02.5	Ų-T.J	. 55.1	57.0	. 5.0

See footnote and note at end of table.

Table 11. Prevalence rate of selected diagnoses at time of survey per 1,000 nursing home residents, by age and sex: United States, 1985—Con.

				Age		
		Under		65 year	rs and ove	r
All-listed diagnoses and ICD~9~CM code ¹	Total	65	T-+-(65-74	75-84	85 years
All-listed diagnoses and ICD-3-CM code	Total	years		years	years	and over
Male—Con.			Rate per 1	1,000 resid	dents	
Chapter 6. Diseases of the nervous system and sense organs	327.1	372.3	315.1	352.6	307.8	297.4
brain	47.9	*24.3	54.2	*70.6	46.3	52.4
Parkinson's disease	57.0	*17.5	67.5	*57.7	82.1	56.3
Glaucoma	17.5	*5.6	20.6	*19.5	*19.9	*22.3
Cataract	31.0	*8,1	37.1	*29.4	*28,8	53.0
Chapter 7. Diseases of the circulatory system	531.7	270.6	601.4	502.8	595.3	679.8
Essential hypertension401	121.7	123.4	121.3	116.6	127.3	117.2
Heart disease	316.3	111.6	370.9	236.3	371.5	466.6
Ischemic heart disease410-414	207.5	76.9	242.3	126.0	239.7	328.9
Congestive heart failure	70.7	*7.9	87.4	*58.9	93.5	100.2
Other heart disease391-398, 402, 404, 415, 420-427, 428.1-429.9	143.5	*43.6	170.2	126.7	158.4	216.1
Cerebrovascular disease	175.5	101.7	195.3	210.6	205.5	171.3
Atherosclerosis	62.5	-	79.2	76.2	48.5	119.9
Chapter 8. Diseases of the respiratory system	131.9	33.0	158.3	189.3	161.2	132.4
Chronic obstructive pulmonary disease and allied conditions	105.6	*21.9	128.0	163.2	128.7	101.8
Chapter 9. Diseases of the digestive system	112.7	86.2	119.8	111.2	108.4	140.1
Ulcer of stomach, duodenum, peptic ulcer, or unspecified site531–534	17.9	*13.0	19.2	*17.0	*17.7	*22.8
Chapter 10. Diseases of the genitourinary system	101.2	*46.5	115.8	99.9	104.2	141.8
Urinary tract infection	33.0	*9.7	39.2	*31.9	*40.0	*43.4
Chapter 12. Diseases of the skin and subcutaneous tissue	41.5	*40.3	41.8	82.3	*25.3	*33.7
tissue	167.3	68.9	193.6	171.5	170.7	238.2
Arthritis or rheumatism	94.6	15.9	115.6	83.0	88.3	173.3
Osteoporosis	*8.8	*3.1	*10.4	*4.1	*5.4	*21.1
Chapter 16. Symptoms, signs, and ill-defined conditions	148.7	177.3	141.1	173.5	117.1	148.1
Senility without psychoses	15.0	-	19.0	*8.0	*5.9	*43.5
Chapter 17. Injury and poisoning	44.8	84.7	34.1	*23.4	*36.7	*38.5
Fracture of neck of femur	13.9	*13.2	*14.1	*8.3	*12.8	*19.9
Other fractures	*9.4	*11.9	*8.8	*11.7	*5.1	*11.3
Supplementary classifications	221.7	153.3	239.9	211.6	224.2	279.9
history	123.9	81.1	135.3	118.3	115.7	172.0
Persons with a condition influencing their health status	102.3	76.5	109.2	105.8	109.7	110.9
Female						
Chapter 2. Neoplasms	51.6	*25.7	53.8	64.5	45.5	57.1
Malignant neoplasms	41.7	*18.1	43.7	54.5	35.1	47.2
Chapter 3. Endocrine, nutritional, and metabolic diseases and immunity						
disorders	184.7	190.5	184.2	253.9	216.6	140.8
Diabetes mellitus	126.3	135.8	125.5	188.3	150.3	89.7
Chapter 4. Diseases of the blood and blood-forming organs	49.4	*18.5	52.0	*36.1	40.7	64.9
Anemias	46.7	*18.5	49.2	*32.2	37.7	62.5
Chapter 5. Mental disorders	401.0	579.3	385.8	438.7	408.9	353.9
Senile dementia or organic brain syndrome	248.0	81.2	262.3	193.5	272.6	273.1
Psychoses other than senile dementia	101.9	294.5	85.5	171.7	90.3	58.5
Neurotic and personality disorders	21.0	*54.7	18.2	*15.3	24.3	14.3
Mental retardation	26.2	183.8	12.7	56.9	*12.2	*1.2
Other mental disorders	41.2	70.9	38.6	59.5	51.6	23.1
Chapter 6. Diseases of the nervous system and sense organs	269.1	386.9	259.0	324.7	268.1	234.4
brain	49.7	*12.3	52.9	78.4	67.7	34.7
Parkinson's disease	43.6	*30.9	44.6	54.5	57.0	32.6
Glaucoma	26.6	*7.2	28.3	*19.8	20.2	36.8
Cataract	30.7	*13.0	32.2	*12.2	21.8	45.5
Chapter 7. Diseases of the circulatory system	630.5	303.2	658.4	573.7	624.3	707.2
Essential hypertension	170.2	125.6	174.0	163.6	183.4	169.7
Heart disease	389.1	143.3	410.0	284.6	360.1	481.9
Ischemic heart disease	255.1	71.9	270.7	204.8	232.5	317.5
Congestive heart failure	121.2	*51.8	127.1	73.9	115.9	150.0
04						.111.5 1
Other heart disease 391–398, 402, 404, 415, 420–427, 428.1–429.9	155.8	*59.2	164.0	91.2	138.0	203.4
Other heart disease 391–398, 402, 404, 415, 420–427, 428.1–429.9 Cerebrovascular disease 430–436 Atherosclerosis 440	184.6 79.5	91.0 *21.0	192.6 84.5	225.5 52.3	200.9 69.7	177.4 104.5

See footnote and note at end of table.

Table 11. Prevalence rate of selected diagnoses at time of survey per 1,000 nursing home residents, by age and sex: United States, 1985—Con.

				Age		
		Under		65 year	rs and ove	r
All-listed diagnoses and ICD-9-CM code ¹	Total	65 years	Total	65-74 years	75–84 years	85 years and over
Female—Con.		i	Rate per 1	,000 resid	lents	
Chapter 8. Diseases of the respiratory system	74.7	77.0	74.5	85.1	79.0	68.1
Chronic obstructive pulmonary disease and allied conditions 490–496	53.7	*58.8	53.3	72.7	59.7	43.1
Chapter 9. Diseases of the digestive system	110.8	55.3	115.6	85.4	114.7	124.5
Ulcer of stomach, duodenum, peptic ulcer, or unspecified site 531-534	15.7	*3.5	16.7	*12.5	17.9	17.0
Chapter 10. Diseases of the genitourinary system	75.5	*65.1	76.4	71.1	81.2	74.2
Urinary tract infection	41.2	*29.7	42.2	*32.8	45.1	42.6
Chapter 12. Diseases of the skin and subcutaneous tissue 680-709	32.4	*27.9	32.8	*26.8	36.5	31.6
Chapter 13. Diseases of the musculoskeletal system and connective						
tissue	286.1	128.8	299.5	200.7	273.5	346.0
Arthritis or rheumatism	212.6	61.1	225.5	140.8	200.5	267.5
Osteoporosis	42.5	*9.2	45.3	*21.7	42.5	53.9
Chapter 16. Symptoms, signs, and ill-defined conditions	166.3	191.1	164.2	170.5	172.7	156.0
Senility without psychoses	47.8	*20.4	50.1	*23.7	41.9	63.5
Chapter 17. Injury and poisoning	70.3	*29.0	73.8	*37.4	58.8	95.1
Fracture of neck of femur	30.9	*5.3	33.1	*10.0	25.2	45.2
Other fractures	28.1	*9.6	29.6	*14.9	23.6	38.2
Supplementary classifications	202.4	148.7	206.9	188.5	200.3	217.0
Persons with potential health hazards related to personal and family						
history	137.6	89.4	141.7	112.3	138.5	152.1
Persons with a condition influencing their health status	77.9	74.7	78.2	80.3	71.9	82.4

¹Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, 9th Revision, clinical modification.

NOTE: Resident may have had more than 1 diagnosis.

Table 12. Prevalence rate of selected diagnoses at time of survey per 1,000 nursing home residents by race and Hispanic origin: United States, 1985

Race, Hispanic origin, all-listed diagnoses, and ICD–9–CM code ¹	Rate per 1,000 residents	Race, Hispanic origin, all-listed diagnoses, and ICD—9—CM code ¹	Rate per 1,000 residents
White		Black—Con.	-
Heart disease		Chronic obstructive pulmonary disease and allied	
404, 410–429	369.3	conditions	64.5
Ischemic heart disease	242.3	Atherosclerosis	57.5
Congestive heart failure	105.6	Hispanic origin	
420-427, 428.1-429.9	150.2	Senile dementia or organic brain syndrome 290, 310	341.2
Senile dementia or organic brain syndrome 290, 310	232.2	Heart disease	
Arthritis or rheumatism710–713, 716–729.0	183.6	404, 410–429	339.8
Cerebrovascular disease	174.6	Ischemic heart disease	234.0
Essential hypertension	151.6	Cerebrovascular disease430–436	206.9
Diabetes mellitus	114.2 108.3	Psychoses other than senile dementia291-299	146.9
Psychoses other than senile dementia291–299 Atherosclerosis	76.1	Arthritis or rheumatism710-713, 716, 729.0	146.9
Chronic obstructive pulmonary disease and allied	76,1	Essential hypertension	146.2
conditions	68.0	Non-Hispanic origin ²	
degeneration of the brain	51.2	Heart disease	
Parkinson's disease	49.6	404, 410–429	369.2
Other mental disorders	48.3	Ischemic heart disease	241.7
Malignant neoplasms140–208	48.2	Congestive heart failure	107.5
Anemias	46.5	Other heart disease 391-398, 402, 404, 405,	· · -
Urinary tract infection	39.3	420-427, 428.1-429.9	152.9
Senility without psychoses	38.2	Senile dementia or organic brain syndrome 290, 310	230.6
Osteoporosis	35.0	Cerebrovascular disease430-436	181.4
Mental retardation	34.7	Arthritis or rheumatism	180.0
Cataract	30.5	Essential hypertension401	156.7
Fracture of neck of femur820	26.6	Diabetes mellitus250	123.9
Neurotic and personality disorders300-301	24.2	Psychoses other than senile dementia291-299	109.6
Other fractures	24.0	Atherosclerosis	76.0
Glaucoma	23.5	Chronic obstructive pulmonary disease and allied conditions	67.9
		Alzheimer's disease and other specified and unspecified	07.0
		degeneration of the brain	49.3
Black		Malignant neoplasms140-208	48.4
Heart disease		Anemias280-285	47.5
404, 410–429	366.6	Other mental disorders	47.1
Ischemic heart disease	249.7	Parkinson's disease	47.0
Congestive heart failure428.0	127.9	Urinary tract infection	38.7
Other heart disease 391–398, 402, 404, 405,		Senility without psychoses797	38.7
420-427, 428.1-429.9	174.1	Mental retardation	34.0
Cerebrovascular disease430-436	280.9	Osteoporosis733.0	33.1
Senile dementia or organic brain syndrome 290, 310	260.5	Cataract366	31.1
Diabetes mellitus	240.2	Fracture of neck of femur820	26.6
Essential hypertension401	215.3	Glaucoma365	24.2
Psychoses other than senile dementia291-299	136.1	Neurotic and personality disorders	23.1
Arthritis or rheumatism	123.9	Other fractures	22.8

¹Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, 9th Revision, clinical modification. ²Includes a small number of unknowns.

NOTE: Resident may have had more than 1 diagnosis.

Table 13. Number and percent distribution of nursing home residents by mental status, according to age and sex: United States, 1985

				Age		
				65 years	and over	
Sex and mental status	All residents	Under 65 years	Total	65–74 years	75–84 years	85 years and over
			Numb	er		
Both sexes	1,491,400	173,100	1,318,300	212,100	509,000	597,300
Current mental disorders						
	E10 000	27.600	470 200	60 100	100 500	220 700
No mental disorders ¹	510,000	37,600	472,300	69,100	182,500 326.500	220,700 376,600
	981,500 81.100	135,500 44,500	846,000 36,600	142,900 19,300	13,400	*4,000
Mental retardation	41,800	14,100	27,700	12,400	11,800	*3,600
Drug abuse or dependence	13,900	*4,100	9,900	*2,100	*4,700	*3,100
	646,700	28,000	618,800	72,200	231,100	315,500
Senile dementia or chronic organic brain syndrome	205,300		-	38,400	77,800	61,100
Depressive disorders		28,000	177,300			
Schizophrenia	85,200	41,700	43,400	23,100	13,500	6,900
Other psychoses	34,900	6,000	29,000	8,300	11,800	8,900
Anxiety disorders	200,700	28,100	172,600	31,700	73,700	67,200
Personality or character disorders	164,700	31,800	132,900	31,100	56,700	45,100
Other mental disorders	6,300	*500	5,800	*600	*2,400	*2,900
Behavioral problems	572,600	68,700	503,900	75,300	202,100	226,500
Disorientation or memory impairment	922,500	96,700	825,900	118,000	309,400	398,500
Disturbance of mood	623,700	70,400	553,300	97,900	211,000	244,300
Male	423,800	89,300	334,400	80,600	141,300	112,600
Current mental disorders						
		10.100	40=000	04.000	FF 700	40.500
No mental disorders ¹	145,500	18,400	127,000	24,900	55,700	46,500
Has mental disorders ²	278,300	70,900	207,400	55,700	85,600	66,100
Mental retardation	36,000	22,200	13,800	8,300	*5,300	*300
Alcohol abuse or dependence	31,200	12,100	19,100	8,400	9,100	*1,600
Drug abuse or dependence	*4,800	*2,400	*2,300	*800	*1,300	*300
Senile dementia or chronic organic brain syndrome	155,500	14,900	140,600	24,200	59,500	56,900
Depressive disorders	53,100	14,000	39,100	14,300	14,600	10,200
Schizophrenia	35,000	20,400	14,600	9,600	*4,200	*900
Other psychoses	12,300	*2,600	9,700	*4,500	*4,500	*600
Anxiety disorders	52,100	13,400	38,600	12,600	19,300	6,800
Personality or character disorders	58,800	16,400	42,400	14,000	20,300	8,100
Other mental disorders	*1,300	*300	*1,000		*300	*800
Behavioral problems	163,900	34,100	129,800	27.400	57.600	44,900
Disorientation or memory impairment	248,300	51,700	196,500	41,600	82,900	72,100
Disturbance of mood	158,900	36,300	122,500	33,400	50,900	38,200
Female	1,067,700	83,800	983,900	131,500	367,700	484,700
		·				
Current mental disorders						
No mental disorders ¹	364,500	19,200	345,300	44,300	126,800	174,200
Has mental disorders ²	703,200	64,600	638,600	87,200	240,900	310,500
Mental retardation	45,100	22,300	22,800	11,000	8,100	*3,700
Alcohol abuse or dependence	10,600	*2,100	8,500	*3,900	*2,600	*2,000
Drug abuse or dependence	9,200	*1,600	7,500	*1,200	*3,400	*2,900
Senile dementia or chronic organic brain syndrome	491,200	13,100	478,100	47,900	171,700	258,500
Depressive disorders	152,300	14,000	138,200	24,100	63,200	50,800
Schizophrenia	50,100	21,300	28,800	13,500	9,300	6,000
Other psychoses	22,600	*3,400	19,300	3,800	7,200	8,300
Anxiety disorders	148,600	14,700	134,000	19,100	54,500	60,400
Personality or character disorders	105,900	15,400	90,400	17,100	36,300	37,000
•		•			*2,100	*2,200
Other mental disorders	*5,000	*200	*4,800	*600	∠,100	2,200
Behavioral problems	408,700	34,600	374,100	47,900	144,600	181,600
Disorientation or memory impairment	674,300	44,900	629,300	76,500	226,500	326,400
Disturbance of mood	464,800	34,100	430,800	64,500	160,100	206,100

See footnotes at end of table.

Table 13. Number and percent distribution of nursing home residents by mental status, according to age and sex: United States, 1985—Con.

				Age		
				65 years a	and over	
Current mental disorders o mental disorders² mental retardation Alcohol abuse or dependence Drug abuse or dependence Senile dementia or chronic organic brain syndrome. Depressive disorders Schizophrenia Other psychoses Anxiety disorders Personality or character disorders. Other mental disorders chavioral problems sorientation or memory impairment sturbance of mood ale. Current mental disorders o mental disorders² mental disorders² mental disorders² se mental disorders Schizophrenia Other psychoses Anxiety disorders Other mental disorders² Alcohol abuse or dependence Drug abuse or dependence Senile dementia or chronic organic brain syndrome. Depressive disorders Personality or character disorders. Other psychoses Anxiety disorders Personality or character disorders. Other mental disorders chavioral problems sorientation or memory impairment sturbance of mood male Current mental disorders chavioral problems sorientation or memory impairment sturbance of mood male Current mental disorders chavioral problems soriental disorders² mental disorders² mental disorders² mental disorders² mental disorders² mental disorders² Mental retardation Alcohol abuse or dependence Senile dementia or chronic organic brain syndrome.	All residents	Under 65 years	Total	65—74 years	75–84 years	85 years and over
			Percent dist	ribution		
Both sexes	100.0	100.0	100.0	100.0	100.0	100.0
Current mental disorders						
No mental disorders ¹	34.2	21.7	35.8	32.6	35.9	36.9
	65.8	78.3	64.2	67.4	64.1	63.1
	5.4	25.7	2.8	9.1	2.6	*0.7
	2.8	8.2	2.1	5.8	2.3	*0.6
•	0.9	*2.4	0.7	*1.0	*0.9	*0.5
	43.4	16.1	46.9	34.0	45.4	52.8
· · · · · · · · · · · · · · · · · · ·	13.8	16.2	13.4	18.1		10.2
· .					15.3	
•	5.7	24.1	3.3	10.9	2.6	1.1
	2.3	3.4	2.2	3.9	2.3	1.5
•	13.5	16.2	13.1	14.9	14.5	11.3
Personality or character disorders	11.0	18.4	10.1	14.7	11.1	7.5
Other mental disorders	0.4	*0.3	0.4	*0.3	*0.5	*0.5
Behavioral problems	38.4	39.7	38.2	35.5	39.7	37.9
Disorientation or memory impairment	61.9	55.8	62.6	55.7	60.8	66.7
Disturbance of mood	41.8	40.7	42.0	46.2	41.5	40.9
Male	100.0	100.0	100.0	100.0	100.0	100.0
Current mental disorders						
d						
	34.3	20.6	38.0	30.9	39.4	41.3
las mental disorders ²	65.7	79.4	62.0	69.1	60.6	58.7
Mental retardation	8.5	24.9	4.1	10.2	*3.7	*0.2
Alcohol abuse or dependence	7.4	13.5	5.7	10.5	6.5	*1.4
Drug abuse or dependence	*1.1	*2.7	*0.7	*1.0	*0.9	*0.2
	36.7	16.6	42.1	30.1	42.1	50.6
· · · · · · · · · · · · · · · · · · ·	12.5	15.7	11.7	17.7	10.3	9.1
·	8.3	22.9	4.4	11.9	*2.9	*0.8
·	2.9	*2.9	2.9	*5.6	*3.2	*0.6
·						_
·	12.3	15.0	11.6	15.6	13.6	6.0
·	13.9 *0.3	18.4 *0.3	12.7 *0.3	17.4 -	14.4 *0.2	7.2 *0.7
•	38.7 58.6	38.2 57.9	38.8 58.8	34.0 51.6	40.7 58.7	39.9 64.0
	37.5	40.7	36.6	41.5	36.0	33.9
	100.0	100.0	100.0	100.0	100.0	100.0
	34.1	22.9	35.1	33.7	34.5	35.9
	65.9	77.1	64.9	66.3	65.5	64.1
	4.2	26.6	2.3	8.4	2.2	*0.8
Alcohol abuse or dependence	1.0	*2.5	0.9	*3.0	*0.7	*0.4
Drug abuse or dependence	0.9	*2.0	0.8	*0.9	*0.9	*0.6
Senile dementia or chronic organic brain syndrome	46.0	15.6	48.6	36.4	46.7	53.3
Depressive disorders	14.3	16.8	14.0	18.4	17.2	10.5
Schizophrenia	4.7	25.4	2.9	10.3	2.5	1.2
Other psychoses	2.1	4.0	2.0	2.9	2.0	1,7
Anxiety disorders	13.9	17.5	13.6	14.5	14.8	12.5
•						
Personality or character disorders	9.9 *0.5	18.4 *0.3	9.2 *0.5	13.0 *0.4	9.9 *0.6	7.6 *0.4
Behavioral problems Disorientation or memory impairment	38.3 63.2	41.3 53.6	38.0 64.0	36.4 58.1	39.3 61.6	37.5 67.3
Disturbance of mood	43.5	40.7	43.8			
ASCHIMBING OF HICKORY AND	43.5	40./	45.0	49.0	43.6	42,5

 $^{^{1}\}mathrm{Data}$ include a small number of unknowns. $^{2}\mathrm{Resident}$ may have had more than 1 mental disorder.

Table 14. Number and percent distribution of nursing home residents by mental status, according to race and Hispanic origin: United States, 1985

			Race			
			All	other	Hispai	nic origin
Current mental disorders o mental disorders ¹ os mental disorders ² Mental retardation. Alcohol abuse or dependence Drug abuse or dependence Senile dementia or chronic organic brain syndrome Depressive disorders. Schizophrenia Other psychoses Anxiety disorders. Personality or character disorders Other mental disorders. havioral problems sorientation or memory impairment sturbance of mood. tal. Current mental disorders mental disorders ¹ s mental disorders ² Mental retardation Alcohol abuse or dependence Drug abuse or dependence	All residents	White	Total	Black	Hispanic	Non- Hispanic ¹
			Num	ber		
Total	1,491,400	1,374,600	116,800	104,400	41,000	1,450,400
Current mental disorders						
No mental disorders ¹	510,000	468,400	41,600	37,200	10,300	400.00/
Has mental disorders ²	981,500	906,200	75,300	67,200		499,600
Mental retardation	81,100	75,000	6,200	*4,700	30,700 *2,200	950,800
	41,800	35,400	6,400	*5,700		78,900
Drug abuse or dependence	13,900	13,700	*300	*300	*2,100	39,700
Senile dementia or chronic organic brain syndrome	646,700	•			-	13,900
Depressive disorders	205.300	597,400	49,400	45,600	22,000	624,700
Schizonhrenia		192,300	13,000	10,500	6,400	198,900
	85,200	77,000	8,200	6,600	*3,100	82,100
Apwiety disorders	34,900	32,100	*2,800	*2,500	*1,900	33,000
Personality or character discussion	200,700	185,400	15,300	12,800	5,800	194,900
	164,700	149,400	15,300	14,700	5,800	158,900
Other mental disorders	6,300	5,800	*500	*500	-	6,300
Behavioral problems	572,600	525,200	47,400	43,600	18,700	553,900
Disorientation or memory impairment	922,500	847,100	75,400	68,600	28,700	893,800
Disturbance of mood	623,700	580,300	43,400	38,700	22,300	601,400
			Percent dis	stribution		
Total	100.0	100.0	100.0	100.0	100.0	100.0
Current mental disorders						
No mental disorders ¹	34.2	34.1	35.6	35.6	25.2	34.4
Has mental disorders ²	65.8	65.9	64.4	64.4	74.8	65.6
Mental retardation	5.4	5.5	5.3	*4.5	*5.4	5.4
Alcohol abuse or dependence	2.8	2.6	5.5	*5.4	*5.2	2.7
Drug abuse or dependence	0.9	1.0	*0.2	*0.3	0.2	1.0
Senile dementia or chronic organic brain syndrome	43.4	43.5	42.3	43.7	53.7	43.1
Depressive disorders	13.8	14.0	11.1	10.0	15.7	13.7
Schizophrenia	5.7	5.6	7.0		*7.5	
Other psychoses	2.3	2.3	*2.4	6.3 *2.4	*4.7	5.7 2.3
Anxiety disorders	2.5 13.5	2.3 13.5				
Personality or character disorders	11.0	10.9	13.1 13.1	12.3 14.1	14.3 14.1	13.4
Other mental disorders	0.4	0.4	*0.4	*0.5	14.1 -	11.0 0.4
Behavioral problems	38.4	38.2	40.6	41.0	45.7	20.0
Disorientation or memory impairment.	61.9			41.8	45.7	38.2
Disturbance of mood		61.6	64.6	65.7	70.0	61.6
Distribution of module, , , , , , , , , , , , , , , , , , ,	41.8	42.2	37.2	37.1	54.4	41.5

 $^{^{1}\}mbox{Data}$ include a small number of unknowns. $^{2}\mbox{Resident}$ may have more than 1 mental disorder.

Table 15. Number and percent distribution of nursing home residents, by living arrangement prior to admission: United States, 1985

			Age			
				65 years a	and over	
Sex and living arrangement prior to admission	Total	Under 65 years	Total	65–74 years	75–84 years	85 years and over
Both sexes			Numb	er		
All residents	1,491,400	173,100	1,318,300	212,100	509,000	597,300
Private or semiprivate residence	566,800	40,800	526,000	61,900	206,300	257,800
Alone	201,000	7,500	193,400	17,400	74,900	101,100
With family members	275,200	26,300	248,900	34,000	101,000	114,000
With nonfamily members	48,100	*3,800	44,300	6,600	16,900	20,800
Unknown if with others	42,500	*3,200	39,300	*3,900	13,500	21,900
Another health facility	862,700	121,100	741,600	141,600	284,500	315,500 68,400
Another nursing home	181,900	22,000	159,900 510,500	27,400 83,900	64,100 194,500	232,100
General or short-stay hospital ¹	557,400 73,100	46,800 34,200	38,900	16,100	16,100	6,700
Mental facility ²	29,700	11,200	18,500	9,700	*4,600	*4,200
Other health facility	34,800	10,000	24,700	6,900	9,400	8,500
Unknown or other arrangement	47,900	8,100	39,800	6,200	14,100	19,500
Officiows of other analysment	47,000	0,100	00,000	0,200	,	,
Male					444.000	110.000
All males	423,800	89,300	334,400	80,600	141,300	112,600
Private or semiprivate residence	140,000	18,500	121,500	18,700	52,600	50,200
Alone	41,900	*2,900	39,000	5,000	17,200 26,800	16,800 28,000
With family members	75,800	11,400 *2,300	64,400 10,800	9,600 2,800	*5,100	*3,000
With nonfamily members	13,100 9,200	*1,900	7,200	*1,300	*3,500	*2,400
Another health facility	263,800	64,300	199,500	58,300	82,700	58,500
Another nursing home	54,500	10,800	43,700	11,100	18,600	14,000
General or short-stay hospital ¹	140,600	22,900	117,700	28,500	51,500	37,700
Mental facility ²	32,800	16,200	16,500	7,700	6,500	*2,300
Veterans hospital	29,300	11,200	18,200	9,400	*4,600	*4,200
Other health facility	11,100	*4,900	6,200	*2,600	*2,500	*1,100
Unknown or other arrangement	15,500	*4,700	10,700	*2,600	*5,100	*3,100
Female						
All females	1,067,700	83,800	983,900	131,500	367,700	484,700
Private or semiprivate residence	426,800	22,300	404,500	43,200	153,800	207,600
Alone	159,100	*4,600	154,400	12,400	57,700	84,300
With family members	199,400	14,900	184,500	24,400	74,200	86,000
With nonfamily members	34,900	*1,500	33,500	*3,800	11,800	17,800
Unknown if with others	33,400	*1,300	32,100	*2,600	10,000	19,500
Another health facility	598,900	56,800	542,100	83,300	201,800	257,000 54,400
Another nursing home	127,400	11,100 23,900	116,200 392,800	16,300 55,400	45,500 143,000	194,500
General or short-stay hospital ¹	416,800 40,300	18,000	22,300	8,400	9,600	*4,400
Veterans hospital	*400	10,000	*400	*400	5,000	,
Other health facility	23,700	*5,100	18,600	*4,300	6,900	7,400
Unknown or other arrangement	32,400	*3,400	29,000	*3,700	8,900	16,500
Both sexes			Percent dist	ribution		
All residents	100.0	100.0	100.0	100.0	100.0	100.0
Private or semiprivate residence	38.0	23.6	39.9	29.2	40.5	43.2
Alone	13.5	4.3	14.7	8.2	14.7	16.9
With family members	18.5	15.2	18.9	16.0	19.8	19.1
With nonfamily members	3.2	*2.2	3.4	3.1	3.3	3.5
Unknown if with others	2.9	*1.8	3.0	*1.8	2.7	3.7
Another health facility	57.8	70.0	56.3	66.8	55.9	52.8
Another nursing home	12.2	12.7	12.1	12.9	12.6	11.5 38.9
General or short-stay hospital ¹	37.4	27.1 17.6	38.7	39.5	38.2	38.9 1.1
Mental facility ²	4.5 2.0	17.6 6.4	2.8 1.4	7.0 4.6	2.9 *0.9	*0.7
VEGERAUS DOSDUAL	2.0	0.4	1		0.5	0.7
Other health facility	2.3	5.8	1.9	3.3	1.8	1.4

See footnotes and note at end of table.

Table 15. Number and percent distribution of nursing home residents, by living arrangement prior to admission: United States, 1985—Con.

			Age			
				65 years a	and over	
rate or semiprivate residence Ilone Vith family members Vith nonfamily members Inknown if with others Inknown if with others Interval or short-stay hospital or short-s	Total	Under 65 years	Total	65–74 years	75–84 years	85 years and over
Male			Percent dist	ribution		
All males	100.0	100.0	100.0	100.0	100.0	100.0
Private or semiprivate residence	33.0	20.8	36.3	23.2	37.2	44.6
Alone	9.9	*3.2	11.7	6.2	12.2	14.9
With family members	17.9	12.8	19.3	12.0	18.9	24.9
With nonfamily members	3.1	*2.6	3.2	3.4	*3.6	*2.6
Unknown if with others	2.2	*2.2	2.2	*1.6	*2.5	*2.2
Another health facility	62.3	72.0	59.6	72.4	58.5	52.0
Another nursing home	12.9	12.1	13.1	13.8	13.1	12.4
General or short-stay hospital ¹	33.2	25.7	35.2	35.4	36.5	33.5
Mental facility ²	6.9	15.5	4.7	9.2	4.1	*2.1
Veterans hospital	6.9	12.5	5.4	11.6	*3.2	*3.8
Other health facility	2.6	*5.5	1.9	*3.3	*1.7	*1.0
Unknown or other arrangement	3.6	*5.3	3.2	*3.2	*3.6	*2.7
Female						
All females	100.0	100.0	100.0	100.0	100.0	100.0
Private or semiprivate residence	40.0	26.6	41.1	32.8	41.8	42.8
Alone	14.9	*5.5	15.7	9.4	15.7	17.4
With family members	18.7	17.8	18.8	18.5	20.2	17.7
With nonfamily members	3.3	*1.8	3.4	*2.9	3.2	3.7
Unknown if with others	3.1	*1.5	3.3	*2.0	2.7	4.0
Another health facility	56.1	67.8	55.1	63.3	54.9	53.0
Another nursing home	11.9	13.3	11.8	12.4	12.4	11.2
General or short-stay hospital ¹	39.0	28.6	39.9	42.1	38.9	40.1
Mental facility ²	3.5	19.9	2.1	5.6	2.5	*0.9
Veterans hospital	*0.0	-	*0.0	*0.3	-	-
Other health facility	2.2	*6.1	1.9	*3.2	1.9	1.5
Unknown or other arrangement	3.0	*4.1	3.0	*2.8	2.4	3.4

¹Psychiatric units are excluded. ²Mental hospitals, facilities for the mentally retarded, general or short-stay hospital psychiatric units, and mental health centers are included.

Table 16. Number and percent distribution of nursing home residents by living arrangement prior to admission, according to marital status, race, and Hispanic origin: United States, 1985

		Marital status								
				Divorced			Race		Hispar	nic origin
Living arrangement prior to admission	Total	Married	Widowed ¹	or separated	Never married	White	All other	Black	Hispanic	Non- Hispanic ¹
					Numb	per				
All residents	1,491,400	188,200	914,800	117,000	271,400	1,374,600	116,800	104,400	41,000	1,450,400
Private or semiprivate residence	566,800	69,600	380,500	31,700	84,900	532,900	33,900	30,100	12,500	554,300
Alone	201,000	*3,400	158,100	11,100	28,300	193,400	7,600	6,200	*3,500	197,500
With family members	275,200	63,000	159,500	13,300	39,400	255,900	19,300	17,700	8,400	266,800
With nonfamily members	48,100	*1,700	30,800	*4,300	11,300	43,900	*4,200	*3,700	*600	47,500
Unknown if with others	42,500	*1,500	32,100	*3,000	5,900	39,700	*2,800	*2,600	-	42,500
Another health facility	862,700	116,400	494,500	80,100	171,800	785,200	77,500	70,000	27,100	835,600
Another nursing home	181,900	25,100	108,200	15,700	32,800	170,500	11,300	10,500	*4,600	177,300
General or short-stay hospital ²	557,400	77,600	356,400	38,800	84,600	503,000	54,400	49,700	17,300	540,000
Mental facility ³	73,100	6,000	16,000	12,200	38,800	66,100	6,900	*5,000	*3,100	69,900
Veterans hospital	29,700	6,100	6,200	8,600	8,700	27,700	*2,000	*2,000	*1,600	28,100
Other health facility	34,800	*2,100	15,700	*5,400	11,500	31,100	*3,700	*3,700	*500	34,300
Unknown or other arrangement	47,900	*1,600	31,800	*4,600	10,000	43,300	*4,600	*3,400	*1,300	46,600
					Percent dis	stribution				
All residents	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Private or semiprivate residence	38.0	37.0	41.6	27,1	31.3	38.8	29.1	28.9	30.5	38.2
Alone	13.5	*1.8	17.3	9.5	10.4	14.1	6.5	5.9	*8.5	13.6
With family members	18.5	33.5	17.4	11.4	14.5	18.6	16.6	16.9	20.5	18.4
With nonfamily members	3.2	*0.9	3.4	*3.7	4.2	3.2	*3.6	*3.5	*1.5	3.3
Unknown if with others	2.9	*0.8	3.5	*2.5	2,2	2.9	*2.4	*2.5		2.9
Another health facility	57.8	61.9	54.1	68.4	63,3	57.1	66.3	67.1	66.2	57.6
Another nursing home	12.2	13.3	11.8	13.4	12,1	12.4	9.7	10.0	*11.1	12.2
General or short-stay hospital ²	37.4	41.2	39.0	33.1	31.2	36.6	46.5	47.6	42.2	37.2
Mental facility ³	4.9	3.2	1.8	10.4	14.3	4.8	5.9	*4.8	*7.7	4.8
Veterans hospital	2.0	3.2	0.7	7.4	3.2	2.0	*1.7	*1.9	*3.9	1.9
Other health facility	2.3	*1.1	1.7	*4.6	4.2	2.3	*3.1	*3.5	*1.3	2.4
Unknown or other arrangement	3.2	*0.9	3.5	*3.9	3.7	3.1	*4.0	*3.3	*3.3	3.2

¹Data include a small number of unknowns. ²Psychiatric units are excluded.

³Mental hospitals, facilities for the mentally retarded, general or short-stay hospital psychiatric units, and mental health centers are included.

Table 17. Number and percent distribution of nursing home residents by prior nursing home and hospital utilization, according to age, sex, and race: United States, 1985

				Age							
				65 years	and over					Race 	
	4.11	Under	-				5	ex		All d	other
Prior nursing home and hospital utilization	All residents	65 years	Total	65-74 years	75–84 years	85 years and over	Male	Female	White	Total	Black
						Number					
Total	1,491,400	173,100	1,318,300	212,100	509,000	597,300	423,800	1,067,700	1,374,600	116,800	104,400
Other stays in any nursing home											
Yes No or unknown	558,900 932,600	71,800 101,300	487,000 831,300	83,100 129,000	180,300 328,700	223,600 373,600	157,500 266,300	401,400 666,300	519,100 855,500	39,800 77,100	34,900 69,500
Previous stays at sample facility											
Yes No or unknown	326,100 1,165,300	41,100 132,000	285,000 1,033,300	44,700 167,400	100,000 409,000	140,300 456,900	87,600 336,200	238,500 829,200	301,600 1,073,000	24,500 92,300	22,400 81,900
Number of previous stays at sample facility											
None	1,165,300 190,900 106,500 28,700	132,000 23,800 12,200 *5,100	1,033,300 167,200 94,300 23,500	167,400 26,100 15,400 *3,300	409,000 63,100 30,000 6,900	456,900 78,000 48,900 13,400	336,200 50,600 30,300 6,700	829,200 140,300 76,200 21,900	1,073,000 172,400 102,500 26,700	92,300 18,600 *4,000 *2,000	81,900 16,700 *4,000 *1,700
Stays at other nursing homes											
Yes	283,600 1,035,700 172,100	39,600 108,400 25,100	244,000 927,400 147,000	46,700 140,400 25,000	93,800 355,900 59,300	103,500 431,100 62,700	83,500 290,100 50,100	200,100 745,600 122,000	264,100 954,000 156,600	19,500 81,800 15,500	16,400 74,200 13,700
Number of other nursing homes used											
None	1,207,900 213,800 21,200 48,500	133,500 26,300 *3,500 9,800	1,074,400 187,600 17,700 38,700	165,400 32,700 *4,800 9,200	415,200 75,100 6,700 12,000	493,800 79,800 6,200 17,500	340,300 63,800 7,200 12,500	867,600 150,000 14,000 36,000	1,110,600 199,600 19,800 44,700	97,300 14,300 *1,400 *3,800	87,900 11,700 *1,400 *3,400
Hospital stays while a resident in sample facility											
Yes	319,800 1,171,600	25,100 148,000	294,700 1,023,600	42,500 169,600	114,600 394,400	137,700 459,600	84,700 339,000	235,100 832,600	301,700 1,072,900	18,100 98,700	15,400 89,000
Number of hospital stays while a nursing home resident											
None	1,171,600 190,600 129,200	148,000 16,200 8,900	1,023,600 174,500 120,300	169,600 24,700 17,800	394,400 67,800 46,800	459,600 82,000 55,700	339,000 49,000 35,700	832,600 141,700 93,500	1,072,900 179,600 122,100	98,700 11,000 7,100	89,000 9,000 6,400

See note at end of table.

Table 17. Number and percent distribution of nursing home residents by prior nursing home and hospital utilization, according to age, sex, and race: United States, 1985—Con.

				Age						Race	
		Under		65 years a	nd over		S	'ex		All o	
Prior nursing home and hospital utilization	All residents	65 years	Total	65-74 years	75–84 years	85 years and over	Male	Female	White	Total	Black
					Per	cent distribut	ion				
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Other stays in any nursing home											
Yes	37.5 62.5	41.5 58.5	36.9 63.1	39.2 60.8	35.4 64.6	37.4 62.6	37.2 62.8	37.6 62.4	37.8 62.2	34.0 66.0	33.4 66.6
Previous stays at sample facility											
Yes No or unknown	21.9 78.1	23.8 76.2	21.6 78.4	21.1 78.9	19.6 80.4	23.5 76.5	20.7 79.3	22.3 77.7	21.9 78.1	21.0 79.0	21.5 78.5
Number of previous stays at sample facility									-		
None	78.1 12.8 7.1 1.9	76.2 13.7 7.1 *3.0	78.4 12,7 7.2 1.8	78.9 12.3 7.2 *1.5	80.4 12.4 5.9 1.4	76.5 13.1 8.2 2.2	79.3 11.9 7.1 1.6	77.7 13.1 7.1 2.1	78.1 12.5 7.5 1.9	79.0 15.9 *3.4 *1.7	78.5 16.0 *3.8 *1.7
Stays at other nursing homes											
Yes	19.0 69.4 11.5	22.9 62.6 14.5	18.5 70.3 11.2	22.0 66.2 11.8	18.4 69.9 11.7	17.3 72.2 10.5	19.7 68.5 11.8	18.7 69.8 11.4	19.2 69.4 11.4	16.7 70.0 13.3	15.8 71.1 13.1
Number of other nursing homes used											
None	81.0 14.3 1.4 3.3	77.1 15.2 *2.0 5.7	81.5 14.2 1.3 2.9	78.0 15.4 *2.3 4.3	81.6 14.8 1.3 2.4	82.7 13.4 1.0 2.9	80.3 15.1 1.7 3.0	81.3 14.1 1.3 3.4	80.8 14.5 1.4 3.3	83.3 12.2 *1.2 *3.3	84.2 11.2 *1.3 *3.2
Hospital stays while a resident in sample facility											
Yes	21.4 78.6	14.5 85.5	22.4 77.6	20.0 80.0	22.5 77.5	23.0 77.0	20.0 80.0	22.0 78.0	21.9 78.1	15.5 84.5	14.7 85.3
Number of hospital stays while a nursing home resident											
None	78.6 12.8 8.7	85.5 9.3 5.2	77.6 13.2 9.1	80.0 11.6 8.4	77.5 13.3 9.2	77.0 13.7 9.3	80.0 11.6 8.4	78.0 13.3 8.8	78.1 13.1 8.9	84.5 9.4 6.1	85.3 8.6 6.1

Table 18. Percent distribution of nursing home residents by selected characteristics and average length of stay since admission, according to primary source of payment in month before interview: United States, 1985

	Primary source of payment in month before interview							
		0			Medicaio			
Characteristic	All sources	Own income or family support	Medicare	Total	Skilled nursing care	Inter- mediate care	Other government assistance or welfare	All other sources
Sex and age				Percent	distribution	1		
Both sexes, all ages	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 65 years. 65 years and over. 65–74 years 75–84 years 85 years and over.	11.6 88.4 15.3 34.1 40.0	7.3 92.7 12.4 37.2 43.7	*3.0 97.0 *25.3 47.5 *24.2	13.2 86.8 16.1 32.5 39.7	14.9 85.1 13.4 32.1 41.3	12.3 87.7 17.6 32.8 38.9	29.0 71.0 28.0 23.2 20.7	28.4 71.6 22.0 25.0 24.6
Male, all ages	28.4	29.0	33.3	25.1	24.8	25.3	38.6	59.9
Under 65 years 65 years and over. 65–74 years 75–84 years 85 years and over.	6.0 22.4 5.8 9.5 7.5	4.3 24.7 4.9 10.1 10.0	*3.0 30.3 *11.7 *14.3 4.2	5.7 19.5 5.5 8.8 5.7	6.2 18.6 3.9 8.6 6.4	5.4 19.9 6.3 8.9 5.4	15.6 23.0 *8.9 *10.2 *4.0	24.4 35.5 16.7 *9.8 *9.0
Female, all ages	71.6	71.0	66.7	74.9	75.2	74.7	61.4	40.1
Under 65 years 65 years and over. 65–74 years 75–84 years 85 years and over.	5.6 66.0 9.5 24.7 32.5	3.0 68.0 7.5 27.1 33.7	66.7 *13.6 33.2 *19.9	7.5 67.3 10.6 23.7 34.0	8.6 66.5 9.5 23.5 34.9	6.9 67.8 11.3 23.9 33.5	13.3 48.0 19.2 13.1 16.7	*4.0 36.1 *5.3 15.2 15.6
Race								
WhiteAll other	92.2 7.8 7.0	97.2 2.8 2.2	94.9 *5.1 *3.8	88.1 11.9 10.8	87.7 12.3 10.2	88.4 11.6 11.1	86.5 13.5 13.1	94.8 *5.2 *5.2
Hispanic orıgın								
Hispanic Non-Hispanic ¹	2.7 97.3	2.1 97.9	*5.1 94.9	3.4 96.6	4.0 96.0	3.1 96.9	*0.4 99.6	*2.9 97.1
Current marital status								
Married	12.6 61.3 7.8 18.2	14.8 66.1 4.7 14.4	*20.8 64.6 *6.7 *7.9	10.5 60.5 9.1 19.9	12.4 60.4 8.4 18.8	9.4 60.6 9.5 20.4	12.7 35.6 12.5 39.2	14.3 37.9 23.8 24.1
Living arrangement prior to admission								
Private or semiprivate residence Alone With family members With nonfamily members Unknown if with others Another health facility Another nursing home General or short-stay hospital ² Mental facility ³ Veterans hospital Other health facility or unknown. Unknown or other arrangement	38.0 13.5 18.5 3.2 2.9 57.8 12.2 37.4 4.9 2.0 2.3 3.2	44.9 18.7 19.8 3.5 2.9 50.7 12.2 33.1 2.4 2.2 1.8 3.4	*15.9 *8.4 *4.9 *2.6 - 82.8 *2.3 80.4 - *1.4	33.2 9.2 18.4 2.8 2.8 63.2 12.5 42.8 6.0 *0.6 2.2 2.7	24.3 6.1 13.9 2.4 *1.9 72.9 10.7 55.4 5.0 *0.7 *1.7	38.0 10.9 20.9 3.0 3.3 57.9 13.5 35.9 6.5 0.6 2.4 3.0	34.2 11.9 16.7 *2.5 *3.2 61.6 13.6 17.6 20.4 - *10.5 *3.7	36.9 16.6 *9.5 *7.5 *3.3 51.7 *10.5 *10.0 *6.2 23.9 *3.0 *9.6

See footnotes at end of table.

Table 18. Percent distribution of nursing home residents by selected characteristics and average length of stay since admission, according to primary source of payment in month before interview: United States, 1985—Con.

	Primary source of payment in month before interview								
	All sources	Own income or family support	Medicare	Medicaid					
Characteristic				Total	Skilled nursing care	Inter- mediate care	Other government assistance or welfare	All other sources	
Length of stay since admission				Percent	distribution	n			
Less than 3 months	12.9	16.2	76.0	8.2	9.3	7.6	*7.5	21.7	
3 months to less than 6 months	9.5	11.3	*6.6	7.9	10.1	6.7	*5.8	15.6	
6 months to less than 12 months	14.1	16.1	*5.6	13.1	14.7	12.3	*7.9	13.7	
1 year to less than 3 years	31.5	31.4	*5.3	33.3	32.7	33.6	33.4	15.7	
3 years to less than 5 years	13.9	12.5	*4.0	15.3	14.6	15.7	16.2	*12.0	
5 years or more	18.1	12.5	*2.5	22.2	18.7	24.1	29.2	21.2	
				Length of	stay in da	ys			
Average length of stay since admission	1,059	811	187	1,253	1,122	1,324	1,619	1,016	

¹Data include a small number of unknowns.

²Psychiatric units are excluded.

³Mental hospitals, facilities for the mentally retarded, general or short-stay hospital psychiatric units, and mental health centers are included.

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Appendix I Technical notes on methods

Survey design

From August 1985 through January 1986, the Division of Health Care Statistics (DHCS) conducted the 1985 National Nursing Home Survey (NNHS)—a sample survey of nursing homes, their residents, discharges, and staff in the conterminous United States. The survey was designed and developed by NCHS, with input from several other Federal agencies. The 1985 survey was the third of a series of surveys designed to satisfy the diverse data needs of those who establish standards for, provide, and assess long-term care services. The first survey was conducted from August 1973 through April 1974, and the second survey was conducted from May through December 1977.

Sampling frame

The 1985 NNHS included all types of nursing and related care homes with three or more beds set up and staffed for use by residents and routinely providing nursing and personal care services. Facilities were either freestanding establishments or nursing care units of hospitals, retirement centers, or similar institutions maintaining financial and employee records separate from those of the larger institutions. Residential care facilities were excluded. These included community care facilities in California, adult congregate living facilities in Florida, family care homes in Kentucky, and adult foster care homes in Michigan (1).

The universe for the 1985 NNHS consisted of four components: (a) the base, the 1982 National Master Facility Inventory (NMFI), which is a census of nursing and related care homes; (b) data on homes identified in the 1982 Complement Survey of the NMFI as "missing" from the 1982 NMFI; (c) data on hospital based nursing homes obtained from the Health Care Financing Administration; and (d) data on nursing homes opened for business between 1982 and June 1, 1984. The resulting frame contained information on 20,479 nursing and related care facilities. Detailed descriptions of the 1982 NMFI survey design and procedures have been published (1).

Because not all residential care facilities could be identified, an unknown number of them were present in the sampling frame. It was not until after the 1986 Inventory of Long-Term Care Places (ILTCP) had been conducted that such facilities could be classified as residential facilities and that an

estimate could be obtained for the number of these facilities that were included in the 1985 NNHS.

Using the 1986 ILTCP to identify homes in the 1985 NNHS sample that were classified as residential in 1986, 32 such homes were found. The weights for these homes produced an estimate of 2,200 residential facilities and 71,000 beds for 1985. Table I gives a comparison of the two surveys reflecting this adjustment in residential facilities.

Estimates for the 1985 NNHS will not correspond precisely to figures from either the 1982 NMFI census or the 1986 ILTCP survey for several other reasons. Among the reasons for differences are that the three surveys differed in time of data collection and in data collection procedures and that the 1982 NMFI was a combination of data collected by 35 States and data collected by the NCHS via mail survey in the remaining States and in the 35 States where certain types of nursing and related care homes were not surveyed by these States. In contrast, the NNHS is conducted by personal interview. Thus the NNHS methodology permitted more scrutiny in the identification and exclusion of facilities that were out of scope. Finally, because the NNHS is a sample survey, its data are subject to sampling variability; because the NMFI and ILTCP surveys are a census, their data are not.

Sampling design

The sampling was basically a stratified two-stage probability design. The first stage was the selection of facilities, and the second stage was the selection of residents, discharges, and R.N.'s from the sample facilities. In preparation for the first-stage sample selection, facilities listed in the universe were sorted into the following types of strata, based on Medicare and Medicaid certification: (a) certified by either Medicare or Medicaid.

Table I. Comparison between the 1985 NNHS (estimates) and 1986 ILTCP showing number of homes and beds by type of home

	1985 NNHS		198	6 ILTCP	
Type of home	Homes	Beds	Homes	Beds	
Total	19,100	1,624,200	26,400	1,767,500	
Certified Uncertified Residential	14,400 2,500 2,200	1,441,300 111,900 71,000	14,100 3,000 9,300	1,451,200 114,500 201,800	

NOTE: NNHS = National Nursing Home Survey; ILTCP = Inventory of Long-Term Care Places.

Facilities in each of these two strata were sorted by frame source: (a) 1982 Complement Survey and (b) all other sources (that is, 1982 NMFI, HCFA hospital-based nursing homes, and nursing homes opened between 1982 and 1984). Facilities in the Non-Complement Survey strata were further sorted by bed size, producing the 20 primary strata as shown in table II. The nursing homes in the universe were ordered by ownership, geographic region, metropolitan status, State, county and MSA (metropolitan statistical area), and ZIP Code. The sample was then selected systematically after a random start within each primary stratum. Table II shows the distribution of facilities in the sampling frame and the final disposition of the sample with regard to response and scope status.

The number of nursing homes estimated in the survey is less than the universe figure (20,479) for several reasons. Some facilities went out of business or became ineligible for the scope of the survey between the time the universe was frozen and the survey was conducted. A facility was considered out of scope if it did not provide nursing, personal, or domiciliary care services (for example, a facility providing only room and board) or if it was a nursing care unit or wing of a hospital, retirement center, or similar institution without separate financial and employee records for that unit.

The second-stage sampling of residents, discharges, and registered nurses was carried out by the interviewers at the time of their visits to the facilities in accordance with specific instructions to assure a probability sample. The sample frame for residents was the total number of residents on the register of the facility on the evening prior to the day of the survey.

Residents who were physically absent from the facility due to overnight leave or a hospital visit but who had a bed maintained for them at the facility were included in the sample frame. A sample of five or fewer residents per facility was selected.

The sampling frame for discharges was the total number of persons discharged alive or dead during the 12 months prior to the survey date. Persons who were discharged more than once during this 12-month period in the same nursing home were listed for each discharge. Current residents discharged during the 12 months prior to the survey and then readmitted to the sample nursing home were also eligible to be included in the discharge sampling frame. Forty-five of the sampled discharges were also included in the current resident sample. A sample of six or fewer discharges per facility was selected.

The sampling frame for nursing staff included all R.N.'s who were employed by the facility on the day of the survey. Registered nurses working under a special contractual arrangement or through a temporary service were included if they were scheduled to work during the 24 hours constituting the survey day. A sample of four or fewer R.N.'s per facility was selected.

Data collection procedures for the 1985 NNHS

The 1985 NNHS utilized nine questionnaires (see appendix III for facsimiles of selected questionnaires):

- Facility Questionnaire
- Expense Questionnaire and Definition Booklet

Table II. Number of facilities in the 1985 National Nursing Home Survey universe and sample, by disposition and sampling strata: Conterminous United States, 1985

			Sample			
	Universe		Out of scope or	In scope and in business		
Sampling strata	(sampling frame) ¹	All facilities	out of business	Nonresponding	Responding	
All types of certification	20,479	1,220	57	84	1,079	
Certified						
Complement survey homes	24	19	1	2	16	
3–14 beds	112	5	2	0	3	
15-24 beds	384	9	1	0	8	
25-49 beds	1,876	43	4	3	36	
50-99 beds	5,000	269	9	21	239	
100-199 beds	4,604	478	9	28	441	
200-399 beds	861	196	1	13	182	
400-599 beds	77	17	1	3	13	
600 beds or more	26	10	1	0	9	
Unknown bed size	20	10	1	3	6	
Not certified						
Complement survey homes	336	14	3	0	11	
3-14 beds	2,346	8	3	1	4	
15-24 beds	1,087	10	3	1	6	
25-49 beds	1,185	15	2	1	12	
50-99 beds	1,029	35	1	3	31	
100-199 beds	727	39	2	3	34	
200-399 beds	132	14	1	1	12	
400-599 beds	19	5	1	0	4	
600 beds or more	7	4	1	0	3	
Unknown bed size	627	20	10	1	9	

¹The universe consisted of nursing homes in the 1982 National Master Facility Inventory (NMFI), nursing homes in the 1982 Complement Survey of the NMFI, hospital-based nursing homes from the Health Care Financing Administration file, and nursing homes opened for business from 1982 to 1984.

- Nursing Staff Sampling List
- Nursing Staff Questionnaire
- Current Resident Sampling List
- Current Resident Questionnaire
- Discharged Resident Sampling List
- Discharged Resident Questionnaire
- Next-of-Kin Questionnaire.

Data were collected according to the following procedures:

- A letter was sent to the administrator of the sample facility informing him or her of the survey and of the fact that an interviewer would contact him or her for an appointment. Included with this introductory letter were letters of endorsement from the American Association of Homes for the Aging, the American College of Health Care Administrators, and the American Health Care Association urging the administrator to participate in the survey. A sample report from the 1977 survey was also enclosed to illustrate how the data would be published.
- At least 1 week after the letters had been mailed, the interviewer telephoned the sample facility and made an appointment with the administrator.
- 3. During the appointment, the Facility Questionnaire was completed by the interviewer of the administrator (or designee) of the nursing home. After completing this form, the interviewer secured the administrator's authorization for completion of the Expense Questionnaire (EQ). Possible respondents to the EQ included accountants, administrators, and other knowledgeable staff members. Results from the survey indicate that the respondents were evenly divided into two groups: accountants located outside the facility and administrators and other staff members, such as bookkeepers, based in the facility. When a prepared financial statement was available, it was accepted in lieu of an EO. This occurred in one-half of the cases. The interviewer completed the Nursing Staff Sampling List, selected the sample of R.N.'s from it, and prepared Nursing Staff Questionnaires. These were left for each sample nurse to complete, seal in an addressed envelope, and return either to the interviewer by hand or to the data processing headquarters by mail. The interviewer completed the Current Resident Sampling List (a list of all residents in the facility on the night before the day of the survey), selected the sample of residents from it, and completed a Current Resident Questionnaire for each sample resident

by interviewing the member of the nursing staff most familiar with care provided to that resident. The nurse referred to the resident's medical record when responding. No resident was interviewed directly.

The interviewer then completed the Discharged Resident Sampling List (a list of all persons discharged alive or dead during the 12 months preceding the survey date), selected a sample of discharges from it, and completed for that stay a Discharged Resident Questionnaire for each sample discharge by interviewing a member of the nursing staff, who referred to medical records. In larger facilities, a team of two or three interviewers conducted the survey to reduce the time spent in the facility.

Follow-up information on the two patient samples was collected via a computer-assisted telephone interview with a next of kin of the current or discharged resident, using the Next-of-Kin (NOK) Questionnaire.

The next of kin interviewed was identified in the Current Resident and Discharged Resident Questionnaires and included relatives, guardians, and anyone familiar with the sampled resident. A discharged resident could also be contacted if discharged to a place of residence and residing there at the time of the survey. An attempt was made to identify the "best respondent" while obtaining next-of-kin information from the nursing home. The best respondent was mailed a letter of information about the survey, contacted by telephone, and administered the NOK Questionnaire. Table III presents a summary of the data collection procedures.

General qualifications

Nonresponse and imputation of missing data

For nursing homes that agreed to participate, response rates differed for each type of questionnaire:

Questionnaire	Response rate (percent)	Number responding
Facility	100	1,079
Expense	68	732
Current Resident	97	5,243
Discharged Resident	95	6,023
Nursing Staff	80	2,763
Next-of-Kin	90	9,134

Generally, response rates were higher for questionnaires administered in a personal interview situation (Facility, Current Resident, Discharged Resident, and NOK) than for those that

Table III. Summary of data collection procedures

Questionnaire	Respondent	Interview situation	
Facility Questionnaire	Administrator	Interview	
Expense Questionnaire	Administrator, owner, accountant, or bookkeeper	Self-enumerated	
Nursing Staff Sampling List	Staff members	Informal interview or copied from records	
Nursing Staff Questionnaire	Sampled registered nurses	Self-enumerated	
Current Resident Sampling List	Staff member who refers to current resident census	Informal interview or copied from records	
Current Resident Questionnaire	Nurse who refers to medical record	Interview	
Discharged Resident Sampling List	Staff member who refers to discharge records	Informal interview or copied from records	
Discharged Resident Questionnaire	Nurse who refers to medical record	Interview	
Next-of-Kin Questionnaire	Relatives, guardians, or anyone familiar with the sampled person	Telephone interview	

were self-enumerated (Expense and Staff). Statistics presented in this report were adjusted for failure of a facility to respond (that is, to participate in the survey) and for failure to complete any of the other questionnaires (Expense, Current Resident, Discharged Resident, Nursing Staff, or NOK). Those items left unanswered on a partially completed questionnaire were generally imputed by assigning a value from a responding unit with major characteristics identical to those of the nonresponding unit.

Rounding of numbers

Estimates of residents have been rounded to the nearest hundred. For this reason, detailed figures within tables do not always add to totals. Percents were calculated on the original, unrounded figures and will not necessarily agree precisely with percents that might be calculated from rounded data.

Data processing

Extensive editing was conducted by computer to assure that all responses were accurate, consistent, logical, and complete. Once the data base was edited, the computer was used to calculate and assign weights, ratio adjustments, recodes, and other related procedures necessary to produce national estimates from the sample data.

After the publication of The National Nursing Home Survey: 1985 Summary for the United States, Series 13, No. 97 (6), a data processing error concerning the number of all-listed diagnoses at the time of survey for current residents was discovered. It was found that the special tape created to present these estimates contained a serious undercount of the number of cases in most categories. After correction, the increase in estimated number of diagnoses by specific categories ranged from 0.1–50.6 percent. The following categories were found to decrease after correction: Infectious and parasitic diseases; Pneumonia, all forms; Injury and poisoning; Fracture of neck of femur; and Other fractures. The decrease in the estimated number of diagnoses for these categories ranged from 4 to 42 percent. The corresponding rates of all-listed diagnoses per 100 residents generally increased as a result of this correction.

Estimation procedures

Statistics reported in this publication are derived by a ratio estimating procedure. The purpose of ratio estimation is to take into account all relevant information in the estimation process, thereby reducing the variability of the estimate. The estimates of number of facilities and facility data not related to size are inflated by the reciprocal of the probability of selecting the sample facility and adjusted for the nonresponding facilities within primary strata. Two ratio adjustments, one at each stage of sample selection, were also used in the estimation process. The first-stage ratio adjustment (along with the preceding inflation factors) was included in the estimation of facility data related to size and of all resident, discharge, and nursing staff data for all primary types of strata. The numerator was the total number of beds according to the universe data for all

facilities in the stratum. The denominator was the estimate of the total number of beds obtained through a simple inflation of the universe data for the sample facilities in the stratum. The effect of the first-stage ratio adjustment was to bring the sample in closer agreement with the known universe of beds. The second-stage ratio adjustment was included in the estimation of all resident, discharge, and R.N. data. It is the product of two fractions: The first is the inverse of the sampling fraction for residents (discharges or R.N.'s) upon which the selection is based; the second is the ratio of the number of sample residents (discharges or R.N.'s) in the facility to the number of residents (discharges or R.N.'s) for whom questionnaires were completed within the facility (46).

Reliability of estimates

As in any sample survey, the results are subject to both sampling and nonsampling errors. Nonsampling errors include errors due to response bias, questionnaire and item nonresponse, recording, and processing errors. To the extent possible, the latter types of errors were kept to a minimum by methods built into survey procedures, such as standardized interviewer training, observation of interviewers, manual and computer editing, verification of keypunching, and other quality checks. Because survey results are subject to both sampling and nonsampling errors, the total error is larger than errors due to sampling variability alone.

Because the statistics presented in this report are based on a sample, they will differ somewhat from figures that would have been obtained had a complete census been taken using the same schedules, instructions, and procedures.

The standard error is primarily a measure of the variability that occurs by chance because only a sample, rather than the entire universe, is surveyed. The standard error also reflects part of the measurement error, but it does not measure any systematic biases in the data. It is inversely proportional to the square root of the number of observations in the sample. Thus as the sample size increases, the standard error generally decreases.

The chances are about 68 in 100 that an estimate from the sample differs by less than the standard error from the value that would be obtained from a complete census. The chances are about 95 in 100 that the difference is less than twice the standard error and about 99 in 100 that it is less than 2½ times as large.

The standard errors used for this survey were approximated using the balanced repeated-replication procedure. This method yields overall variability through observation of variability among random subsamples of the total sample. A description of the development and evaluation of the replication technique for error estimation has been published (47–48).

To derive error estimates that would be applicable to a wide variety of statistics and could be prepared at moderate cost, several approximations were required.

Rather than calculate standard errors for particular estimates S_X , the calculated variances for a wide variety of estimates presented in this document were fitted into curves using the empirically determined relationship between the size of an

estimate X and its relative variance (rel var X). This relationship is expressed as:

rel var
$$X = \frac{S_X^2}{X^2}$$
$$= a + \frac{b}{X}$$

where a and b are regression estimates determined by an iterative procedure.

The relative standard error is then derived by taking the square root of the relative variance curve. The relative standard error estimates for estimated number of residents (with or without next of kin) are shown in figure I.

The relative standard error (RSE(X)) of an estimate X may be read directly from the curve in figure I or alternatively may be calculated by the formula

$$RSE(X) = \sqrt{-0.000177 + \frac{530.2361}{X}}$$

where X is the number of residents of interest.

In this report, estimates that have a relative standard error of 30 percent or more are considered unreliable and are indicated with an asterisk beside the estimate. Figures marked with an asterisk are given primarily to allow the reader to combine them with related estimates, thereby possibly producing a more reliable overall estimate for a broader category.

Because of the relationship between the relative standard error and the estimate, the standard error of an estimate can be obtained by multiplying the estimate by its relative standard error. Thus, for example, in figure I, an estimate of 5,800 residents has a relative standard error of 30 percent; therefore, the standard error is $0.30 \times 5,800 = 1,740$.

To approximate the relative standard error (RSE(p)) and the standard error (SE(p)) of a percent p, the following equations are used:

RSE(p) =
$$\sqrt{\frac{530.2361 \cdot (100 - p)}{p \cdot Y}}$$

$$SE(p) = p \cdot RSE(p)$$

where x = the numerator of the estimated percent

$$y =$$
 the denominator

$$p = 100 \cdot \frac{X}{Y}$$

The approximation of the relative standard error or the standard error of a percent is valid when only one of the following conditions is satisfied: the relative standard error of the denominator is 5 percent or less (49) or the relative standard errors of the numerator and the denominators are both 10 percent or less (50).

Hypothesis testing

To test the difference between two statistics (mean, percent, and so forth), the two-tailed t-test with 20 degrees of freedom should be performed to determine whether to reject the null hypothesis (for the two means $\overline{X}_1, \overline{X}_2$, the null hypothesis is $H_0:\overline{X}_1=\overline{X}_2$ with the alternative $H_A:\overline{X}_1\neq \overline{X}_2$). At the 0.05 (5 percent) level, the critical value for the t-test is 2.09. The standard error of the difference of the two estimates is approximately the square root of the sum of the squares of the standard error of each of the estimates. Thus, if $\mathrm{SE}(\overline{X}_1)$ is the standard error of \overline{X}_1 and $\mathrm{SE}(\overline{X}_2)$ is the standard error of the difference $(\overline{X}_1-\overline{X}_2)$ is

$$SE(\overline{X}_1 - \overline{X}_2) = \sqrt{SE^2(\overline{X}_1) + SE^2(\overline{X}_2)}$$

(This formula will represent the actual standard error for the difference between separate and uncorrelated characteristics, although it is only a rough approximation in most other cases. The number of replicates (20) used in the balanced repeated replication technique can be used to approximate the number of degrees of freedom when testing hypotheses about differences between estimated statistics.) The null hypothesis is rejected (that is, the two means \overline{X}_1 and \overline{X}_2 are different) if the probability of a type I error is less than 5 percent; that is, if

$$Z = \frac{\overline{X}_1 - \overline{X}_2}{\sqrt{\operatorname{SE}^2(\overline{X}_1) + \operatorname{SE}^2(\overline{X}_2)}} > 2.09$$

NOTE: A list of references follows the text.

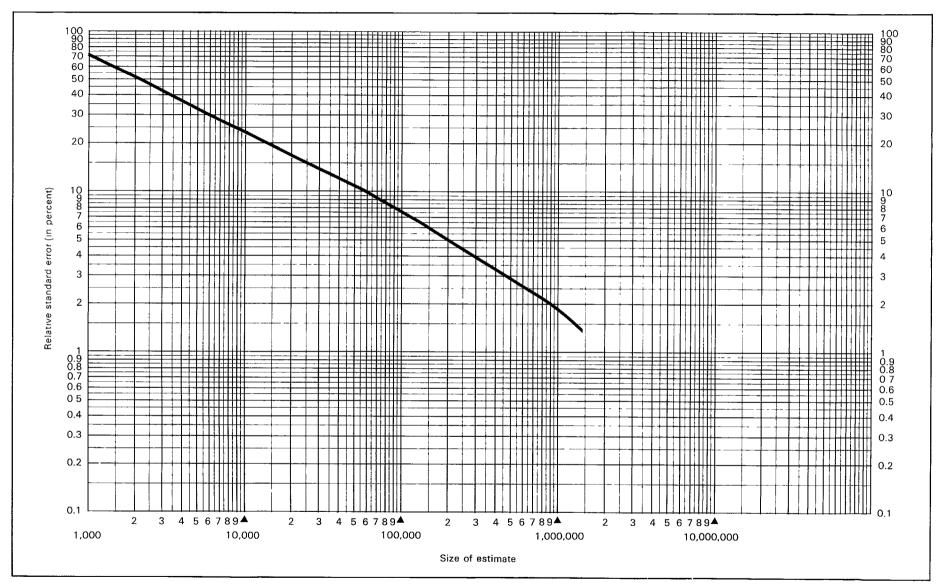


Figure I. Relative standard errors for estimated numbers of current nursing home residents: United States, 1985

Appendix II Definitions of certain terms used in this report

Terms relating to residents

Resident—A person on the roster of the nursing home as of the night before the survey. Included are all residents for whom beds are maintained, even though they may be away on overnight leave or in a hospital.

Charges and primary source of payment

Charge—The total amount charged to the resident by the facility in the last completed calendar month prior to the survey.

Primary source of payment at admission—The one payment source that paid the greatest amount of the resident's charge in the calendar month of admission.

Own income or family support—Includes health insurance, retirement funds, and social security.

Medicare—Money received under the Medicare program.

Medicaid-skilled—Money received under the Medicaid program for skilled nursing care.

Medicaid-intermediate—Money received under the Medicaid program for intermediate nursing care.

Other government assistance or welfare—Sources of government aid (Federal, State, or local) other than Medicare or Medicaid.

All other sources—Includes religious organizations, foundations, volunteer agencies, Veterans Administration contracts, initial payment arrangements, life care arrangements, miscellaneous sources, and no-charge arrangements.

Current primary source of payment—The one payment source that paid the greatest amount of the resident's charge in the last completed calendar month prior to the survey. (See *Primary source of payment at admission* for definitions of payment sources.)

Length of stay since current admission—The period of stay from the date of the resident's most recent admission to the facility to the date of the survey interview.

Demographic items

Age—The age of the resident on the day the survey was conducted, calculated from date of birth.

Race—The racial background of the resident as reported by the nursing home staff respondent.

Hispanic origin—Hispanic refers to a person of Mexican, Puerto Rican, Cuban, Central or South American, or

other Spanish culture or origin, regardless of race, as reported by the nursing home staff respondent.

Current marital status—Marital status of the resident at the time of the survey.

Health status

Activities of daily living—The six everyday activities (bathing, continence, dressing, eating, transferring, and using toilet room) for which the nursing home staff respondent reported the resident's current performance in terms of need for the help of special equipment or another person.

Number of dependencies in activities of daily living—The number of dependencies in activities of daily living, based on the work of Dr. Sidney Katz (28,51), is a measure that summarizes the level of dependency in performing the six activities of daily living.

The following criteria are used in classifying a resident as dependent:

Bathing-Requires assistance.

Dressing-Requires assistance or does not dress.

Using toilet room—Requires assistance or does not use toilet room.

Transferring—Requires assistance in getting into or out of a chair or bed.

Continence—Has difficulty controlling bowels, bladder, or both or has an ostomy.

Eating—Requires assistance; includes tube or intravenous feeding.

Diagnoses—One or more diseases or injuries (or some factor that influences health status and contact with health services that is not itself a current illness or injury) listed by the attending physician on the medical record of patients. Diagnoses were recorded for two time periods: at admission and at time of survey. All diagnoses for sample residents were transcribed in the order listed. Each sample resident was assigned a maximum of eight 5-digit codes according to the International Classification of Diseases, 9th Revision, clinical modification (ICD-9-CM) (37).

A diagnostic chapter within ICD-9-CM is primarily an arrangement of diseases according to their principal anatomic site, with special chapters for infectious and parasitic diseases; neoplasms; endocrine, nutritional, and metabolic diseases; men-

NOTE: A list of references follows the text.

tal disorders; complications of pregnancy and childbirth; certain diseases peculiar to the perinatal period; and ill-defined conditions. In addition, two supplemental classifications are provided: (a) factors influencing health status and contact with health services and (b) external causes of injury and poisoning.

Primary diagnosis—The diagnosis listed first on the medical record.

All-listed diagnoses—All diagnoses, up to a maximum of eight, listed on the medical record of each sample resident.

Current mental disorders—Mental problems of the residents, selected by the nursing home staff respondent from a list of 10 mental conditions or disorders (see item 15 of the Current Resident Questionnaire). The respondent bases the selection on knowledge of the resident's mental health and a check of the resident's medical record. More than one mental condition or disorder could have been reported.

Behavioral problems—Display by the resident of any of the six selected types of behavior that are generally considered dependent or disruptive: disrobing or exposing oneself, screaming, being physically abusive to oneself or others, stealing, getting lost or wandering into unacceptable places, and inability to avoid simple dangers.

Disorientation or memory impairment—Inability to remember dates or time, identify familiar locations or people,

recall important aspects of recent events, or make straightforward judgments, of such degree that the resident is impaired nearly every day in performance of basic activities of daily living, mobility, and other activities.

Disturbance of mood—Depression, anxiety, fearfulness, or worry of such degree that the resident is distressed or restricted in functioning nearly every day.

Terms relating to residents with next of kin

Next of kin—Relatives, guardians, or anyone familiar with the sample resident and identified by the nursing home staff as the best potential respondent from the resident's medical records.

General reasons for admission—Includes six circumstances that the next of kin could have reported as influencing the resident's nursing home admission. More than one reason could have been reported. The six reasons are as follows: recuperation from surgery or illness, no one at home to provide care, not enough money to purchase nursing care at home, requiring more care than household members can give, problems in doing everyday activities (such as bathing, dressing, eating, walking, getting in and out of a chair or bed, or controlling urination or bowel movements), or a spouse's having entered a nursing home.

Appendix III Selected survey instruments

PHS-6271 01/85

PUBLIC Nations	DEPARTMENT OF HEALTH AND HUMAN SERVICES PUBLIC HEALTH SERVICE Sheet of Sheets National Center for Health Statistics 1985 National Nursing Home Survey				OMB No. 0937-0115 APPROVAL EXPIRES 12/31/86			
	CURRENT RESIDEN	T S	SAN	IPLING LIST	Control No			
a g	Confidential Information Information contained on this form which would permit identification of any individual or establishment has been collected with a guarantee that it will be held in strict confidence, will be used only for purposes stated for this study, and will not be disclosed or released to others without the consent of the individual or the establishment in accordance with Section 308(d) of the Public Health Service Act (42 USC 242m).							
Α.	A. Type of identifier used: 1 Name 2 Other, Specify							
В.	Current Residents: Facility Total		C . To	otal in Sample				
D.	Interviewer Name	1	E. In	terviewer ID				
tota	t the residents consecutively in the order in which they are pal with Table 2 to determine the sample. Circle the line number C above.							
	RESIDENTS IN NURSING HOME			RESIDENTS IN I	NURSING HOME			
LINE NO.	Resident Identifier		LINE NO.	Resident k	dentifier			
01			26					
02			27					
03			28					
04			29					
05			30					
06			31					
07			32	·				
08			33					
09			34					
10			35 36					
12			37					
13			38					
14			39					
15			40					
16		l	41					
17			42					
18			43					
19			44	· · · · · · · · · · · · · · · · · · ·				
20		1	45					
21		ŀ	46 47					
23		1	48					
24		ŀ	49					
25		ŀ	50					

If more lines are needed CONTINUE ON THE BACK

67

CURRENT RESIDENT SAMPLING LIST-CONTINUED

RESIDENTS IN NURSING HOME			
LINE NO.	Resident Identifier		
51			
52			
53			
54			
55			
56			
57			
58			
59			
60			
61			
62			
63			
64			
წნ			
66			
67			
68			
69			
70			
71			
72			
73			
74			
75			

	RESIDENTS IN NURSING HOME				
LINE NO.	Resident Identifier				
76					
77					
78					
79					
80					
81					
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					

If more lines are needed use a new sheet and renumber the lines beginning with # 101. Renumber lines on additional sheets, 201, 301, etc.

DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH SERVICE
National Center for Health Statistics
1985 National Nursing Home Survey

OMB #0937 0115 APPROVAL EXPIRES 12 31 86

JOH 11102 110.	CC	TN	ROL	NO.	
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CURRENT RESIDENT QUESTIONNAIRE

CONFIDENTIAL INFORMATION

Information contained on this form which would permit identification of any individual or establishment has been collected with a guarantee that it will be held in strict confidence, will be used only for purposes stated for this study, and will not be disclosed or released to others without the consent of the individual or the establishment in accordance with Section 308(d) of the Public Health Service Act (42 USC 242m).

A. Interviewer Name	B. Interviewer I.D.	(C. Date of Interview
		ENTER HER	///
D. Resident Line No.	ε.	Respondent Title	
F. Name of Resident	First	Initial	Last
1. What is the sex of this resider			
2. What is/	or		
SHOW FLASHCARD # 1 3 a. What is the racial background of White 02 Black 03 American Indian or 04 Asian or Pacific Islands	Alaska Native	?	

3b.	Is Hispanic or not?
	01 Hispanic
	02 Not Hispanic
	94 Don't know
4a.	What was''s marital status at admission?
	01 Married 04 Separated
	02 Widowed 05 Never Married
	03 Divorced 94 Don't know
b.	What is''s marital status now?
	01 Married 04 Separated
	02 Widowed 05 Never Married
	03 Divorced 94 Don't know
INT	ERVIEWER: READ INTRODUCTORY PARAGRAPH FOR THE SOCIAL SECURITY NUMBER
	LY ONCE FOR EACH NEW RESPONDENT.
5.	As part of this survey, we would like to have''s Social Security Number. Provision
].	of this number is voluntary and not providing the number will have no effect in any way on
	's benefits. This number will be useful in conducting future follow-up studies. It will be used to match against the vital statistics records maintained by the National Center for Health
	Statistics. This information is collected under the authority of Section 306 of the Public Health Service
	Act.
	What is''s Social Security Number?
	Social Security #
6.	Does have any living children?
	01 Yes 02 No 94 Don't know
7.	What was the date of''s current admission to this facility?
	Mo. Day Year
	NTERVIEWER: ENTER ADMISSION DATE ON FOLDOUT SHEET THEN ASK Q. 8.
s	HOW FLASHCARD # 2
8a.	Where was staying immediately before entering this facility?
	01 Private residence (house or apartment)
	02 Rented room, boarding house
	03 Retirement home
	04 Another health (including mental health) facility (SKIP TO Q. 8c)
	05 Other arrangement, (SPECIFY) (SKIP TO Q. 10)
	94 Don't know (SKIP TO Q. 10)
	Zon t mion joint 10 Q. 10)

Of As short since were living with family members, non-family members on	ala
8b. At that time, was living with family members, non-family members, or	aione?
01 With family members	
02 With non-family members	
03 Alone	
94 Don't know SKIP TO Q. 10	
Skii 10 Q. 10	
SHOW FLASHCARD # 3	
8c. What type of facility was it?	
01 Domiciliary or personal care facility	
02 Intermediate Care Facility (ICF)	
03 Skilled Nursing Facility (SNF)	
04 Facility for mentally retarded	
05 General or short term hospital, except psychiatric unit	
06 General or short-term hospital psychiatric unit	
07 Veteran's hospital	
08 Mental health Center	
09 Residential facility (group home, cooperative apartment, family/foster care home)	
10 State mental hospital	
11 Private mental hospital	i
12 Chronic disease, rehabilitation, geriatric or other long-term care hospital	
13 Other, (SPECIFY)	
94 Don't know	,
SHOW FLASHCARD # 4	İ
8d. Where was staying immediately before entering that facility?	
01 Private residence (house or apartment)	
02 Rented room, boarding house	
03 Retirement home	
04 This facility (SKIP TO INTERVIEWER NOTE ABOVE Q. 9)	
05 Another nursing home (SKIP TO INTERVIEWER NOTE ABOVE Q. 9)	
06 Another health (including mental health) facility (SKIP TO INTERVIEWER NOTE ABOVE Q. 9)	
07 Other arrangement, (SPECIFY) (SKIP TO INTERVIEW NOTE ABOVE Q. 9)	ER
94 Don't know (SKIP TO INTERVIEWER NOTE ABOVE Q. 9)	

8e.	At that time was he/she living with family members, non-family members, or alone?
	01 With family members
	02 With non-family members
	03 Alone
	94 Don't know
INT	ERVIEWER NOTE: BEFORE PROCEEDING, REFER TO Q. 8c. IS CATEGORY 05 CHECKED? YES (CONTINUE WITH Q. 9) NO (SKIP TO Q. 10)
You	reported that was staying in a hospital before entering this facility.
9a.	Do you know what''s hospital diagnosis related group (DRG) category was
	while was in the hospital? 01 Yes 02 No (SKIP TO Q. 9c)
٥,	
9b.	What was''s DRG category?
	DRG CATEGORY DRG Number Only
	SKIP TO Q. 9h
9c.	What condition, or diagnosis was chiefly responsible for''s admission to the hospital for care? FOR OFFICE USE ONLY
	Principal diagnosis DIAGNOSIS CODE
9d.	Were there any other conditions that existed at the time of''s admission to the hospital or that developed during the stay which affected the treatment received?
	01 Yes 02 NO (SKIP TO Q. 9f) 94 Don't know (SKIP TO Q. 9f)
9e.	What were those conditions? FOR OFFICE USE ONLY CONDITION
	1
	2
	3.
9f.	Were any diagnostic or surgical procedures performed at the hospital?
	01 YES 02 NO (SKIP TO Q. 9h) 94 Don't know (SKIP TO Q. 9h)
9g.	What were the procedures? FOR OFFICE USE ONLY PROCEDURE
	1
	2
	3
O.L.	
9h.	How many nights did spend in the hospital during that stay?
	Number of nights 94 Don't know

10a.	Has been admitted to a short-stay hospital while a resident in this facility? That is, since (DATE OF ADMISSION) and without being
	formally discharged from this facility.
	01 Yes
	02 No (SKIP TO Q. 11)
	94 Don't know (SKIP TO Q. 11)
10b.	How many stays did have in short-stay hospitals since (DATE OF ADMISSION) and without being formally discharged from this facility?
	Number of stays
10c.	Do you know what
	01 Yes 02 NO (SKIP TO Q. 10e)
10d.	What was''s DRG category for that stay?
	DRG Number Only
	SKIP TO Q. 10j
10e.	What condition or diagnosis was chiefly responsible for''s admission to the hospital for care for the most recent stay?
	Principal diagnosis DIAGNOSIS CODE
10f.	Were there any other conditions that existed at the time of
	01 Yes 02 No (SKIP TO Q. 10h) 94 Don't know (SKIP TO Q. 10h)
10g.	What were those conditions? FOR OFFICE USE ONLY
log.	CONDITION
	1
	2
	3
101	TWO are an alternative and are also are an area and as the bearing!
10h.	Were any diagnostic or surgical procedures performed at the hospital?
	01 Yes 02 No (SKIP TO Q. 10j) 94 Don't know (SKIP TO Q. 10j)
10i.	What were the procedures? $\frac{\text{FOR OFFICE USE ONLY}}{\text{PROCEDURE}}$
	1
	2.
	3
10j.	How many nights did spend in the hospital during that stay?
	Number of nights 94 Don't know

11a.	Has	previously been o (SKIP TO Q. 11d)	_	_ '	y? .now (SKIP T	ΓΟ Q. 11d)
11b.	How many times hasOF ADMISSION) admission	?	been a reside	ent in this	facility, not c	ounting the (DATE
	Times in facility					
11c(1)	. On what dates wasadmitted to and discharged	from this facility? Discharged	11c(2).	Was this general h		a short-stay or
	mo./day/yr.	mo./day/yr.		Yes	No	Don't know
	1/		•	01 🔲	02 🔲	94 🔲
	2/			01 📙	02	94 🔲
	3/			01 📙	02	94 [_]
	5. / /	·		01	02 [94 📙
	6/			01 🗍	02 <u> </u>	94 <u> </u>
	7/	- -		01	02	94
	8/	/		01 🔲	02 🗌	94 🔲
11d.	Was	ever in any other	er nursing ho	mes beside	this one?	
	01 Yes 02 N	o (SKIP TO Q. 12)	94 🗌	Don't kn	ow (SKIP To	O Q. 12)
11e.	Not counting this facility, in 1	how many different n	ursing home	s has		resided?
	Number of different homes _		94	☐ Don't	know	
11f.	Altogether, what was the total Do not include time spent in			spent in a	ll those other	r nursing homes?
	Years Months	94 L	」 Don't kn	ow		
11g.	What is the name of each of to patient?	the <i>other</i> nursing hom	nes at which	····		was a resident
	Facility					
	(1)					
	(2)					
	(3)					
11h.	How many times was Times in facility		_ a resident :	in (NAME	OF FACILI	TY IN Q. 11g(1))?

11i.	On what dates was	admitted and disc	charged from (NAME OF FACILITY IN Q. 11g(1))?
	Admitted	Dischar	ged
	Month Year	Month	Year
	1/	/	
	2/	//	
	3/	/_	
11j.	How many times was		a manidame in (NAME OF FACILITY IN O. 11-(2))2
ııj.	Times in facility		a resident in (NAME OF FACILITY IN Q. 11g(2))?
	·		
11k.			charged from (NAME OF FACILITY IN Q. 11g(2))?
	Admitted	Dischar	
	Month Year	Month	Year
	1/	/_	
	2/	/_	
	3/	/_	
111.	How many times was		a resident in (NAME OF FACILITY IN Q. 11g(3))?
	Times in facility		
11m.	On what dates was	admitted and di	scharged from (NAME OF FACILITY IN Q. 11g(3))?
	Admitted	Dischar	· · · · · · · · · · · · · · · · · · ·
	Month Year	Month	Year
	1/	,	
	2/		
	3/	/_	
			's complete history of nursing home utilization, we would us to locate's next of kin.
	Please give me the names, a	ddresses and telephone n	umbers of's next of kin as
			ho might know about
INTE	ERVIEWER: FILL IN AS	MANY NAMES AND	ADDRESSES AS AVAILABLE. PRINT ALL EN- CH CONTACT IS THE "BEST CONTACT" AND
PLA	CE AN ASTERISK ON	THE LINE NEXT TO	THAT NAME.
12a. I	Next of kin:	kin on record	
	Street		
	Zip Code		
	Telephone number	er <u>() —</u>	
	Relationship to re	esident	

12b. Ki	n/Friend/Other:
	Name (First, Initial, Last)
	Street
	City and State
	Zip Code
	Telephone number () —
	Relationship to resident
12c. Ki	n/Friend/Other:
	Name (First, Initial, Last)
	Street
	City and State
	Zip Code
	Telephone number () —
	Relationship to resident
12d. Kir	n/Friend/Other:
	Name (First, Initial, Last)
	Street
	City and State
	Zip Code
	Telephone number () —
	Relationship to resident
12e. K	in/Friend/Other:
	Name (First, Initial, Last)
	Street
	City and State
	Zip Code
	Telephone number () —
	Relationship to resident
126 V:	n/Friend/Other:
121. KI	Name (First, Initial, Last)
_	
	Street
	Zip Code
	Telephone number () —
	Relationship to resident
	ACIATIONSHIP TO TESIGENT

13. According to''s medical record, what time of admission, that is, on (DATE OF ADMISSION)? (SP	it were the primary and ECIFY).	other diagnoses at the
	FOR OFF	E or V CODE
Primary:	1.	
Other:	2.	
	3.	
	4	
	5.	
	6.	
	7.	
	8.	
14. According to's medical record, wh primary and other diagnoses? (SPECIFY)	at are	's <u>current</u>
	FOR OFF ICD9	E or V CODE
Primary:	1.	
Other:	2.	
	3.	
	4.	
	5	
	6.	
	7.	
	8.	
SHOW FLASHCARD # 5		
15. According to''s medical record does conditions? (MARK (X) ALL THAT APPLY) 01 Mental retardation	he/she currently have a	any of the following
02 Alcohol abuse/dependence		
03 Drug abuse/dependence		
04 Senile dementia/chronic and organic brain syndrome		
05 Depressive disorders		
06 Schizophrenia		
07 Other psychoses		
08 Anxiety disorders		
09 Personality/character disorders		
10 Other mental disorders (SPECIFY)		
11 No mental disorder		

16a. During (LAST MONTH), did receive any therapy services either inside or outside this facility from a licensed, registered, or professionally trained therapist?
01 Yes 2 No (SKIP TO Q. 17) 94 Don't know (SKIP TO Q. 17)
SHOW FLASHCARD # 6
16b. Which types of therapy did receive during (LAST MONTH)? (MARK (X) ALL THAT APPLY)
01 Physical therapy
02 Cocupational therapy
03 Recreational therapy
04 Speech and hearing therapy 05 Evaluation or mental health treatment by a physician other than a psychiatrist
06 Evaluation or mental health treatment by a psychiatrist
07 Evaluation or mental health treatment by a psychologist
08 Evaluation or mental health treatment by a psychiatric/clinical social worker
09 Evaluation or mental health treatment by a psychiatric nurse
10 Social services by a social worker
11 Other therapy services (SPECIFY)
17a. Does wear eyeglasses or contacts? 01 Yes 02 No
17b. Does have any difficulty in seeing (when wearing glasses or contacts)? 01 Yes 02 No (SKIP TO Q. 18) 94 Don't know (SKIP TO Q. 18)
SHOW FLASHCARD # 7
17c. Is''s sight (with glasses or contacts) partially, severely, or completely impaired, as defined on this card?
01 Partially impaired-cannot read newspaper print but can watch television 8 to 12 feet away
02 Severely impaired-cannot watch TV 8 to 12 feet away, but can recognize features of familiar persons if they are within 2-3 feet
03 Completely lost-blind
94 Don't know
18a. Does wear a hearing aid? 01 Yes 02 No
18b. Does have any difficulty in hearing (when wearing a hearing aid)?
01 Yes 02 No (SKIP TO Q. 19) 94 Don't know (SKIP TO Q. 19)

SHOW FLASHCARD # 8
18c. Is
19a. Does currently require any assistance in bathing or showering? 01 Yes 02 No (SKIP TO Q. 20) 94 Don't know (SKIP TO Q. 20) 19b. Does bath or shower with the help of:
(1) Special equipment? 01 Yes 02 No (2) Another person? 01 Yes 02 No
20a. Does currently require any assistance in dressing? 01 Yes 02 No (SKIP TO Q. 21) 03 Remains partially or completely undressed or is dressed by another and does not participate (SKIP TO Q. 21) 94 Don't know (SKIP TO Q. 21)
20b. Does dress with the help of: (1) Special equipment? 01 Yes 02 No (2) Another person? 01 Yes 02 No
21a. Does currently require any assistance in eating? 01 Yes 02 No (SKIP TO Q. 22) 03 Requires tube or intravenous feeding (SKIP TO Q. 22) 94 Don't know (SKIP TO Q. 22).
21b. Does eat with the help of: (1) Special equipment? 01 Yes 02 No (2) Another person? 01 Yes 02 No
21c. Is fed totally by another person? 01 \(\sum \) Yes 02 \(\sum \) No
22a. Is bedfast? 01 Yes (SKIP TO Q. 23) 02 No
22b. Is chairfast? 01

23a. Does	currently require any assistance transferring in and out of bed or chairs?
01 Yes	
02 No (SKIP TO Q. 24)	
94 Don't know (SKIP TO (2. 24)
22h Doss	
23b. Does	
(1) Special equipment? 01	
(2) Another person? 01	Yes 02 L No
IF YES TO EITHER Q. 23b(1) OR	23b(2), SKIP TO Q. 25
	currently require any assistance in walking?
01 Yes 02 No (Sk	(IP TO Q. 25) 94 Don't know (SKIP TO Q. 25)
24b. Does	walk with the help of:
(1) Special equipment? 01	
(2) Another person? 01	Yes 02 No
25a Davi	
	go outside the grounds of this facility?
	(IP TO Q. 26) 94 Don't know (SKIP TO Q. 26)
25b. When	goes outside the grounds, does require the help of:
(1) Special equipment 01	Yes 02 No
(2) Another person? 01	Yes 02 No
26a Does have	an ostomy, an indwelling catheter or similar device?
	(IP TO Q. 26c)
01 🗀 163 02 🗀 110 (81	10 Q. 200)
26b. Does	require any assistance from another person in caring for this device?
01 Yes 02 No	_
26	al and the same of
	currently require any assistance using the toilet room?
01 Yes	
02 \(\sum_{No}\) (SKIP TO Q. 27)	() () () () () (CVID TO O OT)
	(ostomy patient, chairfast, etc.) (SKIP TO Q. 27)
94 Don't know (SKIP TO Q	0. 27)
26d. Does	
(1) Special equipment? 01	Yes 02 No
(2) Another person? 01	Yes 02 \(\sqrt{No} \)

27a	. Does _	currently hav	e any difficulty	in controllir	ıg	bowels?
ĺ	01 🔲	Yes				
	02 No (SKIP TO Q. 28)					
	03 🗌	Not applicable, has had an ostomy (Sk	(IP TP Q. 28)			i
	94 Don't know (SKIP TO Q. 28)					
27b.	. How fi	equently does	have this diffic	culty?		
	01	Daily				
	02 🔲	Several times a week				
	03 .	Once a week				
	04 🔲	Less than once a week				
	94	Don't know				
28a.	Does	currently have	any difficulty in	controlling_		bladder?
	01 🔲	Yes				
	02	No (SKIP TO Q. 29)				}
	03 🔲	Not applicable has indwelling catheter,	ostomy, or exte	ernal device ((SKIP TO Q. 29)	
	94 📙	Don't know (SKIP TO Q. 29)				
28b.	How fr	equently does	have this diffic	ulty?		1
	01	Daily				
	02	Several times a week				
	03 🔲	Once a week				
	04	Less than once a week				
	94 🗌	Don't know				
	_					
28c.	Does thi	s occur only at night?				
	_		on't know			ĺ
	VI	165 02 LI NO 74 LI DO	on t know			
29.	Does	receive person	al help or super	vision in any	of the following act	ivities:
			Yes	No	Don't know	
		,	 1			
		personal possessions?	01 📙	02 🔲	94 📙	
		g money?	01 📋	02 🔲	94 📙	
c.		personal items such as newspapers, icles, snack foods?	01	02	94 🗍	
d.		e telephone? (dialing or receiving calls)	01 🗌	02 🗌	94 🗍	
	- 5	. (اسمسنا		- · ·	ł

30.	How long have you provided care for?
	01 less than 1 month
	02
	03 4-6 months
	04 7-11 months
	05 12 months or more
	06 Respondent does not provide care
31.	How would you rate''s physical health at the present time?
	01 Excellent
	02 Good
	03 Fair
	04 Poor
	94 Don't know
22	
32.	How would you rate''s mental health at the present time? 01 Excellent
	03 Fair
	04 Poor
	94 Don't know
S	HOW FLASHCARD # 9
L	
33.	The types of behaviors on this card are generally considered dependent or disruptive. Does
33.	The types of behaviors on this card are generally considered dependent or disruptive. Does 's behavior with
33.	The types of behaviors on this card are generally considered dependent or disruptive. Does
33.	The types of behaviors on this card are generally considered dependent or disruptive. Does
33.	The types of behaviors on this card are generally considered dependent or disruptive. Does
33.	The types of behaviors on this card are generally considered dependent or disruptive. Does
33.	The types of behaviors on this card are generally considered dependent or disruptive. Does
33.	The types of behaviors on this card are generally considered dependent or disruptive. Does
33.	The types of behaviors on this card are generally considered dependent or disruptive. Does
	The types of behaviors on this card are generally considered dependent or disruptive. Does
Si	The types of behaviors on this card are generally considered dependent or disruptive. Does
	The types of behaviors on this card are generally considered dependent or disruptive. Does
Si	The types of behaviors on this card are generally considered dependent or disruptive. Does
Si	The types of behaviors on this card are generally considered dependent or disruptive. Does
Si	The types of behaviors on this card are generally considered dependent or disruptive. Does
Si	The types of behaviors on this card are generally considered dependent or disruptive. Does
Si	The types of behaviors on this card are generally considered dependent or disruptive. Does

SHOW FLASHCARD # 11 35. Does display depression, anxiety, fearfulness or worry to such a degree that is distressed or restricted in functioning nearly every day? (MARK (X) ALL THAT APPLY) 01
INTERVIEWER, READ: The remaining few questions deal with charges and payment sources. Do you have this information? O1 Yes O2 No (DETERMINE WHO HAS INFORMATION AND WHEN YOU HAVE COMPLETED ALL THE RESIDENT QUESTION-NAIRES, INTERVIEW THAT PERSON FOR THE INFORMATION, USING PROMPT CARD # 11.)
INTERVIEWER NOTE: BEFORE PROCEEDING, REFER TO THE ADMISSION DATE ON THE FOLDOUT SHEET. WAS THE RESIDENT ADMITTED AFTER THE FIRST DAY OF LAST MONTH? 01 YES (SKIP TO Q. 39) 02 NO (CONTINUE WITH Q. 36)
36. What were all the sources of payment for
11 Payment source not yet determined 12 Other, (SPECIFY)

S	SHOW FLASHCARD # 12					
37.	What was the primary source of payment for''s care for the month of (MONTH AND YEAR OF ADMISSION)?					
	01 Own income, family support, health insurance, retirement funds, Social Security, etc.					
	02 Medicare					
	03 Medicaid — skilled nursing					
	04 Medicaid — intermediate care					
	05 State funded indigent care (excluding Medicaid)					
	06 Other government assistance or welfare					
	07 Religious organizations, foundations, volunteer agencies					
	08 VA contract					
	09 Initial payment-life care funds					
	10 No charge made for care (facility assumes cost)					
	Payment source not yet determined					
	12 U Other, (SPECIFY)					
38.	Last month, what was the total charge billed for's care, including all charges for private duty nursing, drugs, and special medical supplies?					
	\$ per month 01 \bigcap No charge was made for care					
	SKIP TO INTERVIEWER NOTE ABOVE Q. 40					
39.	From (DATE OF ADMISSION) through yesterday, what was the total charge billed for care, including all charges for private duty nursing, drugs, and special medical supplies? O1 Since date of admission O2 Day \$ per O3 Week O4 Month O5 Other period, (SPECIFY) O6 No charge was made for care 94 Don't know (not billed yet, etc.)					

INTERVIEWER NOTE: IF Q. 38 WAS ASKED (RESIDENT IN HOME ONE FULL CALENDAR MONTH OR MORE), USE THE PHRASE "LAST MONTH" IN Q. 40. IF Q. 39 WAS ASKED, USE THE PHRASE "DURING THIS TIME" IN Q. 40. SHOW FLASHCARD # 12 40a. What are all the sources of payment for b. ASK FOR EACH SOURCE MARKED: 's care (LAST What was the amount paid by MONTH/DURING THIS TIME)? (LAST MONTH/DURING THIS TIME)? (MARK (X) ALL THAT APPLY) (ENTER AMOUNT OR MARK "Don't know") Don't know Own income, family support, health insurance, retirement funds, Social Security, etc. 94 02 | Medicare 94 03 | | • Medicaid — skilled care 94 Medicaid — intermediate care 94 05 State funded indigent care (excluding Medicaid) 94 06 Other government assistance or welfare 07 Religious organizations, foundations, volunteer agencies 94 08 VA contract 94 09 Initial payment-life care funds 94 No charge made for care (facility assumes cost) 94 Payment source not yet determined Other, (SPECIFY) 94 INTERVIEWER: CONTINUE TO NEXT CURRENT RESIDENT QUESTIONNAIRE

SUMMARY OF DATES

Date of Interview:	. /		
Dute of Michael	Mo.	Day	Year
Date of Admission:	Mo.	_/Day	/ Year
OVERLAP CASES DRQ None		_	

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