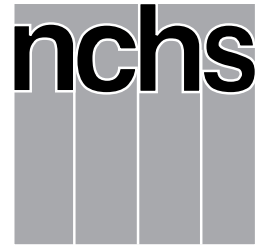


Series 13  
No. 120



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# Vital and Health Statistics

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From the CENTERS FOR DISEASE CONTROL AND PREVENTION / National Center for Health Statistics

## Hospice and Home Health Agency Characteristics: United States, 1991

April 1995



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



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# Vital and Health Statistics

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## Hospice and Home Health Agency Characteristics: United States, 1991

Series 13:  
Data From the National Health Survey  
No. 120

This report presents State and National statistics on home health agencies and hospices from the 1991 National Health Provider Inventory. Included are facility characteristics such as number of clients, type of ownership, and type of certification. Also included are services provided and volunteers.

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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Public Health Service  
Centers for Disease Control and Prevention  
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# Hospice and Home Health Agency Characteristics: United States, 1991

By Renee Delfosse, M.A., Division of Health Care Statistics

## Introduction

The National Center for Health Statistics (NCHS) collected data on hospices and home health agencies (HHA's) for the first time in the 1991 National Health Provider Inventory (NHPI). This report focuses on their numbers, distributing them by State, type of ownership, and type of certification. It also presents data on services provided and volunteers.

The NHPI's predecessor was the National Master Facility Inventory (NMFI). The NMFI has been conducted 10 times since 1963. The first six Inventories included hospitals, nursing and related care homes, and other types of inpatient health facilities that included homes for the blind, deaf, mentally retarded, and emotionally disturbed (1). The 1978, 1980, and 1982 Inventories were limited to nursing and related care homes (1). The 1986 Inventory (known as the Inventory of Long-Term Care Places) included mental retardation facilities in addition to nursing and related care homes (2). The Inventory was expanded in 1991 to include HHA's and hospices. Both provide services in the patient's place of

residence, some having inpatient beds. Including these two providers follows the current effort to view long-term care as a system that gives the chronically ill more options and that uses health care resources more efficiently.

The NHPI provides an up-to-date sampling frame for surveys about health care providers. For example, NCHS uses data collected about nursing and related care homes, hospices, and home health agencies to select samples for the Long-Term Care Component of the National Health Care Survey (3). Another purpose of the Inventory is to provide basic national statistics on nursing homes, residential-care facilities, home health agencies, and hospices.

The appendixes describe how the numbers in the report were obtained. Appendix I describes the process of determining the number of agencies and the method of classifying these agencies either as a home health agency or as a hospice. Appendix I also gives additional background information about the NHPI. The questionnaire used in the 1991 NHPI is shown in appendix II. Definitions of terms are provided in appendix III.

# Discussion

Modern home health care in this country began with the founding of a prototype hospital-based home health care program at Montefiore Hospital in New York City in 1947 (4). The modern hospice industry started as a local grass-roots volunteer phenomenon and has grown, over the last 17 years, into an approach reimbursed by insurers (5). Of the 7,804 agencies surveyed in 1991, 6,853 were identified as home health agencies (HHA's) and 951 as hospices.

The number of HHA's and of hospices are shown in tables A and B by geographic region, and tables 1 and 2 by State. HHA's provide services primarily to promote, maintain, or restore their patient's health and hospices provide specialized services to the terminally ill. Table A shows that in 1991 the South accounted for 2,691 HHA's—almost 40 percent of all HHA's in the Nation. The South also had the largest number of hospices—311, or 33 percent of the Nation's total (table B). The Midwest followed closely with 293 hospices, or about 30 percent. The State distribution in table 1 shows that 11 States accounted for half of the 6,853 home health agencies in the Nation, and that only four of these States are located in the South. Texas was ranked first with 8 percent of the HHA's in the Nation. Florida and New York followed, each accounting for 6 percent of all HHA's. Similarly, 11 States, only two of which are located in the South, accounted for half of the 951 hospices in the Nation (table 2). California, Michigan, and Illinois lead the ranking, together accounting for 20 percent of all hospices in the Nation. Sixteen States each had fewer than 10 hospices.

These tables also show the number of HHA's and hospices by number of clients. The most common size for an

HHA in all four regions was 100–299 clients, whereas the most common size for a hospice was 8–19 clients in all regions, except in the Midwest, where hospices had even fewer clients. The average size of an HHA was 180 clients; HHA sizes ranged from no clients to more than 70,000 clients at the time of the Inventory. The average size of a hospice was 34 clients, which was above the 8–19 modal size; hospice sizes ranged from no clients to 2,100 clients at the time of the Inventory. Nationally, only 14 percent of HHA's had 300 or more clients. The Northeast had a higher percent of large HHA's than any other region; 23 percent of its HHA's had 300 or more clients. Table 1 shows that first-ranked Texas had many more small HHA's than second-ranked Florida and third-ranked New York. This is not surprising when Texas' large geographic size and its population spread are considered. Some atypical client sizes, not isolated in the tables, were: 12 HHA's reported 4,000–6,000 clients at the time of the Inventory; one HHA reported approximately 7,000 clients; and another reported over 70,000 clients. Six hospices reported 450–600 clients at the time of the Inventory, and one reported approximately 700 clients. The numbers of HHA's and hospices reporting no clients at the time of the Inventory were 391 and 77, respectively.

Table C presents the numbers of clients the HHA's and hospices served by the type of care received. Although an agency may have cared for more than one type of client, this situation was infrequent. For example, in addition to caring for clients receiving only home health care, an HHA may have cared for clients receiving only hospice care, as well as clients receiving both home health and hospice care. Approximately

**Table A. Number and percent distribution of home health agencies by number of clients, according to geographic region: United States, 1991**

Number of clients	All geographic regions		Northeast		Midwest		South		West	
	Number	Percent distribution	Number	Percent distribution	Number	Percent distribution	Number	Percent distribution	Number	Percent distribution
All clients . . . . .	6,853	100.0	1,271	100.0	1,964	100.0	2,691	100.0	927	100.0
0–9 clients . . . . .	754	11.0	126	9.9	192	9.7	311	11.5	125	13.4
10–29 clients . . . . .	865	12.6	114	8.9	294	14.9	308	11.4	149	16.0
30–59 clients . . . . .	1,137	16.5	169	13.2	379	19.2	432	16.0	157	16.9
60–99 clients . . . . .	1,084	15.8	185	14.5	324	16.4	409	15.1	166	17.9
100–299 clients . . . . .	2,055	29.9	380	29.8	576	29.3	872	32.4	227	24.4
300–499 clients . . . . .	515	7.5	136	10.7	116	5.9	217	8.0	46	4.9
500–999 clients . . . . .	303	4.4	103	8.1	58	2.9	108	4.0	34	3.6
1,000 clients or more . . . . .	140	2.0	58	4.5	25	1.2	34	1.2	23	2.4

**Table B. Number and percent distribution of hospices by number of clients, according to geographic region: United States, 1991**

Number of clients	All geographic regions		Northeast		Midwest		South		West	
	Number	Percent distribution	Number	Percent distribution	Number	Percent distribution	Number	Percent distribution	Number	Percent distribution
All clients . . . . .	951	100.0	157	100.0	293	100.0	311	100.0	190	100.0
0-7 clients . . . . .	235	24.7	26	16.5	104	35.4	53	17.0	52	27.3
8-19 clients . . . . .	282	29.6	46	29.2	90	30.7	96	30.8	50	26.3
20-34 clients . . . . .	204	21.4	40	25.4	44	15.0	72	23.1	48	25.2
35-49 clients . . . . .	80	8.4	18	11.4	21	7.1	26	8.3	15	7.8
50-74 clients . . . . .	56	5.8	11	7.0	14	4.7	19	6.1	12	6.3
75-99 clients . . . . .	31	3.2	7	4.4	4	1.3	13	4.1	7	3.6
100-149 clients . . . . .	29	3.0	5	3.1	9	3.0	13	4.1	2	1.0
150 or more clients . . . . .	34	3.5	4	2.5	7	2.3	19	6.1	4	2.1

**Table C. Number and percent distribution of clients by type of care received, according to type of agency: United States, 1991**

Type of agency	Type of care received							
	All clients		Home health		Hospice		Both home health and hospice care	
	Number	Percent distribution	Number	Percent distribution	Number	Percent distribution	Number	Percent distribution
Home health . . . . .	1,231,512	100.0	1,188,509	96.5	14,709	1.2	28,294	2.3
Hospice . . . . .	32,192	100.0	955	3.0	28,778	89.4	2,459	7.6

15 percent of the 6,853 HHA's served clients receiving hospice care and about 14 percent of the 951 hospices served clients other than those receiving only hospice care.

Table 3 presents the numbers of clients the agencies served by State and type of care the clients received. New York, California, Florida, and Texas served the largest number of clients receiving only home health care and the largest numbers receiving only hospice care. Collectively, they served 31 percent of the approximately 1.2 million clients receiving home health care, and 34 percent of the approximately 43,000 clients receiving hospice care. Of the total number of clients receiving home health care, New York served 181,454 clients, more than two-and-one-half times the number of clients than was served by second-ranked California. This pattern is reversed for clients receiving hospice care; California cared for almost twice as many hospice clients as New York.

The NHPI inventoried the provision of 14 types of services. These are shown in tables 4 and 5. The large majority of HHA's offered referral services (80 percent) and high tech care (75 percent). Harrington suggests that the high percent of HHA's offering high tech care may be because their typical client is acutely ill, discharged from hospitals sooner and sicker than before the implementation of diagnosis-related groups (DRG's) (6). Of the remaining 12 services, more than half of all HHA's offered speech therapy (65 percent), occupational therapy/vocational therapy (57 percent), homemaker/companion services (56 percent), dietary and nutritional services (54 percent), and counseling (52 percent). These percents were consistent across the four regions.

Most hospices offered most of the inventoried services. Over 90 percent offered bereavement care and pastoral care, services particular to the care of the terminally ill and their

families. Over 90 percent of the hospices also offered counseling and referral services. Of the remaining services, more than half of all hospices offered all of the inventoried services except two. These two exceptions were enterostomal therapy, provided by 44 percent of all hospices, and meals on wheels, provided by only 13 percent of all hospices. As with the HHA's the pattern of services offered was consistent across the four regions, although a slightly larger percent of hospices in the South offered medically oriented services (dietary and nutritional services, occupational therapy/vocational therapy, speech therapy, medications, and high tech care) than did hospices in any other region.

In addition to the 14 services listed in the questionnaire, agencies were asked to specify any others offered: 39 percent of HHA's and 26 percent of hospices offered services other than the 14 listed. Among the most frequently listed were: nursing care, home health aide care, physical therapy, medical equipment, and in-patient services. An interesting finding was that several hospices listed nontraditional services such as counseling services to the community at large, and day care for both hospice and nonhospice ill. A national survey studying hospice programs discovered a trend of hospices offering these "higher visibility services" (7). The explanation offered for this trend is that hospices are trying to survive in the competitive health care service industry (7).

Agency ownership is the subject for the next set of tables. Table D shows the number of agencies by type of agency and table E presents the number of clients by type of care received; tables 6-10 present these data by State. Tables 11 and 12 give the percent of agencies providing services according to ownership. The percent distribution of agencies having volunteers, according to ownership, is given in table 13.



**Table D. Number and percent distribution of home health agencies and hospices by ownership of agency: United States, 1991**

Ownership	Type of agency					
	All agencies		Home health agency		Hospice	
	Number	Percent distribution	Number	Percent distribution	Number	Percent distribution
All agencies	7,804	100.0	6,853	100.0	951	100.0
Proprietary	2,827	36.2	2,779	40.6	48	5.0
Nonprofit	3,353	43.0	2,515	36.7	838	88.1
Government	1,559	20.0	1,508	22.5	51	5.4
Other	65	0.8	51	0.7	14	1.5

**Table E. Number and percent distribution of clients by type of care received and ownership of agency: United States, 1991**

Ownership	Type of care received							
	All clients		Home health care		Hospice care		Both home health and hospice care	
	Number	Percent distribution	Number	Percent distribution	Number	Percent distribution	Number	Percent distribution
All agencies	1,263,704	100.0	1,189,464	100.0	43,487	100.0	30,753	100.0
Proprietary	349,863	27.7	333,480	28.0	7,003	16.1	9,380	30.5
Nonprofit	708,871	56.1	657,881	55.3	33,739	77.6	17,251	56.1
Government	195,886	15.5	189,279	15.9	2,581	5.9	4,026	13.1
Other	9,084	0.7	8,824	0.7	164	0.4	96	0.3

**Table F. Number and percent of home health agencies by ownership of agency, according to geographic region: United States, 1991**

Geographic region	All agencies		Ownership			
	Number	Percent distribution	Proprietary	Nonprofit	Government	Other
All regions	6,853	100.0	40.6	36.7	22.0	.7
Northeast	1,271	100.0	40.2	50.0	9.4	.4
Midwest	1,964	100.0	29.4	38.5	31.3	.8
South	2,691	100.0	49.3	27.0	22.9	.8
West	927	100.0	39.2	42.8	17.0	1.0

The hospice industry was primarily nonprofit (88 percent), whereas the home health agency industry was more diverse (table D). Thirty-seven percent of all HHA's were nonprofit, with the remaining HHA's being 41 percent proprietary and 22 percent government-owned. Comparing the data from both tables D and E, nonprofit agencies, which were 43 percent of all agencies, cared for 56 percent of the clients. Nonprofit agencies cared for 78 percent of clients receiving only hospice care, 55 percent of clients receiving only home health care, and 56 percent of clients receiving both types of care. Nonprofit HHA's had approximately twice the number of clients receiving home health care as did proprietary HHA's. Also, nonprofit hospices had more clients receiving home health care than did proprietary hospices, but this difference was small.

Despite its low national figure, government-owned HHA's predominated in 10 States (table 6). These 10 States were of a rural character: Alabama, Arkansas, Iowa, Kansas, Minnesota, North Carolina, North Dakota, South Carolina, South Dakota,

and Wyoming. The majority of these States also had more nonprofit HHA's than proprietary ones. Government-owned agencies also enrolled the majority of clients receiving home health care in five of these States (Minnesota, North Carolina, North Dakota, South Carolina, and South Dakota), and in one not listed (Montana) (table 8).

Grouping HHA's by region, those considered more rural (the Midwest and the South) had 31 percent and 23 percent of their agencies under government-ownership, respectively, compared with 17 percent in the West and 9 percent in the Northeast (table F). The South had the greatest percent of HHA's under proprietary ownership (49 percent) compared with the Northeast (40 percent), the West (39 percent), or the Midwest (29 percent).

Tables 11 and 12 show the percent of HHA's and of hospices that provide selected services by ownership status of the agency. Of the 14 services surveyed, the majority were offered by a larger percent of proprietary HHA's than by either nonprofit or government-owned HHA's. Note, in particular,

the percent differences between proprietary and nonprofit HHA's offering occupational therapy and counseling. Such differences may be because it's more profitable to offer a wide selection of services. In contrast, table 12 shows that 11 services were offered by a lower percent of proprietary hospices than by either nonprofit or government-owned hospices. Keep in mind the low numbers of proprietary and government-owned hospices when viewing the hospice distribution in this table.

Table 13 gives the percent of agencies that had volunteers by geographic region according to ownership. Because a Medicare-certified hospice is required to staff volunteers (8), and the majority of hospices in 1991 were certified, the percent of hospices having volunteers was high—93 percent of all hospices had volunteers compared with 21 percent of all HHA's. Most noteworthy about this table, however, is the percent of proprietary agencies versus nonprofit agencies having volunteers. Fifty percent of proprietary hospices and 5 percent of proprietary HHA's had volunteers compared with 96 percent of nonprofit hospices and 39 percent of nonprofit HHA's.

Tables 14–20 present certification data. The agency distribution by State is given in tables 14 and 15 and the client distribution by State is given in tables 16–18. Medicare and Medicaid began covering certain home health care services from the time they were enacted in 1965 (9). Since 1965, the number of Medicare-certified agencies increased most rapidly between 1982 and 1986, after the 1980 legislation permitted States not having licensing laws to certify proprietary agencies (5). Hospice became a Federal program reimbursable under Medicare in 1982 and under Medicaid in 1985.

The agency counts show that the majority of HHA's and hospices were Medicare- and/or Medicaid-certified, but that

larger percents of HHA's were certified than hospices—81 percent versus 63 percent by Medicare, and 81 percent versus 53 percent by Medicaid. The agency counts also show that Medicare- and Medicaid-certification seem to coincide. Some of the more notable exceptions to this were New York and North Dakota, where much higher percents of HHA's were certified by Medicaid than by Medicare, and Arizona where the opposite occurred. Note that in 28 States the number of Medicare-certified HHA's differed from the number of Medicaid-certified HHA's by two or fewer agencies, and that in 31 States the number of Medicare-certified hospices differed from the number of Medicaid-certified hospices by one or no agencies.

The client counts show that Medicare- and Medicaid-certified agencies cared for the large majority of clients receiving each type of care—home health care only, hospice care only, and both home health care and hospice care. For example, 89 percent of clients receiving only home health care and 86 percent of clients receiving only hospice care were enrolled in Medicare-certified agencies.

Table 19 shows the number of agencies by certification and ownership, and table 20 gives this information for clients. According to table 19, nonprofit and government-owned HHA's were more likely to be certified than proprietary ones were. For example, 89 percent of all nonprofit agencies compared with 71 percent of all proprietary agencies were certified by Medicare. Unlike HHA's, approximately the same percent of nonprofit, proprietary, and government-owned hospices were certified. According to table 20, clients receiving home health care, hospice care, or both were most likely to receive their care from a certified nonprofit agency.

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## Symbols

- - - Data not available
  - . . . Category not applicable
  - Quantity zero
  - 0.0 Quantity more than zero but less than 0.05
  - Z Quantity more than zero but less than 500 where numbers are rounded to thousands
  - \* Figure does not meet standard of reliability or precision
-

**Table 1. Number of home health agencies by number of clients and State: United States, 1991**

State	All clients	Number of clients							
		0-9 clients	10-29 clients	30-59 clients	60-99 clients	100-299 clients	300-499 clients	500-999 clients	1,000 or more clients
United States . . . . .	6,853	754	865	1,137	1,084	2,055	515	303	140
Alabama . . . . .	127	5	7	12	18	60	16	6	3
Alaska . . . . .	10	2	3	2	1	1	1	—	—
Arizona . . . . .	71	5	14	11	16	16	5	3	1
Arkansas . . . . .	133	13	25	36	28	25	4	2	—
California (ranked 4th) . . . . .	333	36	38	43	52	102	27	19	16
Colorado . . . . .	101	20	17	14	24	22	1	1	2
Connecticut . . . . .	110	9	5	9	26	33	15	7	6
Delaware . . . . .	19	4	2	1	6	5	—	—	1
District of Columbia . . . . .	18	4	3	2	1	4	1	2	1
Florida (ranked 2nd) . . . . .	413	83	59	58	53	100	38	17	5
Georgia . . . . .	70	4	—	2	3	22	18	18	3
Hawaii . . . . .	18	6	1	7	1	3	—	—	—
Idaho . . . . .	26	4	2	6	6	8	—	—	—
Illinois (ranked 6th) . . . . .	309	21	35	54	50	104	24	15	6
Indiana . . . . .	150	7	13	44	27	46	8	2	3
Iowa . . . . .	155	11	14	24	39	52	11	3	1
Kansas . . . . .	153	41	44	28	18	19	2	1	—
Kentucky . . . . .	112	7	5	10	12	58	11	6	3
Louisiana . . . . .	180	11	14	27	38	77	6	5	2
Maine . . . . .	35	5	—	7	3	12	2	2	4
Maryland . . . . .	96	12	6	23	18	30	4	2	1
Massachusetts . . . . .	166	17	10	18	17	48	24	23	9
Michigan (ranked 9th) . . . . .	196	15	24	33	28	71	10	11	4
Minnesota (ranked 10th) . . . . .	196	15	27	29	31	71	12	9	2
Mississippi . . . . .	116	3	1	15	22	54	16	3	2
Missouri . . . . .	173	8	22	36	37	54	10	4	2
Montana . . . . .	49	14	15	6	4	8	1	—	1
Nebraska . . . . .	75	5	29	17	6	12	3	2	1
Nevada . . . . .	28	2	7	6	8	5	—	—	—
New Hampshire . . . . .	60	13	9	8	6	18	3	1	2
New Jersey . . . . .	111	15	9	15	17	25	13	9	8
New Mexico . . . . .	45	7	8	10	11	8	1	—	—
New York (ranked 3rd) . . . . .	410	38	38	52	51	125	53	35	18
North Carolina . . . . .	155	6	4	13	13	77	28	13	1
North Dakota . . . . .	70	14	19	22	7	7	—	—	1
Ohio (ranked 8th) . . . . .	252	21	26	44	45	76	27	8	5
Oklahoma . . . . .	75	7	8	15	16	25	3	1	—
Oregon . . . . .	71	5	14	14	15	16	2	4	1
Pennsylvania (ranked 5th) . . . . .	317	26	36	52	54	104	20	17	8
Rhode Island . . . . .	43	2	4	7	9	10	5	3	3
South Carolina . . . . .	101	7	7	17	14	36	11	7	2
South Dakota . . . . .	80	24	26	16	4	9	1	—	—
Tennessee (ranked 7th) . . . . .	262	31	22	30	43	94	28	12	2
Texas (ranked 1st) . . . . .	557	85	118	118	82	113	24	11	6
Utah . . . . .	53	5	11	10	10	14	2	1	—
Vermont . . . . .	19	1	3	1	2	5	1	6	—
Virginia (ranked 11th) . . . . .	193	24	23	39	33	64	6	2	2
Washington . . . . .	81	5	9	20	10	23	6	6	2
West Virginia . . . . .	64	5	4	14	9	28	3	1	—
Wisconsin . . . . .	155	10	15	32	32	55	8	3	—
Wyoming . . . . .	41	14	10	8	8	1	—	—	—

**Table 2. Number of hospices by number of clients and State: United States, 1991**

State	All clients	Number of clients							
		0-7 clients	8-19 clients	20-34 clients	35-49 clients	50-74 clients	75-99 clients	100-149 clients	150 or more clients
United States . . . . .	951	235	282	204	80	56	31	29	34
Alabama . . . . .	19	—	7	8	1	2	—	—	1
Alaska . . . . .	5	3	2	—	—	—	—	—	—
Arizona . . . . .	9	1	3	2	—	1	—	1	1
Arkansas . . . . .	11	6	3	—	1	1	—	—	—
California (ranked 1st) . . . . .	83	15	21	23	9	7	4	1	3
Colorado . . . . .	19	8	3	5	2	—	1	—	—
Connecticut . . . . .	9	—	3	5	—	1	—	—	—
Delaware . . . . .	3	1	—	1	—	—	1	—	—
District of Columbia . . . . .	3	1	—	1	1	—	—	—	—
Florida (ranked 8th) . . . . .	34	3	3	2	4	2	4	5	11
Georgia . . . . .	18	4	8	3	2	1	—	—	—
Hawaii . . . . .	8	2	4	1	—	1	—	—	—
Idaho . . . . .	14	7	3	3	—	—	1	—	—
Illinois (ranked 3rd) . . . . .	49	11	14	12	6	2	—	1	3
Indiana . . . . .	13	4	2	3	—	2	1	1	—
Iowa . . . . .	25	11	7	1	2	3	—	—	1
Kansas . . . . .	23	13	6	—	2	—	—	2	—
Kentucky . . . . .	19	1	4	6	2	3	1	—	2
Louisiana . . . . .	11	3	3	2	1	1	—	1	—
Maine . . . . .	15	2	8	3	—	1	—	1	—
Maryland . . . . .	25	5	7	6	—	2	2	2	1
Massachusetts . . . . .	26	2	10	6	4	3	—	—	1
Michigan (ranked 2nd) . . . . .	57	22	20	8	3	2	—	1	1
Minnesota (ranked 9th) . . . . .	33	17	10	4	—	1	1	—	—
Mississippi . . . . .	1	—	1	—	—	—	—	—	—
Missouri . . . . .	15	2	4	3	1	—	1	2	2
Montana . . . . .	12	8	1	2	1	—	—	—	—
Nebraska . . . . .	6	2	1	1	—	2	—	—	—
Nevada . . . . .	2	—	1	—	—	—	1	—	—
New Hampshire . . . . .	13	5	3	4	1	—	—	—	—
New Jersey . . . . .	19	2	5	5	1	1	2	2	1
New Mexico . . . . .	3	1	1	—	—	1	—	—	—
New York (ranked 7th) . . . . .	35	4	10	7	7	2	4	—	1
North Carolina (ranked 4th) . . . . .	48	6	20	15	2	2	2	1	—
North Dakota . . . . .	2	1	1	—	—	—	—	—	—
Ohio (ranked 6th) . . . . .	39	7	15	8	5	2	—	2	—
Oklahoma . . . . .	13	3	7	3	—	—	—	—	—
Oregon . . . . .	14	2	5	4	2	1	—	—	—
Pennsylvania (ranked 10th) . . . . .	28	6	6	8	3	3	1	1	—
Rhode Island . . . . .	5	1	—	1	1	—	—	1	1
South Carolina . . . . .	13	1	7	2	2	—	1	—	—
South Dakota . . . . .	7	5	2	—	—	—	—	—	—
Tennessee . . . . .	11	3	3	3	—	—	—	2	—
Texas (ranked 5th) . . . . .	42	7	9	12	4	4	2	1	3
Utah . . . . .	4	1	2	1	—	—	—	—	—
Vermont . . . . .	7	4	1	1	1	—	—	—	—
Virginia (ranked 11th) . . . . .	28	6	9	8	2	1	—	1	1
Washington . . . . .	11	—	3	6	1	1	—	—	—
West Virginia . . . . .	12	3	5	—	4	—	—	—	—
Wisconsin . . . . .	24	9	8	4	2	—	1	—	—
Wyoming . . . . .	6	4	1	1	—	—	—	—	—

**Table 3. Number of clients by type of care received and State: United States, 1991**

State	All clients	Type of care received		
		Home health care	Hospice care	Both home health and hospice care
United States . . . . .	1,263,704	1,189,464	43,487	30,753
Alabama . . . . .	26,578	25,328	844	406
Alaska . . . . .	764	727	34	3
Arizona . . . . .	10,392	9,790	532	70
Arkansas . . . . .	11,052	10,336	308	408
California (ranked 2nd) . . . . .	76,175	68,902	4,641	2,632
Colorado . . . . .	9,277	8,881	378	18
Connecticut . . . . .	29,716	28,123	393	1,200
Delaware . . . . .	5,730	5,590	139	1
District of Columbia . . . . .	4,631	4,563	68	—
Florida (ranked 3rd) . . . . .	67,277	60,908	5,376	993
Georgia . . . . .	27,500	26,571	529	400
Hawaii . . . . .	1,051	908	127	16
Idaho . . . . .	2,338	2,111	210	17
Illinois (ranked 7th) . . . . .	52,303	48,927	1,500	1,876
Indiana . . . . .	21,839	20,656	597	586
Iowa . . . . .	20,685	19,847	676	162
Kansas . . . . .	8,518	7,528	562	428
Kentucky . . . . .	26,486	24,747	1,238	501
Louisiana . . . . .	26,037	24,383	750	904
Maine . . . . .	11,662	11,141	513	8
Maryland . . . . .	15,963	14,110	1,328	525
Massachusetts (ranked 6th) . . . . .	52,622	47,850	1,808	2,964
Michigan (ranked 10th) . . . . .	41,696	40,325	1,348	23
Minnesota . . . . .	29,365	28,442	733	190
Mississippi . . . . .	24,532	24,444	88	—
Missouri . . . . .	22,858	20,720	930	1,208
Montana . . . . .	6,382	6,121	157	104
Nebraska . . . . .	7,398	7,056	232	110
Nevada . . . . .	2,167	1,978	184	5
New Hampshire . . . . .	9,294	8,894	366	34
New Jersey . . . . .	34,574	29,093	1,360	4,121
New Mexico . . . . .	2,981	2,759	217	5
New York (ranked 1st) . . . . .	181,454	177,547	2,346	1,561
North Carolina . . . . .	36,038	34,443	1,325	270
North Dakota . . . . .	7,521	7,360	59	102
Ohio (ranked 9th) . . . . .	42,673	40,481	1,307	885
Oklahoma . . . . .	7,883	7,681	154	48
Oregon . . . . .	9,512	8,644	714	154
Pennsylvania (ranked 5th) . . . . .	62,190	58,766	2,220	1,204
Rhode Island . . . . .	14,971	14,075	564	332
South Carolina . . . . .	19,570	18,739	491	340
South Dakota . . . . .	3,097	3,026	69	2
Tennessee (ranked 8th) . . . . .	43,961	42,612	483	866
Texas (ranked 4th) . . . . .	65,131	59,258	2,354	3,519
Utah . . . . .	4,852	4,701	136	15
Vermont . . . . .	5,594	5,418	176	—
Virginia . . . . .	27,058	24,429	1,286	1,343
Washington . . . . .	14,638	13,842	712	84
West Virginia . . . . .	8,237	7,859	374	4
Wisconsin . . . . .	18,167	17,572	501	94
Wyoming . . . . .	1,314	1,252	50	12

**Table 4. Number and percent of home health agencies by type of service provided, according to geographic region: United States, 1991**

<i>Type of service</i>	<i>All regions</i>	<i>Northeast</i>	<i>Midwest</i>	<i>South</i>	<i>West</i>
Number . . . . .	6,853	1,271	1,964	2,691	927
Referral services . . . . .	80.1	79.5	82.3	76.9	85.4
High tech care . . . . .	75.1	67.8	74.5	77.6	79.3
Speech therapy . . . . .	65.0	68.3	60.2	65.5	69.5
Occupational therapy/vocational therapy . . . . .	56.7	67.7	53.3	50.2	68.1
Homemaker/companion . . . . .	55.6	67.3	57.7	48.8	55.2
Dietary and nutritional . . . . .	53.9	55.0	52.7	53.0	57.6
Counseling . . . . .	51.9	61.1	45.1	48.9	62.8
Enterostomal therapy . . . . .	45.8	45.1	41.5	45.4	57.1
Medications . . . . .	42.4	43.3	45.3	38.3	47.2
Respite care . . . . .	40.1	53.3	41.3	30.2	48.1
Bereavement care . . . . .	26.9	35.4	26.0	21.1	33.7
Transportation . . . . .	19.4	20.9	20.9	17.1	20.8
Pastoral care . . . . .	14.1	18.9	14.4	10.1	18.2
Meals on wheels . . . . .	8.5	14.2	8.1	5.9	8.8
Other services . . . . .	38.7	38.5	35.9	40.4	40.0

**Table 5. Number and percent of hospices by type of service provided, according to geographic region: United States, 1991**

<i>Type of service</i>	<i>All regions</i>	<i>Northeast</i>	<i>Midwest</i>	<i>South</i>	<i>West</i>
Number . . . . .	951	157	293	311	190
Bereavement care . . . . .	95.0	91.1	97.6	94.2	95.3
Referral services . . . . .	91.8	91.7	91.5	92.9	90.5
Counseling . . . . .	90.3	86.6	89.8	92.3	91.1
Pastoral care . . . . .	90.1	80.9	93.2	92.3	89.5
Respite care . . . . .	86.1	84.7	87.0	84.9	87.9
Dietary and nutritional . . . . .	76.1	70.7	75.1	83.6	70.0
Homemaker/companion . . . . .	70.6	72.0	70.6	70.4	69.5
Medications . . . . .	66.5	65.0	63.5	74.9	58.4
Speech therapy . . . . .	65.8	67.5	64.2	73.0	55.3
Occupational therapy/vocational therapy . . . . .	65.0	65.0	64.2	70.4	57.4
Transportation . . . . .	58.3	59.2	62.1	54.7	57.4
High tech care . . . . .	57.5	55.4	54.9	67.2	47.4
Enterostomal therapy . . . . .	44.3	45.9	45.7	45.7	38.4
Meals on wheels . . . . .	13.0	11.5	19.1	9.3	11.1
Other services . . . . .	26.2	31.2	22.5	28.3	24.2



**Table 6. Number of home health agencies by type of ownership and State: United States, 1991**

State	All agencies	Ownership			
		Proprietary	Nonprofit	Government	Other
United States . . . . .	6,853	2,779	2,515	1,508	51
Alabama . . . . .	127	34	23	70	—
Alaska . . . . .	10	—	6	4	—
Arizona . . . . .	71	33	29	9	—
Arkansas . . . . .	133	16	41	76	—
California . . . . .	333	164	140	24	5
Colorado . . . . .	101	34	42	24	1
Connecticut . . . . .	110	35	61	12	2
Delaware . . . . .	19	6	11	2	—
District of Columbia . . . . .	18	7	9	2	—
Florida . . . . .	413	293	86	33	1
Georgia . . . . .	70	36	28	5	1
Hawaii . . . . .	18	7	7	4	—
Idaho . . . . .	26	10	10	6	—
Illinois . . . . .	309	126	135	47	1
Indiana . . . . .	150	60	61	27	2
Iowa . . . . .	155	16	49	88	2
Kansas . . . . .	153	40	51	62	—
Kentucky . . . . .	112	38	44	26	4
Louisiana . . . . .	180	99	56	25	—
Maine . . . . .	35	15	19	1	—
Maryland . . . . .	96	35	32	29	—
Massachusetts . . . . .	166	37	110	18	1
Michigan . . . . .	196	73	78	41	4
Minnesota . . . . .	196	42	71	81	2
Mississippi . . . . .	116	48	29	39	—
Missouri . . . . .	173	51	77	45	—
Montana . . . . .	49	5	29	15	—
Nebraska . . . . .	75	20	35	19	1
Nevada . . . . .	28	15	9	4	—
New Hampshire . . . . .	60	21	36	3	—
New Jersey . . . . .	111	53	48	10	—
New Mexico . . . . .	45	22	17	6	—
New York . . . . .	410	188	156	65	1
North Carolina . . . . .	155	45	39	70	1
North Dakota . . . . .	70	7	21	42	—
Ohio . . . . .	252	97	100	53	2
Oklahoma . . . . .	75	35	26	13	1
Oregon . . . . .	71	18	38	14	1
Pennsylvania . . . . .	317	138	168	10	1
Rhode Island . . . . .	43	23	20	—	—
South Carolina . . . . .	101	31	19	51	—
South Dakota . . . . .	80	4	20	56	—
Tennessee . . . . .	262	151	61	48	2
Texas . . . . .	557	364	132	54	7
Utah . . . . .	53	24	19	10	—
Vermont . . . . .	19	1	17	1	—
Virginia . . . . .	193	75	63	52	3
Washington . . . . .	81	27	37	16	1
West Virginia . . . . .	64	14	28	21	1
Wisconsin . . . . .	155	42	58	53	2
Wyoming . . . . .	41	4	14	22	1

**Table 7. Number of hospices by type of ownership and State: United States, 1991**

State	All agencies	Ownership			
		Proprietary	Nonprofit	Government	Other
United States . . . . .	951	48	838	51	14
Alabama . . . . .	19	1	16	2	—
Alaska . . . . .	5	—	5	—	—
Arizona . . . . .	9	1	8	—	—
Arkansas . . . . .	11	—	10	—	1
California . . . . .	83	5	70	6	2
Colorado . . . . .	19	—	16	2	1
Connecticut . . . . .	9	—	9	—	—
Delaware . . . . .	3	1	2	—	—
District of Columbia . . . . .	3	—	3	—	—
Florida . . . . .	34	8	26	—	—
Georgia . . . . .	18	1	11	5	1
Hawaii . . . . .	8	—	7	1	—
Idaho . . . . .	14	2	10	2	—
Illinois . . . . .	49	2	45	2	—
Indiana . . . . .	13	1	11	1	—
Iowa . . . . .	25	—	23	2	—
Kansas . . . . .	23	1	20	1	1
Kentucky . . . . .	19	—	19	—	—
Louisiana . . . . .	11	1	10	—	—
Maine . . . . .	15	1	14	—	—
Maryland . . . . .	25	3	21	—	1
Massachusetts . . . . .	26	—	22	3	1
Michigan . . . . .	57	—	55	1	1
Minnesota . . . . .	33	—	29	4	—
Mississippi . . . . .	1	—	1	—	—
Missouri . . . . .	15	1	13	1	—
Montana . . . . .	12	—	11	—	1
Nebraska . . . . .	6	1	4	1	—
Nevada . . . . .	2	—	2	—	—
New Hampshire . . . . .	13	—	13	—	—
New Jersey . . . . .	19	—	18	1	—
New Mexico . . . . .	3	—	3	—	—
New York . . . . .	35	2	30	3	—
North Carolina . . . . .	48	—	43	5	—
North Dakota . . . . .	2	—	2	—	—
Ohio . . . . .	39	—	37	2	—
Oklahoma . . . . .	13	—	13	—	—
Oregon . . . . .	14	—	14	—	—
Pennsylvania . . . . .	28	3	22	2	1
Rhode Island . . . . .	5	1	4	—	—
South Carolina . . . . .	13	—	11	1	1
South Dakota . . . . .	7	—	7	—	—
Tennessee . . . . .	11	1	9	1	—
Texas . . . . .	42	8	34	—	—
Utah . . . . .	4	—	3	—	1
Vermont . . . . .	7	—	7	—	—
Virginia . . . . .	28	2	26	—	—
Washington . . . . .	11	—	11	—	—
West Virginia . . . . .	12	—	11	1	—
Wisconsin . . . . .	24	1	21	1	1
Wyoming . . . . .	6	—	6	—	—

**Table 8. Number of current clients receiving home health care by type of ownership and State: United States, 1991**

State	All clients	Ownership			
		Proprietary	Nonprofit	Government	Other
United States . . . . .	1,189,464	333,480	657,881	189,279	8,824
Alabama . . . . .	25,328	9,800	5,764	9,764	—
Alaska . . . . .	727	—	514	213	—
Arizona . . . . .	9,790	3,854	4,598	1,338	—
Arkansas . . . . .	10,336	1,405	5,354	3,577	—
California . . . . .	68,902	19,411	40,675	6,813	2,003
Colorado . . . . .	8,881	1,906	6,387	525	63
Connecticut . . . . .	28,123	5,162	21,850	1,083	28
Delaware . . . . .	5,590	282	5,207	101	—
District of Columbia . . . . .	4,563	582	3,816	165	—
Florida . . . . .	60,908	38,434	20,447	2,012	15
Georgia . . . . .	26,571	13,756	10,530	2,041	244
Hawaii . . . . .	908	291	610	7	—
Idaho . . . . .	2,111	865	777	469	—
Illinois . . . . .	48,927	15,560	29,287	4,020	60
Indiana . . . . .	20,656	4,462	13,675	1,773	746
Iowa . . . . .	19,847	1,346	9,470	8,534	497
Kansas . . . . .	7,528	2,458	2,958	2,112	—
Kentucky . . . . .	24,747	7,579	10,494	5,115	1,559
Louisiana . . . . .	24,383	13,947	7,939	2,497	—
Maine . . . . .	11,141	1,800	9,295	46	—
Maryland . . . . .	14,110	2,480	9,125	2,505	—
Massachusetts . . . . .	47,850	8,283	38,498	905	164
Michigan . . . . .	40,325	7,476	28,097	4,577	175
Minnesota . . . . .	28,442	7,676	9,263	11,297	206
Mississippi . . . . .	24,444	11,366	5,791	7,287	—
Missouri . . . . .	20,720	5,219	12,747	2,754	—
Montana . . . . .	6,121	178	1,418	4,525	—
Nebraska . . . . .	7,056	1,294	4,237	1,470	55
Nevada . . . . .	1,978	1,295	286	397	—
New Hampshire . . . . .	8,894	639	8,224	31	—
New Jersey . . . . .	29,093	3,395	24,267	1,431	—
New Mexico . . . . .	2,759	1,020	1,286	453	—
New York . . . . .	177,547	18,937	125,380	33,213	17
North Carolina . . . . .	34,443	10,769	8,973	13,962	739
North Dakota . . . . .	7,360	839	743	5,778	—
Ohio . . . . .	40,481	10,087	22,246	7,692	456
Oklahoma . . . . .	7,681	3,678	3,081	840	82
Oregon . . . . .	8,644	1,009	7,000	610	25
Pennsylvania . . . . .	58,766	13,680	43,890	756	440
Rhode Island . . . . .	14,075	2,137	11,938	—	—
South Carolina . . . . .	18,739	4,229	3,677	10,833	—
South Dakota . . . . .	3,026	159	920	1,947	—
Tennessee . . . . .	42,612	25,680	12,476	4,376	80
Texas . . . . .	59,258	33,089	23,801	2,056	312
Utah . . . . .	4,701	1,737	2,356	608	—
Vermont . . . . .	5,418	26	5,364	28	—
Virginia . . . . .	24,429	6,438	8,872	8,730	389
Washington . . . . .	13,842	2,299	10,275	1,208	60
West Virginia . . . . .	7,859	1,596	4,195	1,948	120
Wisconsin . . . . .	17,572	3,563	9,270	4,510	229
Wyoming . . . . .	1,252	307	538	347	60

**Table 9. Number of current clients receiving hospice care by type of ownership and State: United States, 1991**

State	All clients	Ownership			
		Proprietary	Nonprofit	Government	Other
United States . . . . .	43,487	7,003	33,739	2,581	164
Alabama . . . . .	844	162	457	225	—
Alaska . . . . .	34	—	34	—	—
Arizona . . . . .	532	169	363	—	—
Arkansas . . . . .	308	1	273	30	4
California . . . . .	4,641	633	3,761	243	4
Colorado . . . . .	378	13	339	24	2
Connecticut . . . . .	393	13	377	1	2
Delaware . . . . .	139	4	135	—	—
District of Columbia . . . . .	68	—	68	—	—
Florida . . . . .	5,376	2,139	3,228	6	3
Georgia . . . . .	529	106	300	118	5
Hawaii . . . . .	127	—	118	9	—
Idaho . . . . .	210	25	176	9	—
Illinois . . . . .	1,500	233	1,185	82	—
Indiana . . . . .	597	142	378	55	22
Iowa . . . . .	676	1	440	235	—
Kansas . . . . .	562	15	502	45	—
Kentucky . . . . .	1,238	4	1,216	6	12
Louisiana . . . . .	750	501	235	14	—
Maine . . . . .	513	7	505	1	—
Maryland . . . . .	1,328	260	1,016	35	17
Massachusetts . . . . .	1,808	12	1,320	476	—
Michigan . . . . .	1,348	11	1,319	17	1
Minnesota . . . . .	733	2	572	159	—
Mississippi . . . . .	88	1	85	2	—
Missouri . . . . .	930	111	793	26	—
Montana . . . . .	157	—	157	—	—
Nebraska . . . . .	232	3	206	23	—
Nevada . . . . .	184	24	132	28	—
New Hampshire . . . . .	366	56	310	—	—
New Jersey . . . . .	1,360	141	1,213	6	—
New Mexico . . . . .	217	17	194	6	—
New York . . . . .	2,346	567	1,692	87	—
North Carolina . . . . .	1,325	26	1,162	137	—
North Dakota . . . . .	59	—	44	15	—
Ohio . . . . .	1,307	42	1,022	243	—
Oklahoma . . . . .	154	—	154	—	—
Oregon . . . . .	714	12	701	1	—
Pennsylvania . . . . .	2,220	216	1,912	28	64
Rhode Island . . . . .	564	138	426	—	—
South Carolina . . . . .	491	1	417	59	14
South Dakota . . . . .	69	—	69	—	—
Tennessee . . . . .	483	43	360	80	—
Texas . . . . .	2,354	1,023	1,315	16	—
Utah . . . . .	136	2	133	—	1
Vermont . . . . .	176	—	176	—	—
Virginia . . . . .	1,286	92	1,190	4	—
Washington . . . . .	712	30	673	9	—
West Virginia . . . . .	374	1	363	10	—
Wisconsin . . . . .	501	4	477	7	13
Wyoming . . . . .	50	—	46	4	—

**Table 10. Number of current clients receiving both home health care and hospice care by type of ownership and State: United States, 1991**

State	All clients	Ownership			
		Proprietary	Nonprofit	Government	Other
United States . . . . .	30,753	9,380	17,251	4,026	96
Alabama . . . . .	406	297	58	51	-
Alaska . . . . .	3	-	-	3	-
Arizona . . . . .	70	-	70	-	-
Arkansas . . . . .	408	-	15	393	-
California . . . . .	2,632	444	1,356	800	32
Colorado . . . . .	18	6	12	-	-
Connecticut . . . . .	1,200	556	641	1	2
Delaware . . . . .	1	-	1	-	-
District of Columbia . . . . .	-	-	-	-	-
Florida . . . . .	993	567	394	32	-
Georgia . . . . .	400	400	-	-	-
Hawaii . . . . .	16	-	16	-	-
Idaho . . . . .	17	17	-	-	-
Illinois . . . . .	1,876	289	1,187	340	60
Indiana . . . . .	586	1	233	352	-
Iowa . . . . .	162	1	7	154	-
Kansas . . . . .	428	4	244	180	-
Kentucky . . . . .	501	137	361	3	-
Louisiana . . . . .	904	895	9	-	-
Maine . . . . .	8	-	8	-	-
Maryland . . . . .	525	3	267	255	-
Massachusetts . . . . .	2,964	8	2,878	78	-
Michigan . . . . .	23	11	7	5	-
Minnesota . . . . .	190	13	69	108	-
Mississippi . . . . .	-	-	-	-	-
Missouri . . . . .	1,208	401	737	70	-
Montana . . . . .	104	-	103	1	-
Nebraska . . . . .	110	3	28	79	-
Nevada . . . . .	5	-	-	5	-
New Hampshire . . . . .	34	13	21	-	-
New Jersey . . . . .	4,121	3,028	1,093	-	-
New Mexico . . . . .	5	-	4	1	-
New York . . . . .	1,561	968	221	372	-
North Carolina . . . . .	270	-	16	254	-
North Dakota . . . . .	102	-	102	-	-
Ohio . . . . .	885	44	787	54	-
Oklahoma . . . . .	48	45	3	-	-
Oregon . . . . .	154	-	149	5	-
Pennsylvania . . . . .	1,204	105	1,093	6	-
Rhode Island . . . . .	332	185	147	-	-
South Carolina . . . . .	340	50	120	170	-
South Dakota . . . . .	2	-	2	-	-
Tennessee . . . . .	866	573	206	87	-
Texas . . . . .	3,519	143	3,317	59	-
Utah . . . . .	15	1	13	1	-
Vermont . . . . .	-	-	-	-	-
Virginia . . . . .	1,343	171	1,077	95	-
Washington . . . . .	84	-	84	-	-
West Virginia . . . . .	4	1	3	-	-
Wisconsin . . . . .	94	-	92	-	2
Wyoming . . . . .	12	-	-	12	-

**Table 11. Number and percent of home health care agencies by type of services and ownership: United States, 1991**

<i>Type of service</i>	<i>Ownership</i>				
	<i>All types</i>	<i>Proprietary</i>	<i>Nonprofit</i>	<i>Government</i>	<i>Other</i>
Number . . . . .	6,853	2,779	2,515	1,508	51
	Percent				
Referral services . . . . .	80.1	79.5	82.3	76.9	85.4
High tech care . . . . .	75.1	67.8	74.5	77.6	79.3
Speech therapy . . . . .	65.0	68.3	60.2	65.5	69.5
Occupational therapy/vocational therapy . . . . .	56.7	67.7	53.3	50.2	68.1
Homemaker/companion . . . . .	55.6	67.3	57.7	48.8	55.2
Dietary and nutritional . . . . .	53.9	55.0	52.7	53.0	57.6
Counseling . . . . .	51.9	61.1	45.1	48.9	62.8
Enterostomal therapy . . . . .	45.8	45.1	41.5	45.4	57.1
Medications . . . . .	42.4	43.3	45.3	38.3	47.2
Respite care . . . . .	40.1	53.3	41.3	30.2	48.1
Bereavement care . . . . .	26.9	35.4	26.0	21.1	33.7
Transportation . . . . .	19.4	20.9	20.9	17.1	20.8
Pastoral care . . . . .	14.1	18.9	14.4	10.1	18.2
Meals on wheels . . . . .	8.5	14.2	8.1	5.9	8.8
Other services . . . . .	38.7	38.5	35.9	40.4	40.0

**Table 12. Number and percent of hospices by type of services and ownership: United States, 1991**

<i>Type of service</i>	<i>Ownership</i>				
	<i>All types</i>	<i>Proprietary</i>	<i>Nonprofit</i>	<i>Government</i>	<i>Other</i>
Number . . . . .	951	48	838	51	14
	Percent				
Bereavement care . . . . .	95.0	58.3	97.5	90.2	85.7
Referral services . . . . .	91.8	72.9	93.3	92.2	64.3
Counseling . . . . .	90.3	58.3	92.5	96.1	50.0
Pastoral care . . . . .	90.1	52.1	92.5	88.2	85.7
Respite care . . . . .	86.1	60.4	87.7	86.3	78.6
Dietary and nutritional . . . . .	76.1	62.5	76.3	92.2	57.1
Homemaker/companion . . . . .	70.6	64.6	71.2	64.7	71.4
Medications . . . . .	66.5	66.7	66.0	80.4	42.9
Speech therapy . . . . .	65.8	56.3	65.8	80.4	50.0
Occupational therapy/vocational therapy . . . . .	65.0	54.2	64.9	80.4	50.0
Transportation . . . . .	58.3	41.7	59.2	56.9	64.3
High tech care . . . . .	57.5	54.2	57.8	68.6	14.3
Enterostomal therapy . . . . .	44.3	47.9	44.0	51.0	21.4
Meals on wheels . . . . .	13.0	12.5	11.9	27.5	28.6
Other services . . . . .	26.2	27.1	27.1	15.7	7.1

**Table 13. Number and percent of home health agencies and hospices having volunteers by type of ownership and geographic region: United States, 1991**

<i>Geographic region</i>	<i>Ownership</i>				
	<i>All types</i>	<i>Proprietary</i>	<i>Nonprofit</i>	<i>Government</i>	<i>Other</i>
			Number		
All HHA's . . . . .	6,853	2,779	2,515	1,508	51
			Percent		
All regions . . . . .	20.9	4.8	39.3	19.4	35.3
Northeast . . . . .	34.9	7.6	57.8	29.2	60.0
Midwest . . . . .	22.5	4.7	37.0	21.0	37.5
South . . . . .	11.9	3.5	23.8	15.4	23.8
West . . . . .	24.6	6.1	42.5	21.5	44.4
			Number		
All hospices . . . . .	951	48	838	51	14
			Percent		
All regions . . . . .	93.0	50.0	95.8	86.3	92.9
Northeast . . . . .	91.1	28.6	95.7	77.8	50.0
Midwest . . . . .	95.2	71.4	96.6	81.3	100.0
South . . . . .	90.4	42.3	94.7	93.3	100.0
West . . . . .	95.3	75.0	96.4	90.9	100.0

<sup>1</sup>HHA is home health care agency.

**Table 14. Number of home health agencies by type of certification and State: United States, 1991**

State	All agencies	Medicare			Medicaid		
		Certified	Certification pending	Not certified	Certified	Certification pending	Not certified
United States . . . . .	6,853	5,561	48	1,244	5,579	76	1,198
Alabama . . . . .	127	118	—	9	117	1	9
Alaska . . . . .	10	8	—	2	8	—	2
Arizona . . . . .	71	54	1	16	21	2	48
Arkansas . . . . .	133	129	1	3	129	2	2
California . . . . .	333	287	7	39	264	7	62
Colorado . . . . .	101	88	2	11	87	2	12
Connecticut . . . . .	110	106	1	3	107	—	3
Delaware . . . . .	19	17	—	2	17	—	2
District of Columbia . . . . .	18	10	—	8	10	—	8
Florida . . . . .	413	229	5	179	222	16	175
Georgia . . . . .	70	70	—	—	70	—	—
Hawaii . . . . .	18	17	—	1	17	—	1
Idaho . . . . .	26	24	—	2	25	—	1
Illinois . . . . .	309	264	2	43	250	6	53
Indiana . . . . .	150	129	—	21	133	1	16
Iowa . . . . .	155	139	—	16	140	—	15
Kansas . . . . .	153	124	—	29	120	2	31
Kentucky . . . . .	112	109	—	3	107	—	5
Louisiana . . . . .	180	168	—	12	169	—	11
Maine . . . . .	35	27	—	8	29	—	6
Maryland . . . . .	96	73	—	23	68	—	28
Massachusetts . . . . .	166	134	—	32	136	—	30
Michigan . . . . .	196	147	2	47	147	3	46
Minnesota . . . . .	196	184	—	12	181	1	14
Mississippi . . . . .	116	112	1	3	112	1	3
Missouri . . . . .	173	170	—	3	169	1	3
Montana . . . . .	49	46	—	3	47	—	2
Nebraska . . . . .	75	62	—	13	59	—	16
Nevada . . . . .	28	25	1	2	25	1	2
New Hampshire . . . . .	60	35	1	24	37	1	22
New Jersey . . . . .	111	64	1	46	79	3	29
New Mexico . . . . .	45	37	—	8	36	—	9
New York . . . . .	410	188	5	217	270	6	134
North Carolina . . . . .	155	139	—	16	147	—	8
North Dakota . . . . .	70	34	—	36	54	—	16
Ohio . . . . .	252	213	4	35	220	4	28
Oklahoma . . . . .	75	65	1	9	49	1	25
Oregon . . . . .	71	63	—	8	62	—	9
Pennsylvania . . . . .	317	266	—	51	256	3	58
Rhode Island . . . . .	43	16	2	25	19	1	23
South Carolina . . . . .	101	82	—	19	92	—	9
South Dakota . . . . .	80	73	1	6	76	2	2
Tennessee . . . . .	262	248	2	12	247	—	15
Texas . . . . .	557	458	3	96	422	6	129
Utah . . . . .	53	44	1	8	44	1	8
Vermont . . . . .	19	16	—	3	16	—	3
Virginia . . . . .	193	169	2	22	178	—	15
Washington . . . . .	81	57	—	24	59	—	22
West Virginia . . . . .	64	56	—	8	60	—	4
Wisconsin . . . . .	155	141	—	14	144	—	11
Wyoming . . . . .	41	27	2	12	26	2	13



**Table 15. Number of hospices by type of certification and State: United States, 1991**

State	All hospices	Medicare			Medicaid		
		Certified	Certification pending	Not certified	Certified	Certification pending	Not certified
United States . . . . .	951	600	33	318	504	34	413
Alabama . . . . .	19	16	1	2	14	1	4
Alaska . . . . .	5	—	—	5	—	—	5
Arizona . . . . .	9	7	1	1	2	—	7
Arkansas . . . . .	11	7	—	4	4	—	7
California . . . . .	83	39	2	42	26	2	55
Colorado . . . . .	19	14	—	5	10	4	5
Connecticut . . . . .	9	5	—	4	5	—	4
Delaware . . . . .	3	2	—	1	2	—	1
District of Columbia . . . . .	3	2	—	1	1	—	2
Florida . . . . .	34	30	—	4	29	—	5
Georgia . . . . .	18	16	—	2	13	1	4
Hawaii . . . . .	8	4	2	2	4	2	2
Idaho . . . . .	14	11	—	3	11	—	3
Illinois . . . . .	49	25	—	24	22	1	26
Indiana . . . . .	13	7	1	5	5	—	8
Iowa . . . . .	25	13	1	11	13	1	11
Kansas . . . . .	23	5	—	18	4	1	18
Kentucky . . . . .	19	18	—	1	17	—	2
Louisiana . . . . .	11	9	—	2	3	—	8
Maine . . . . .	15	3	3	9	1	1	13
Maryland . . . . .	25	13	1	11	13	—	12
Massachusetts . . . . .	26	18	2	6	18	1	7
Michigan . . . . .	57	29	3	25	29	3	25
Minnesota . . . . .	33	12	2	19	12	—	21
Mississippi . . . . .	1	1	—	—	—	—	1
Missouri . . . . .	15	11	—	4	11	—	4
Montana . . . . .	12	5	1	6	4	1	7
Nebraska . . . . .	6	4	—	2	4	—	2
Nevada . . . . .	2	1	—	1	—	—	2
New Hampshire . . . . .	13	2	—	11	1	—	12
New Jersey . . . . .	19	17	1	1	10	—	9
New Mexico . . . . .	3	2	—	1	2	—	1
New York . . . . .	35	31	1	3	32	1	2
North Carolina . . . . .	48	41	2	5	41	1	6
North Dakota . . . . .	2	2	—	—	2	—	—
Ohio . . . . .	39	37	—	2	35	1	3
Oklahoma . . . . .	13	8	1	4	2	—	11
Oregon . . . . .	14	9	2	3	2	1	11
Pennsylvania . . . . .	28	17	1	10	16	1	11
Rhode Island . . . . .	5	4	—	1	4	—	1
South Carolina . . . . .	13	9	—	4	5	—	8
South Dakota . . . . .	7	4	1	2	2	1	4
Tennessee . . . . .	11	9	—	2	6	3	2
Texas . . . . .	42	36	—	6	35	1	6
Utah . . . . .	4	—	1	3	—	1	3
Vermont . . . . .	7	3	2	2	3	—	4
Virginia . . . . .	28	7	—	21	5	2	21
Washington . . . . .	11	9	—	2	7	—	4
West Virginia . . . . .	12	10	—	2	3	—	9
Wisconsin . . . . .	24	15	1	8	14	2	8
Wyoming . . . . .	6	1	—	5	—	—	6

**Table 16. Number of current clients receiving home health care by type of certification and State: United States, 1991**

State	All clients	Medicare			Medicaid		
		Certified	Certification pending	Not certified	Certified	Certification pending	Not certified
United States . . . . .	1,189,464	1,059,612	2,846	127,006	1,057,478	5,747	126,239
Alabama . . . . .	25,328	24,502	—	826	21,998	409	2,921
Alaska . . . . .	727	522	—	205	522	—	205
Arizona . . . . .	9,790	8,528	40	1,222	3,127	144	6,519
Arkansas . . . . .	10,336	9,687	—	649	10,042	134	160
California . . . . .	68,902	64,239	122	4,541	62,023	210	6,669
Colorado . . . . .	8,881	7,573	25	1,283	8,479	25	377
Connecticut . . . . .	28,123	26,803	1,211	109	27,978	—	145
Delaware . . . . .	5,590	5,446	—	144	5,446	—	144
District of Columbia . . . . .	4,563	3,626	—	937	3,619	—	944
Florida . . . . .	60,908	46,867	259	13,782	40,615	1,544	18,749
Georgia . . . . .	26,571	26,566	—	5	26,566	—	5
Hawaii . . . . .	908	878	—	30	878	—	30
Idaho . . . . .	2,111	2,072	—	39	2,108	—	3
Illinois . . . . .	48,927	43,297	37	5,593	41,731	947	6,249
Indiana . . . . .	20,656	18,545	—	2,111	19,765	54	837
Iowa . . . . .	19,847	17,353	—	2,494	17,369	—	2,478
Kansas . . . . .	7,528	5,737	—	1,791	5,558	658	1,312
Kentucky . . . . .	24,747	23,907	—	840	23,889	—	858
Louisiana . . . . .	24,383	23,960	—	423	23,990	—	393
Maine . . . . .	11,141	10,634	—	507	10,964	—	177
Maryland . . . . .	14,110	12,257	—	1,853	11,359	—	2,751
Massachusetts . . . . .	47,850	42,067	—	5,783	42,639	—	5,211
Michigan . . . . .	40,325	30,283	155	9,887	30,506	225	9,594
Minnesota . . . . .	28,442	27,779	12	651	27,315	125	1,002
Mississippi . . . . .	24,444	23,849	190	405	23,848	190	406
Missouri . . . . .	20,720	20,633	—	87	20,514	148	58
Montana . . . . .	6,121	6,108	—	13	6,113	—	8
Nebraska . . . . .	7,056	5,646	—	1,410	5,329	—	1,727
Nevada . . . . .	1,978	1,908	20	50	1,908	20	50
New Hampshire . . . . .	8,894	7,645	6	1,243	7,945	6	943
New Jersey . . . . .	29,093	25,068	50	3,975	26,519	99	2,475
New Mexico . . . . .	2,759	2,466	—	293	2,466	—	293
New York . . . . .	177,547	143,474	256	33,817	154,431	236	22,880
North Carolina . . . . .	34,443	32,691	—	1,752	33,982	—	461
North Dakota . . . . .	7,360	1,803	—	5,557	2,393	—	4,967
Ohio . . . . .	40,481	38,140	27	2,314	39,428	27	1,026
Oklahoma . . . . .	7,681	7,193	6	482	4,829	6	2,846
Oregon . . . . .	8,644	8,050	—	594	7,594	—	1,050
Pennsylvania . . . . .	58,766	54,996	—	3,770	53,743	128	4,895
Rhode Island . . . . .	14,075	11,244	317	2,514	11,429	232	2,414
South Carolina . . . . .	18,739	16,060	—	2,679	17,587	—	1,152
South Dakota . . . . .	3,026	2,200	—	826	2,858	36	132
Tennessee . . . . .	42,612	42,057	—	555	41,088	—	1,524
Texas . . . . .	59,258	57,282	26	1,950	55,414	77	3,767
Utah . . . . .	4,701	3,689	7	1,005	3,689	7	1,005
Vermont . . . . .	5,418	5,339	—	79	5,339	—	79
Virginia . . . . .	24,429	22,739	20	1,670	23,542	—	887
Washington . . . . .	13,842	11,266	—	2,576	11,328	—	2,514
West Virginia . . . . .	7,859	7,389	—	470	7,710	—	149
Wisconsin . . . . .	17,572	16,794	—	778	17,219	—	353
Wyoming . . . . .	1,252	755	60	437	747	60	445

**Table 17. Number of current clients receiving hospice care by type of certification and State: United States, 1991**

State	All clients	Medicare			Medicaid		
		Certified	Certification pending	Not certified	Certified	Certification pending	Not certified
United States . . . . .	43,487	37,184	524	5,779	35,097	641	7,749
Alabama . . . . .	844	793	14	37	732	14	98
Alaska . . . . .	34	5	—	29	5	—	29
Arizona . . . . .	532	474	16	42	323	—	209
Arkansas . . . . .	308	289	—	19	229	—	79
California . . . . .	4,641	3,871	72	698	3,236	47	1,358
Colorado . . . . .	378	347	—	31	290	68	20
Connecticut . . . . .	393	334	—	59	334	—	59
Delaware . . . . .	139	134	—	5	134	—	5
District of Columbia . . . . .	68	62	—	6	42	—	26
Florida . . . . .	5,376	5,126	3	247	5,269	3	104
Georgia . . . . .	529	508	—	21	452	42	35
Hawaii . . . . .	127	88	23	16	88	23	16
Idaho . . . . .	210	196	—	14	196	—	14
Illinois . . . . .	1,500	1,146	—	354	1,101	5	394
Indiana . . . . .	597	452	15	130	405	—	192
Iowa . . . . .	676	598	6	72	598	6	72
Kansas . . . . .	562	470	—	92	446	14	102
Kentucky . . . . .	1,238	1,228	—	10	1,207	—	31
Louisiana . . . . .	750	741	—	9	619	—	131
Maine . . . . .	513	312	80	121	162	50	301
Maryland . . . . .	1,328	1,087	10	231	1,087	—	241
Massachusetts . . . . .	1,808	1,633	31	144	1,630	25	153
Michigan . . . . .	1,348	1,093	14	241	1,087	14	247
Minnesota . . . . .	733	547	23	163	520	—	213
Mississippi . . . . .	88	88	—	—	76	—	12
Missouri . . . . .	930	634	—	296	619	15	296
Montana . . . . .	157	138	3	16	108	3	46
Nebraska . . . . .	232	138	—	94	136	—	96
Nevada . . . . .	184	170	—	14	87	—	97
New Hampshire . . . . .	366	178	—	188	182	—	184
New Jersey . . . . .	1,360	1,190	55	115	1,046	51	263
New Mexico . . . . .	217	211	—	6	211	—	6
New York . . . . .	2,346	1,733	5	608	2,016	5	325
North Carolina . . . . .	1,325	1,249	36	40	1,249	20	56
North Dakota . . . . .	59	44	—	15	59	—	0
Ohio . . . . .	1,307	1,229	—	78	1,182	35	90
Oklahoma . . . . .	154	106	7	41	44	—	110
Oregon . . . . .	714	628	15	71	415	8	291
Pennsylvania . . . . .	2,220	2,024	50	146	1,998	51	171
Rhode Island . . . . .	564	546	—	18	546	—	18
South Carolina . . . . .	491	319	—	172	366	—	125
South Dakota . . . . .	69	59	5	5	33	5	31
Tennessee . . . . .	483	466	—	17	401	65	17
Texas . . . . .	2,354	2,318	—	36	2,086	14	254
Utah . . . . .	136	62	27	47	62	27	47
Vermont . . . . .	176	153	10	13	153	—	23
Virginia . . . . .	1,286	590	—	696	572	8	706
Washington . . . . .	712	584	—	128	574	—	138
West Virginia . . . . .	374	348	—	26	260	—	114
Wisconsin . . . . .	501	441	4	56	422	23	56
Wyoming . . . . .	50	4	—	46	2	—	48

**Table 18. Number of current clients receiving both home health and hospice care by type of certification and State: United States, 1991**

State	All agencies	Medicare			Medicaid		
		Certified	Certification pending	Not certified	Certified	Certification pending	Not certified
United States . . . . .	30,753	26,331	68	4,354	26,492	67	4,194
Alabama . . . . .	406	368	7	31	368	7	31
Alaska . . . . .	3	—	—	3	—	—	3
Arizona . . . . .	70	70	—	—	67	—	3
Arkansas . . . . .	408	408	—	—	408	—	—
California . . . . .	2,632	2,444	37	151	2,532	25	75
Colorado . . . . .	18	17	—	1	17	—	1
Connecticut . . . . .	1,200	1,168	—	32	1,168	—	32
Delaware . . . . .	1	—	—	1	—	—	1
District of Columbia . . . . .	—	—	—	—	—	—	—
Florida . . . . .	993	943	—	50	943	—	50
Georgia . . . . .	400	400	—	—	400	—	—
Hawaii . . . . .	16	—	16	—	—	16	—
Idaho . . . . .	17	17	—	—	17	—	—
Illinois . . . . .	1,876	1,806	—	70	1,804	—	72
Indiana . . . . .	586	575	—	11	575	—	11
Iowa . . . . .	162	159	—	3	159	—	3
Kansas . . . . .	428	428	—	—	303	—	125
Kentucky . . . . .	501	501	—	—	501	—	—
Louisiana . . . . .	904	895	—	9	895	—	9
Maine . . . . .	8	5	3	—	5	—	3
Maryland . . . . .	525	510	—	15	510	—	15
Massachusetts . . . . .	2,964	779	2	2,183	779	—	2,185
Michigan . . . . .	23	17	—	6	12	—	11
Minnesota . . . . .	190	188	—	2	188	—	2
Mississippi . . . . .	—	—	—	—	—	—	—
Missouri . . . . .	1,208	1,065	—	143	1,065	—	143
Montana . . . . .	104	98	—	6	98	—	6
Nebraska . . . . .	110	110	—	—	50	—	60
Nevada . . . . .	5	5	—	—	5	—	—
New Hampshire . . . . .	34	6	—	28	16	—	18
New Jersey . . . . .	4,121	4,093	—	28	4,054	—	67
New Mexico . . . . .	5	5	—	—	5	—	—
New York . . . . .	1,561	427	—	1,134	716	—	845
North Carolina . . . . .	270	262	2	6	262	—	8
North Dakota . . . . .	102	102	—	—	102	—	—
Ohio . . . . .	885	856	—	29	856	—	29
Oklahoma . . . . .	48	48	—	—	1	—	47
Oregon . . . . .	154	128	—	26	128	—	26
Pennsylvania . . . . .	1,204	1,113	—	91	1,090	—	114
Rhode Island . . . . .	332	267	—	65	267	—	65
South Carolina . . . . .	340	220	—	120	340	—	—
South Dakota . . . . .	2	2	—	—	2	—	—
Tennessee . . . . .	866	854	—	12	854	—	12
Texas . . . . .	3,519	3,484	—	35	3,477	3	39
Utah . . . . .	15	13	1	1	13	1	1
Vermont . . . . .	—	—	—	—	—	—	—
Virginia . . . . .	1,343	1,289	—	54	1,274	15	54
Washington . . . . .	84	84	—	—	64	—	20
West Virginia . . . . .	4	1	—	3	1	—	3
Wisconsin . . . . .	94	89	—	5	89	—	5
Wyoming . . . . .	12	12	—	—	12	—	—

**Table 19. Number and percent distribution of home health agencies and hospices by type of certification, according to type of ownership: United States, 1991**

Ownership	Medicare												Medicaid			
	All		Certified		Certification pending		Not certified		Certified		Certification pending		Not certified			
	Number	Percent distribution	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
<b>All home health care agencies</b>																
All	6,853	100.0	5,561	81.1	48	0.7	1,244	18.2	5,579	81.4	76	1.1	1,198	17.5		
Proprietary	2,779	100.0	1,975	71.1	29	1.0	775	27.9	1,968	70.8	51	1.8	760	27.3		
Nonprofit	2,515	100.0	2,243	89.2	10	0.4	262	10.4	2,223	88.4	14	0.6	278	11.1		
Government	1,508	100.0	1,302	86.3	6	0.4	200	13.3	1,346	89.3	8	0.5	154	10.2		
Other	51	100.0	41	80.4	3	5.9	7	13.7	42	82.4	3	5.9	6	11.8		
<b>All hospices</b>																
All	951	100.0	600	63.1	33	3.5	318	33.4	504	53.0	34	3.6	413	43.4		
Proprietary	48	100.0	32	66.7	1	2.1	15	31.3	26	54.2	3	6.3	19	39.6		
Nonprofit	838	100.0	529	63.1	31	3.7	278	33.2	441	52.6	29	3.5	368	43.9		
Government	51	100.0	36	70.6	1	2.0	14	27.5	34	66.7	2	3.9	15	29.4		
Other	14	100.0	3	21.4	—	0.0	11	78.6	3	21.4	—	0.0	11	78.6		

**Table 20. Number and percent distribution of current clients receiving home health care, hospice care, and both by type of certification, according to type of ownership: United States, 1991**

Ownership	Medicare												Medicaid			
	All		Certified		Certification pending		Not certified		Certified		Certification pending		Not certified			
	Number	Percent distribution	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
<b>Home health care</b>																
All	1,189,464	100.0	1,059,612	89.1	2,846	0.2	127,006	10.7	1,057,478	88.9	5,747	0.5	126,239	10.6		
Proprietary	333,480	100.0	287,208	86.1	801	0.2	45,471	13.6	278,936	83.6	3,522	1.1	51,022	15.3		
Nonprofit	657,881	100.0	597,192	90.8	1,632	0.2	59,057	9.0	600,378	91.3	1,049	0.2	56,454	8.6		
Government	189,279	100.0	166,732	88.1	358	0.2	22,189	11.7	169,634	89.6	1,121	0.6	18,524	9.8		
Other	8,824	100.0	8,480	96.1	55	0.6	289	3.3	8,530	96.7	55	0.6	239	2.7		
<b>Hospice</b>																
All	43,487	100.0	37,184	85.5	524	1.2	5,779	13.3	35,097	80.7	641	1.5	7,749	17.8		
Proprietary	7,003	100.0	5,770	82.4	117	1.7	1,116	15.9	5,655	80.8	154	2.2	1,194	17.0		
Nonprofit	33,739	100.0	29,015	86.0	403	1.2	4,321	12.8	27,058	80.2	453	1.3	6,228	18.5		
Government	2,581	100.0	2,294	88.9	1	0.0	286	11.1	2,279	88.3	31	1.2	271	10.5		
Other	164	100.0	105	64.0	3	1.8	56	34.1	105	64.0	3	1.8	56	34.1		
<b>Both</b>																
All	30,753	100.0	26,331	85.6	68	0.2	4,354	14.2	26,492	86.1	67	0.2	4,194	13.6		
Proprietary	9,380	100.0	7,919	84.4	45	0.5	1,416	15.1	8,090	86.2	36	0.4	1,254	13.4		
Nonprofit	17,251	100.0	14,377	83.3	23	0.1	2,851	16.5	14,427	83.6	31	0.2	2,793	16.2		
Government	4,026	100.0	3,941	97.9	—	—	85	2.1	3,881	96.4	—	—	145	3.6		
Other	96	100.0	94	97.9	—	—	2	2.1	94	97.9	—	—	2	2.1		

# Appendixes

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# Appendix I

## Technical notes

### Creation of a mailing list

The NHPI was a mail survey conducted by NCHS. The mailing list of home health agencies and hospices for the 1991 NHPI contained 14,089 records. These were records of all agencies that NCHS was able to identify as potentially being either a home health agency or a hospice. The list was constructed using NCHS's Agency Reporting System, which is an ongoing system designed to periodically update the NHPI listings (10). The sources for the mailing list included the names and addresses of providers obtained from the most recently published directories and listings from different national and State organizations, both private and public. The data set and collection procedures for hospices and home health agencies were developed and tested in the study, "Feasibility of Studying Hospices and Home Health Agencies"(11).

### Mail survey

The U.S. Bureau of the Census, under an interagency agreement with NCHS, served as the data collection and data processing agent.

Three questionnaire mailouts, plus a field followup, were used to complete the Inventory. On April 5, 1991, all facilities in the mailing list universe were mailed a questionnaire. About a week later, a reminder/thank you letter was mailed. Two additional mailings at 6-week intervals were made to the nonresponding agencies and to the Postmaster Returns (PMR's). At the end of the mail survey, refusals, PMR's, and nonresponses were contacted by telephone. Interviewers contacted these providers until either the information was collected or a firm refusal was received. This final followup ended on November 1, 1991.

Questionnaire items 2, 3, 4, 5, 7, and 8 were considered critical to determine whether an agency was in scope for the NHPI and for stratifying the long-term care sample. These items ask for the agency's address, telephone number, county, current operating status, and primary service category; and whether the agency was certified under Medicare, respectively. Appendix II includes a copy of the questionnaire used. If any of these items were not completed on a returned questionnaire, the agency was contacted by telephone either to obtain the information directly or to arrange for a personal interview. If a nonrespondent was reluctant to provide information either over the telephone or through personal interview, the interviewer made a final attempt, by telephone, to determine these

critical questionnaire items (2, 3, 4, 5, 7, and 8), plus items 6 (type of agency ownership), 10 (number of clients), and 13 (number of visits in the last calendar year).

### Results of mail survey

Of the 14,089 agencies to which questionnaires were mailed, 7,804 were either an HHA or hospice. Of the remaining 6,285 agencies, 116 were nonrespondents and 6,169 were out-of-scope or not in operation (questionnaires were returned by the U.S. Post Office and/or field interviewers were unable to locate them by telephone).

The 6,169 agencies that were out-of-scope or not in operation fit into two major categories. The first category included: 4,501 agencies that were not yet open, no longer provided home health or hospice care, or were out of business; 99 agencies that were home offices only; and, 1,352 agencies that were duplicates in the mailing list. The second category consisted of 217 agencies that were not classified as home health agencies or hospices. This classification scheme is described in a later section. The majority of agencies in the first category were removed from the list of eligible agencies by the U.S. Bureau of the Census during the mailings and field followup; 566 of the duplicate agencies in the first category were removed by NCHS. Agencies in the second category were also removed by NCHS.

The overall response rate was 98.5 percent. The numerator is 7,804 (number of responding agencies). The denominator is 7,920 (number of responding agencies plus 116 refusing agencies and nonresponding agencies).

### Classification of agencies

There were 7,804 agencies classified as either a home health agency or a hospice. NCHS examined two ways to classify the agencies: one by using "type of client" (questionnaire items 10 and 11) and one by using "PRIMARY service category" (questionnaire item 7). The client data were used because they permitted classification of the largest numbers of agencies into either the home health agency category or the hospice category, with only 64 agencies remaining in the category of agencies providing both home health and hospice care. Classifying the agencies as either a home health agency or hospice was important for sampling purposes for the National Home and Hospice Care Survey (12).

**Table I. Number of agencies by NCHS and “Question 7” classification: United States, 1991**

<i>Classification</i>	<i>All</i>	<i>Home health care agency</i>	<i>Hospice</i>	<i>Both unknown</i>	<i>Neither</i>
NCHS . . . . .	7,804	6,797	943	64	0
Question 7 . . . . .	7,804	6,142	863	348	451

When questionnaire item 7 is used, the number of agencies in each category is different than when the client classification system is used (table I). There are two primary reasons for the discrepancy. First, there were inconsistencies between the answer to question 7 (“PRIMARY service category”) and questions 10 and 11 (the client data). For example, if an agency indicated “Home Health Agency” as its primary service category, but it served clients receiving hospice care and no clients receiving home health care, NCHS classified the agency as a hospice. The second reason for the discrepancy occurred when an agency answered “Neither” for question 7 because home health and/or hospice services were only part of the range of services it provided. Of the 6,142 agencies that indicated their “PRIMARY service category” as home health care, 34 were classified by NCHS as a hospice. Of the 863 agencies that indicated their “PRIMARY service category” as hospice, 12 were classified by NCHS as HHA’s. The most notable difference between the two classification methods is that the client system classifies only 64 of the agencies as being both a home health agency and a hospice and no agencies as being neither. In contrast, the “PRIMARY

service category” classifies 348 agencies as both a home health agency and 451 as being neither.

The classification process for the 7,804 agencies is shown in figure 1. The first step resulted in 4,991 HHA’s, 722 hospices, and 2,089 agencies being classified in the “both” category. These 2,089 agencies had both HHA and hospice clients that were either “active,” were served in 1990, or were discharged in 1990. That is, these agencies indicated that they had HHA clients in either question 10.b, 11.b, or 14.b, and hospice clients in either questions 10a, 11a, or 14c. These 2,089 clients were reclassified in steps 2–4 and 62 agencies remained. These 62 agencies indicated that: (1) they had no active clients, no 1990 clients, and no discharges in 1990; and (2) they did not indicate their “PRIMARY service category” (question 7). The 62 agencies, plus the two agencies classified as “unknown,” were placed in the home health agency or hospice categories case-by-case, using other information in the record. Clients (active clients, 1990 clients, and client discharges) were the determining factors in the classification, and question 7 was used only as a last resort in step 5.

### Editing procedures

In addition to eliminating the out-of-scope agencies, other edits were necessary to prepare the file of in-scope facilities. Edits were made to correct inconsistencies between data items; for missing items, data were imputed from existing information when possible. For example, a total of 59 missing data items were imputed for questions 6–9 by allocating the missing items proportionally to the answered items.




**Figure 1. Classification of agencies: United States, 1991**

	Step one		Step two		Step three		Step four		Step five		Final frequency
	Frequency	Description	Frequency	Description	Frequency	Description	Frequency	Description	Frequency	Description	
Home health agency	4,991	Q10a=0 & Q11a=0 & Q14a=0 and Q10c=0 & Q11c=0 and (Q10b>0 or Q11b>0 or Q14b>0)	+ 794	Q10b>0 & Q10a=0	+ 758	Q10a>0 & Q10b>0 & Q10b>Q10a	+48	[Either (Q10a=0 & Q10b=0) or (Q10a>0 & Q10b>0 & Q10a=Q10b)] AND (Q11b>0 or Q14b>0) and (Q11a=0 & Q14a=0)	+ 206	Q10a=0 & Q10b=0 & Q11a=0 & Q11b=0 & Q14a=0 & Q14b=0 and Q7='01'	= 6,797
Hospice	722	(Q10a>0 or Q11a>0 or Q14a>0) and Q10c=0 & Q11c=0 and Q10b=0 & Q11b=0 & Q14b=0	+ 126	Q10a>0 & Q10b=0	+ 62	Q10a>0 & Q10b>0 & Q10a>Q10b	+ 19	[Either (Q10a=0 & Q10b=0) or (Q10a>0 & Q10b>0 & Q10a=Q10b)] AND (Q11a>0 or Q14a>0) and (Q11b=0 & Q14b=0)	+ 14	Q10a=0 & Q10b=0 & Q11a=0 & Q11b=0 & Q14a=0 & Q14b=0 and Q7='02'	= 943
Both	2,089	All cases initially classified as "Both" were reclassified into HHA or Hospice using the criteria for steps 2, 3, 4 and 5.	(920)		(820)		(67)		(220)	Final criteria for BOTH: [Q10a=0 & Q10b=0 & Q11a=0 & Q11b=0 & Q14a=0 & Q14b=0 and (Q7 NE '01' & NE '02')]	= 62
Unknown	2	Q10a/ Q10b/ Q10c all=0 and Q11a/ Q11b/ Q11c all=0 and Q14a/ Q14b both=0 and Q7=4 (neither) or not answered									= 2
Total	<u>7,804</u>										<u>7,804</u>

NOTE: Q is the item number on the questionnaire. NE is not equal to.

# Appendix II Questionnaire used in the Inventory

OMB No. 0920-0267; Approval Expires 12/31/92

<div style="border: 1px solid black; width: 100%; height: 100%; display: flex; align-items: center; justify-content: center;"> <span style="border: 1px solid black; padding: 2px;">PGM 2</span> </div>	<div style="border: 1px solid black; width: 100%; height: 100%; display: flex; flex-direction: column; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p><b>FORM NHPI-2</b> (12-12-90)</p> <p>U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS ACTING AS COLLECTING AGENT FOR THE U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES PUBLIC HEALTH SERVICE</p> <p><b>1991 NATIONAL HEALTH PROVIDER INVENTORY</b></p> </div> <div style="border-top: 1px solid black; width: 100%; display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center; font-weight: bold; font-size: small;">             PLEASE RETURN IN 5 DAYS TO           </div> <div style="text-align: center; font-weight: bold; font-size: small;">             Bureau of the Census 1201 East Tenth Street Jeffersonville, IN 47132           </div> </div> </div>		
<p>Dear Administrator:</p> <p>As part of our responsibility to provide information on the Nation's health resources, the National Center for Health Statistics (NCHS) collects information about facilities providing health care, including hospitals, nursing homes, home health agencies and hospices. This information is collected under the authority of Section 306 (42 U.S.C. 242k) of the Public Health Service Act and, as in past years, we have asked the Bureau of the Census to conduct the survey for us.</p> <p>The purpose of this survey is to obtain current information from each hospice/home health agency on its ownership, certification status, and other related characteristics. The questionnaire is short and will take only a few minutes of your time. The information that you provide for sections A and B of the questionnaire will be made available by the NCHS upon request. However, the data from section C will be held in strict confidence, and will be used only for statistical purposes.</p> <p>Your participation in this survey is voluntary and there are no penalties for not answering any question. However, the information you can provide is needed by the health industry and your cooperation would be greatly appreciated. Please return this questionnaire to the Bureau of the Census within 5 days in the enclosed envelope to avoid the expense of an additional mailing or contact by a Field Representative.</p> <p>Sincerely yours,</p> <div style="text-align: center; margin: 10px 0;">  </div> <p>Manning Feinleib, M.D., Dr. P.H. Director National Center for Health Statistics</p>			
<p>Public reporting burden for this collection of information is estimated to average 15 minutes per response. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to PHS Reports Clearance Officer; ATTN: PRA: Hubert H. Humphrey Building, Room 721-H; 200 Independence Ave., SW; Washington, DC 20201, and to the Office of Management and Budget; Paperwork Reduction Project (0920-0267); Washington, DC 20503.</p>			
<p style="text-align: center;"><b>INSTRUCTIONS FOR COMPLETING THIS FORM</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top; padding: 5px;"> <p><b>1.</b> Include in this questionnaire information only for the home health agency/hospice named on the mailing label or for its SUCCESSOR if the name or owner has changed.</p> <p><b>2.</b> Is there more than one home health agency or hospice at this address?</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Yes — <b>How many?</b> <span style="border: 1px solid black; padding: 2px 10px;">006</span> </div> <p><b>005</b> <input type="checkbox"/> Yes — If you received a separate questionnaire for each home health agency/hospice, please complete a questionnaire for each one and include the correct name for each one.</p> <p><input type="checkbox"/> No — If you receive more than one questionnaire, complete only one and return all others with the notation: "Completed and returned under (give the name of the home health agency/hospice on the completed form and give the IDENTIFICATION NUMBER found in the upper left corner of its mailing label)."</p> </td> <td style="width: 50%; vertical-align: top; padding: 5px;"> <p><b>3.</b> Are you a home office which has received questionnaires from one or more of your home health agencies or hospices?</p> <p><b>007</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No — <i>Go to 4</i></p> <p style="margin-left: 20px;">Please fill a questionnaire received for each agency.</p> <p><b>4.</b> Please answer each question unless there is an instruction to "Go to" another question.</p> </td> </tr> </table>		<p><b>1.</b> Include in this questionnaire information only for the home health agency/hospice named on the mailing label or for its SUCCESSOR if the name or owner has changed.</p> <p><b>2.</b> Is there more than one home health agency or hospice at this address?</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Yes — <b>How many?</b> <span style="border: 1px solid black; padding: 2px 10px;">006</span> </div> <p><b>005</b> <input type="checkbox"/> Yes — If you received a separate questionnaire for each home health agency/hospice, please complete a questionnaire for each one and include the correct name for each one.</p> <p><input type="checkbox"/> No — If you receive more than one questionnaire, complete only one and return all others with the notation: "Completed and returned under (give the name of the home health agency/hospice on the completed form and give the IDENTIFICATION NUMBER found in the upper left corner of its mailing label)."</p>	<p><b>3.</b> Are you a home office which has received questionnaires from one or more of your home health agencies or hospices?</p> <p><b>007</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No — <i>Go to 4</i></p> <p style="margin-left: 20px;">Please fill a questionnaire received for each agency.</p> <p><b>4.</b> Please answer each question unless there is an instruction to "Go to" another question.</p>
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**Section A IDENTIFICATION OF AGENCY**

**NOTE** — Detailed identification information is needed to prevent duplicate listings and to assure that your agency is properly represented in this survey.

1. Is the <b>NAME</b> of your agency or facility correct as shown on the mailing label?	008	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No — What is the full correct name? ↴
	009	_____
2. Is the <b>ADDRESS</b> on the mailing label correct? <b>PGM 3</b>	010	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No — What is the complete correct mailing address?
	011	Number or box, street or route
	012	City or town
	013	State
	014	ZIP Code
3. What is the telephone number of your agency or facility?	015	Area code      016      Number
4. In what county is your agency or facility located? <i>If in an independent city, enter that instead of the county and mark (X) the box.</i>	017	_____
	018	<input type="checkbox"/> Independent city _____ County

**Section B AGENCY INFORMATION**

5. Which of these categories describes this agency's current operating status?  <i>Mark (X) only one box</i>	PGM 4	019	1 <input type="checkbox"/> Agency currently provides hospice and/or home health care 2 <input type="checkbox"/> Agency does <b>not yet</b> provide hospice and/or home health care but <b>plans to do so in the future</b> — <i>Specify expected operation date</i> ↴						
		020	<table border="1"> <tr> <td>Month</td> <td>Day</td> <td>Year</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Month	Day	Year			
	Month	Day	Year						
	019	3 <input type="checkbox"/> Agency is in operation but no longer provides hospice or home health care 4 <input type="checkbox"/> Agency is no longer in operation 5 <input type="checkbox"/> Agency never provided hospice or home health care 6 <input type="checkbox"/> Other — <i>Specify</i> ↴							
	021	_____							
6. What is the type of ownership of this agency?  <i>Mark (X) only one box</i>		022	1 <input type="checkbox"/> For profit (includes individual or private, partnership, corporation) 2 <input type="checkbox"/> Nonprofit (includes church-related, nonprofit corporation, other nonprofit ownership) 3 <input type="checkbox"/> State or local government (includes state, county, city, city-county, hospital district or authority) 4 <input type="checkbox"/> Federal government (includes USPHS, Armed Forces, Veterans Administration) 5 <input type="checkbox"/> Other — <i>Specify</i> ↴						
		023	_____						
7. What is the <b>PRIMARY</b> service category of this agency?  <i>Mark (X) only one box</i>		024	1 <input type="checkbox"/> Home Health Agency 2 <input type="checkbox"/> Hospice 3 <input type="checkbox"/> Both hospice and home health are equal 4 <input type="checkbox"/> Neither — <i>Specify agency's primary focus</i> ↴						
		025	_____						
8. Is this agency certified under Medicare?  <i>Mark (X) only one box</i>		026	1 <input type="checkbox"/> Certified 2 <input type="checkbox"/> Certification pending 3 <input type="checkbox"/> Not certified						
		027	_____						
9. Is this agency certified under Medicaid?  <i>Mark (X) only one box</i>		027	1 <input type="checkbox"/> Certified 2 <input type="checkbox"/> Certification pending 3 <input type="checkbox"/> Not certified						
			_____						

Go to section D, page 4

Section B AGENCY INFORMATION – Continued		PGM 5
<b>10. What is the number of active hospice and home health clients currently on the agency rolls? – If this is unavailable, give the "average daily census" for the last period tallied.</b>	028	
<b>a. Number of active hospice clients</b>		<input type="checkbox"/> None
<b>b. Number of active home health clients</b>	029	<input type="checkbox"/> None
<b>c. Number of active clients who are both hospice and home health clients – Do not include clients in 10a or 10b above</b>	030	<input type="checkbox"/> None
<b>d. Total number of active clients</b>	031	Total number
<b>e. Source used – Mark (X) only one box</b>	032	1 <input type="checkbox"/> Current      2 <input type="checkbox"/> Average daily census
<b>11. During 1990, what was the number of hospice and other home health clients served by the agency?</b>	033	
<b>a. Number of hospice clients in 1990</b>		<input type="checkbox"/> None
<b>b. Number of home health clients in 1990</b>	034	<input type="checkbox"/> None
<b>c. Number of clients who were served as BOTH home health and hospice clients in 1990 – Do not include clients in 11a or 11b above</b>	035	<input type="checkbox"/> None
<b>d. Total number of clients served in 1990</b>	036	Total number
<b>12. How many days of care were provided to your clients in 1990?</b>	037	Total days of care
<b>13. What was the total number of hospice and/or home health visits provided by your agency in 1990? – Include visits provided by agency staff and visits provided through contract service.</b>	038	Total number of home visits in 1990 – Exclude volunteer visits <input type="checkbox"/> None
<b>14. During 1990, what was the number of hospice and/or home health clients who were discharged both alive and dead by the agency? – If client was both a hospice client and a "nonhospice" home health client, place the client in the category in which she/he was enrolled at discharge.</b>	039	
<b>a. Number of hospice client discharges in 1990</b>		<input type="checkbox"/> None
<b>b. Number of other home health discharges in 1990</b>	040	<input type="checkbox"/> None
<b>c. Total number of discharges in 1990</b>	041	Total number
<b>15. Does your home health agency or hospice provide clients with any of the following services?</b>	042	
<b>a. Dietary and nutritional services</b>		1 <input type="checkbox"/> Yes      2 <input type="checkbox"/> No
<b>b. Occupational therapy/vocational therapy</b>	043	1 <input type="checkbox"/> Yes      2 <input type="checkbox"/> No
<b>c. Speech therapy/audiology</b>	044	1 <input type="checkbox"/> Yes      2 <input type="checkbox"/> No
<b>d. Homemaker/companion services</b>	045	1 <input type="checkbox"/> Yes      2 <input type="checkbox"/> No
<b>e. Meals on wheels</b>	046	1 <input type="checkbox"/> Yes      2 <input type="checkbox"/> No
<b>f. Transportation</b>	047	1 <input type="checkbox"/> Yes      2 <input type="checkbox"/> No
<b>g. Enterostomal therapy</b>	048	1 <input type="checkbox"/> Yes      2 <input type="checkbox"/> No
<b>h. Bereavement care</b>	049	1 <input type="checkbox"/> Yes      2 <input type="checkbox"/> No
<b>i. Pastoral care</b>	050	1 <input type="checkbox"/> Yes      2 <input type="checkbox"/> No
<b>j. Counseling (client and family)</b>	051	1 <input type="checkbox"/> Yes      2 <input type="checkbox"/> No
<b>k. Medications</b>	052	1 <input type="checkbox"/> Yes      2 <input type="checkbox"/> No
<b>l. Respite care</b>	053	1 <input type="checkbox"/> Yes      2 <input type="checkbox"/> No
<b>m. High tech care (e.g., IV therapy)</b>	054	1 <input type="checkbox"/> Yes      2 <input type="checkbox"/> No
<b>n. Referral services</b>	055	1 <input type="checkbox"/> Yes      2 <input type="checkbox"/> No
<b>o. Other</b>	056	1 <input type="checkbox"/> Yes – Specify <input checked="" type="checkbox"/> 2 <input type="checkbox"/> No
	057	

**Section B AGENCY INFORMATION – Continued**

**16. How many persons are serving your agency as volunteers?** 058  
 \_\_\_\_\_ Number of volunteers  
 None

**Section C CONFIDENTIAL INFORMATION**

**NOTICE** — Information contained in this section which would permit identification of any individual or establishment is being collected with a guarantee that it will be held in strict confidence by the Bureau of the Census and NCHS and will be used only for statistical purposes.

**NOTE** — The following information is needed to determine who uses these types of agencies and hospices.

**17a. APPROXIMATELY how many of your active hospice and/or home health clients are:** PGM 6 059  
 Enter number of clients for each.

(1) **White?** \_\_\_\_\_ White  None 060

(2) **Black?** \_\_\_\_\_ Black  None 061

(3) **American Indian/Alaskan Native?** \_\_\_\_\_ Amer. Ind./Alaskan  None 062

(4) **Asian/Pacific Islander?** \_\_\_\_\_ Asian/Pacific Islander  None 063

(5) **unknown?** \_\_\_\_\_ unknown  None 064

**b. APPROXIMATELY how many of your active hospice and/or home health clients are:**  
 Enter number of clients for each.

(1) **Hispanic in origin?** \_\_\_\_\_ Hispanic  None 065

(2) **Non-Hispanic?** \_\_\_\_\_ Non-Hispanic  None 066

(3) **unknown?** \_\_\_\_\_ unknown  None 067

**18. Please enter below the number of employees on the payroll who work full-time or part-time in this agency and the number of hours of service provided by contract workers. For each type of part-time employee and for each type of contract service, enter the total number of hours worked in this agency last week or over the last seven days.**

PGM 7	Full-time		Part-time		Contract Service Hours
	Number of full-time staff (35+ hrs/week)	Number of part-time staff (less than 35 hrs/week)	Total number of hours worked over last 7 days by all part-time employees		Total number of hours of service provided last week by other means (e.g. temporary employment services, visiting nurse, or other service contracts)
	(1)	(2)	(3)		(4)
a. Physicians					
b. Registered nurses					
c. Licensed practical or vocational nurses					
d. Nursing aides, students and attendants					
e. Home health aides/ personal care takers					
f. Occupational therapists					
g. Speech pathologists and audiologists					
h. Physical therapists					
i. Social workers					
j. Health educators					
k. Other – Specify $\checkmark$					
067					

Remarks — Please use this space for any explanations that may be essential in understanding your reported data (reference item number and page number).

**Section D RESPONDENT INFORMATION**

Name of respondent \_\_\_\_\_ Title of respondent \_\_\_\_\_ 068

Date completed  
 Month | Day | Year  
 | | |  
 | | |

**THANK YOU FOR YOUR PARTICIPATION IN THIS SURVEY.**

# Appendix III

## Classifications and definitions

### Types of agencies and institutions

*Home Health Agency*—An agency providing health services to individuals in their place of residence for the purpose of (a) promoting, maintaining, or restoring health; or (b) maximizing the level of independence while minimizing the effects of disability and illness (including terminal illness).

*Hospice*—An agency providing specialized services for terminally ill people and their families, including medical services, social and emotional support for patients and families, volunteer support, and bereavement services for families following the death of the patient.

### Characteristics of agencies

*Ownership*—Ownership designates the type of organization that owns the agency. Proprietary indicates control by individual, partnership, or corporation. Nonprofit ownership includes ownership by a religious group or by a nonprofit corporation. Government ownership refers to agencies operated under Federal, State, or local government auspices.

*Certification*—Facility certification by Medicare and/or Medicaid.

*Medicare*—The medical assistance provided in title XVIII of the Social Security Act. Medicare is a health insurance program administered by the Social Security Administration for persons aged 65 years and over and for disabled persons who are eligible for benefits.

*Medicaid*—The medical assistance provided in title XIX of the Social Security Act. Medicaid is a State-administered program for the medically indigent.

*Current clients*—Clients who were reported to be currently on the rolls of the agency at the time of the survey.

*Geographic regions*—The U.S. Bureau of the Census groups the 50 States plus the District of Columbia into the following regions:

<i>Region</i>	<i>States included</i>
Northeast	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont, New Jersey, New York, Pennsylvania
Midwest	Illinois, Indiana, Michigan, Ohio, Wisconsin, Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota
South	Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, West Virginia, Alabama, Kentucky, Mississippi, Tennessee, Arkansas, Louisiana, Oklahoma, Texas
West	Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, Wyoming, Alaska, California, Hawaii, Oregon, Washington