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# Vital and Health Statistics

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## Comparability of the Death Certificate and the 1986 National Mortality Followback Survey

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A comparison of information on demographic items on death certificates with responses obtained in the 1986 National Mortality Followback Survey. This survey included a national sample of person 25 years of age and over who died in 1986.

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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
  - # Figure suppressed to comply with confidentiality requirements
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# Comparability of the death certificate and the 1986 National Mortality Followback Survey

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## Introduction

The death certificate is the primary source of annual mortality data in the United States (See appendix I). The validity of cause-of-death information has been studied extensively (1,2), as has the accuracy of the occupation and industry items (3-16). Less information exists on the quality of the remaining information on the death certificate. Two studies have compared Census Bureau Population Study interview responses with death certificate entries (17-20). In 1986, the National Mortality Followback Survey (NMFS) was conducted by the National Center for Health Statistics (NCHS) to provide a large amount of information, most of which is not available elsewhere, on a

sample of deaths. These data are useful in assessing the reliability of demographic items reported on the death certificate.

The purpose of this report is to assess the comparability of demographic information obtained from responses on the death certificate with data from the 1986 NMFS, which is an independent source using a different method of data collection, for those items common to both sources. Although it is not possible to discern which source of data is valid, the level of agreement sheds light on the quality of these information systems.

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NOTES: The data collection agent for the survey was the Bureau of the Census. Cosponsors of the survey included the Health Care Financing Administration; the National Cancer Institute; the Indian Health Service; the National Heart, Lung, and Blood Institute; the National Institute on Aging; the National Institute of Child Health and Human Development; the National Institute of Mental Health; the Veterans Administration; and the Office of the Assistant Secretary for Planning and Evaluation in the Office of the Secretary of the Department of Health and Human Services.

This report was prepared in the Division of Vital Statistics of the National Center for Health Statistics. Isadore Seeman, formerly with the Office of Vital and Health Statistics Systems, provided overall project direction; Steven Botman, Office of Research and Methodology, provided guidance in the design of the sampling procedure; Ruth Parsons, Information Management Services, provided guidance on computer programming; Betty Smith, Statistical Resources Branch, Division of Vital Statistics, provided content review. This report was edited by Margaret Avery and typeset by Annette F. Gaidurgis, Publications Branch, Division of Data Services.

# Sources and limitations of data

The data presented in this report are based on the 1986 NMFS conducted by the National Center for Health Statistics and on the death certificates filed with State registrars of vital statistics and compiled by NCHS. The 1986 NMFS comprised a nationally representative sample of adults aged 25 years or over who died in 1986. Oregon was not included in the survey because of the State's respondent-consent requirements. The data are, therefore, representative of deaths of adult residents in the United States excluding Oregon. A detailed description of the methods and procedures used in the NMFS has been published (21).

The universe for the 1986 NMFS was composed of all death certificates of decedents 25 years of age or older filed in the United States. The sampling frame consisted of death certificates selected from the 1986 Current Mortality Sample (CMS). The CMS is a 10-percent systematic sample of death certificates received by the State vital statistics offices and transmitted to NCHS about 3 months after the deaths. CMS records were selected for each month of the year. The total sample was 18,733 decedents. This sample included 2,274 deaths selected with certainty (at a sampling rate of 100 percent within the CMS) to meet specific research needs. The groups for which all deaths in the CMS were selected included American Indian, Eskimo, and Aleut decedents; all deaths due to Asthma; deaths due to Ischemic heart disease for males 25–44 years of age and females 25–54 years of age; and deaths for selected cancer sites. Black decedents were oversampled 2.9 times, and decedents under age 55 were oversampled 3.1 times.

The data presented in this report are not weighted. They reflect what actually occurred in the sample rather than estimates of the degree of comparability from an examination of all death certificates for U.S. residents 25 years of age and older dying in 1986.

It is possible, if desired, to prepare weighted estimates of consistency because the public-use data tape contains a weight for each record (22). Because of the oversampling of some groups that generally had slightly lower agreement rates, weighted estimates would have produced slightly higher overall rates of agreement. In the tables, an asterisk is shown for estimates of percents in which there are fewer than 30 cases in the denominator, because these

figures do not meet standards of reliability or precision.

An NMFS questionnaire was mailed to the death certificate informant, usually the decedent's next of kin or another person familiar with the decedent. A followup questionnaire was mailed for nonresponding cases. Telephone and personal interviews were attempted for cases where there was no mail response.

Following data collection, the questionnaire data and the CMS information were matched to the Multiple Cause of Death File. The primary matching criterion was that State of occurrence and death certificate number were identical; the secondary criterion was that demographic items such as sex, date of death, age, race, and underlying cause of death matched. The primary criterion could not be applied to Nebraska, Nevada, or New Mexico, because these States renumber the death certificates. Therefore, it is likely that for these three States there were some cases in which an incorrect Multiple Cause of Death File death certificate was matched to the questionnaire. Because inclusion of these States increases the likelihood that differences in data from the certificate and the questionnaire may be due to matching errors, they are excluded from this report. The total number of cases excluded because they were from Nevada, New Mexico, and Nebraska is 285.

The overall response rate for the survey was 88.6 percent. In addition, there was item nonresponse for both the death certificate and the questionnaire. Also, not all States collect, code, and report all variables. Table A shows, for each variable included in this report, the States that report that variable. For each variable included in this report, table B shows:

- the number of sample cases for the reporting States
- the death certificate item completion rate
- the number of questionnaires completed
- the questionnaire item response rate
- the questionnaire effective item response rate (the percent of cases in the reporting States for which there was a questionnaire entry for the item)
- the effective item response rate for both the questionnaire and death certificate (the percent of all cases in the reporting States that have a response for the item for both the death certificate and the questionnaire)

**Table A. Registration areas reporting age, race, Hispanic origin, marital status, occupation, industry, place of death, and veteran status on the death certificate: United States, 1986**

Area <sup>1</sup>	Age	Race	Hispanic origin	Marital status	Occupation	Industry	Place of death	Veteran status
Alabama . . . . .	X	X		X				
Alaska . . . . .	X	X		X			X	X
Arizona . . . . .	X	X	X	X			X	X
Arkansas . . . . .	X	X	X	X			X	X
California . . . . .	X	X	X	X				
Colorado . . . . .	X	X	X	X	X	X	X	X
Connecticut . . . . .	X	X		X			X	X
Delaware . . . . .	X	X		X				X
District of Columbia . . . . .	X	X		X				X
Florida . . . . .	X	X		X			X	
Georgia . . . . .	X	X	X	X	X	X	X	X
Hawaii . . . . .	X	X	X	X			X	X
Idaho . . . . .	X	X		X			X	X
Illinois . . . . .	X	X	X	X			X	X
Indiana . . . . .	X	X	X	X	X	X	X	X
Iowa . . . . .	X	X		X			X	X
Kansas . . . . .	X	X	X	X	X	X	X	X
Kentucky . . . . .	X	X		X	X	X	X	
Louisiana . . . . .	X	X		X			X	X
Maine . . . . .	X	X		X	X	X	X	X
Maryland . . . . .	X	X		X				X
Massachusetts . . . . .	X	X		X				X
Michigan . . . . .	X	X		X			X	X
Minnesota . . . . .	X	X		X				X
Mississippi . . . . .	X	X	X	X			X	X
Missouri . . . . .	X	X		X	X	X	X	X
Montana . . . . .	X	X		X			X	X
New Hampshire . . . . .	X	X		X	X	X	X	X
New Jersey . . . . .	X	X	X	X			X	
New York . . . . .	X	X	X	X			X	
North Carolina . . . . .	X	X		X			X	X
North Dakota . . . . .	X	X		X			X	X
Ohio . . . . .	X	X	X	X	X	X	X	X
Oklahoma . . . . .	X	X		X	X	X		
Pennsylvania . . . . .	X	X		X			X	X
Rhode Island . . . . .	X	X		X	X	X	X	X
South Carolina . . . . .	X	X		X	X	X	X	X
South Dakota . . . . .	X	X		X			X	
Tennessee . . . . .	X	X		X	X	X	X	X
Texas . . . . .	X	X	X	X			X	X
Utah . . . . .	X	X	X	X	X	X	X	X
Vermont . . . . .	X	X		X	X	X	X	X
Virginia . . . . .	X	X		X			X	X
Washington . . . . .	X	X		X			X	X
West Virginia . . . . .	X	X		X			X	X
Wisconsin . . . . .	X	X		X	X	X	X	X
Wyoming . . . . .	X	X	X	X			X	X

<sup>1</sup>Oregon, Nebraska, Nevada, and New Mexico were excluded from the comparability analysis in this report because Oregon's confidentiality requirements precluded its participation in the 1986 National Mortality Followback Survey, and the primary matching criteria could not be applied for the other three States because they reissue death certificate numbers after the processing of the Current Mortality Sample.

The effective response rate for both the questionnaire and the death certificate was between 82.3 and 86.6 percent for all items except veteran status, which was 75.7.

For all variables in this report, with the exception of veteran status, the responses from the Multiple Cause of Death File are compared with those from the questionnaire. Because veteran status is not included in the Multiple Cause of Death File, this variable was taken from the CMS.

In presenting the percents of responses agreeing in tables C–J, the percents are based on the number of cases

in which there is a response to both the questionnaire and the death certificate. Cases in which entries for an item are blank, illegible, or otherwise unusable for either the questionnaire or the death certificate are excluded from both the numerator and denominator of the percents.

In comparing the two data sources, information from death certificates was used as the denominator. That is, agreement levels reflect the degree to which next-of-kin information on the questionnaire matches that from the death certificate. Percent agreements shown are based on the groupings shown. For example, where percent



**Table B. Number of death certificates and completed National Mortality Followback Survey questionnaires for reporting States and response rates by selected variables: United States, 1986**

Variable	Death certificate		Completed questionnaire			Questionnaire and certificate
	Total	Item completion <sup>1</sup>	Total	Item response <sup>2</sup>	Effective item response <sup>3</sup>	Effective item response <sup>4</sup>
	Number	Percent	Number	Percent	Percent	Percent
Age . . . . .	18,448	99.8	16,339	97.9	86.7	86.5
Race . . . . .	18,448	<sup>5</sup> 99.9	16,339	97.9	86.7	86.6
Hispanic origin . . . . .	8,356	98.0	7,568	94.1	85.2	83.7
Marital status . . . . .	18,448	99.3	16,339	97.6	86.5	86.0
Occupation . . . . .	4,525	96.3	4,177	95.1	87.8	84.7
Industry . . . . .	4,525	96.3	4,177	92.4	85.3	82.3
Place of death . . . . .	13,580	99.8	11,895	98.1	85.9	85.7
Veteran status . . . . .	14,050	87.9	12,422	96.6	85.4	75.7

NOTES: Oregon, Nebraska, Nevada, and New Mexico were excluded from the comparability analysis in this report because Oregon's confidentiality requirements precluded its participation in the 1986 National Mortality Followback Survey, and the primary matching criteria could not be applied for the other three States because they reissue death certificate numbers after the processing of the Current Mortality Sample.

The denominators of these rates exclude the number of cases in those States that did not code or collect this information on the death certificate. See table A for specific States.

<sup>1</sup>Cases for which a final death certificate was not matched were classified as nonresponses.

<sup>2</sup>Percent of filled questionnaires in the reporting States for which there was a substantive questionnaire entry for the item.

<sup>3</sup>Percent of all cases in the reporting States for which there was a substantive questionnaire entry for the item.

<sup>4</sup>Percent of all cases in the reporting States for which there was a substantive response for the item for both the death certificate and the questionnaire.

<sup>5</sup>For 1986, the number of death certificates for which race was unknown, not stated, or not classifiable was 0.2 percent of the total deaths (for all States and registration areas). Death certificates with race entry not stated are assigned to a racial designation as follows: If the preceding record is coded "white," the code assignment is "white"; if the code is "other than white," the assignment is "black."

agreement is shown for the 25–29-year age group, this means the number of cases in which the age on both the death certificate and the questionnaire is in the range 25–29 divided by the number of cases in which the age on the death certificate is in the range 25–29. Similarly, where the percent agreement is shown for an occupation or industry category such as "managerial and professional," this percent is for the group as shown—not for less aggregated levels.

Sources of error for both the death certificate and questionnaire include reporting errors, coding errors, and processing errors. Except for occupation and industry, conceptually the variables are the same for both sources. The death certificate asked for the "usual" occupation and industry, and the questionnaire requested information on longest held occupation and industry in which the decedent worked for pay. "Usual occupation" on the death certificate is defined as the kind of work the decedent did during most of his or her working life. In addition, the place-of-death variables differ somewhat between the two sources. For the questionnaire, the respondent was simply asked, "Where did the person die?" For the death certificate, the place of death variable is

based on the location of death, which may be at a hospital, en route to or on arrival at a hospital, or at some other place. If a hospital was cited, a distinction is made among decedents pronounced dead in the hospital or other institution, those dead on arrival, outpatients or emergency room patients, and inpatients.

With respect to age, Hispanic origin, marital status, occupation, industry, and veteran status, coding instructions are essentially the same for both sources. Occupation and industry were coded according to standard occupation and industry codes (23). There were differences in coding race: On the death certificate, entries such as "Mexican," "Cuban," and "other Hispanic" were coded as "white"; on the questionnaire, such entries were coded as "other." Moreover, responses that were not exactly one of the four major races were classified by coders in most cases as one of the four major races on the death certificate, whereas they were left as "other" on the questionnaire.

Copies of the U.S. Standard Death Certificate, the instructions for completing the certificate, and the respondent questionnaire items are included in this report as appendixes.

# Findings

## Age

There was only 77.5-percent agreement on exact age of decedent (table C). The agreement was highest for decedents 25–29 years of age (85.9 percent) as reported on the death certificate, and lowest for decedents 70–79 years of age (74.0 percent).

There was a strong relationship between percent agreeing on exact age in number of years and the interval

between the death and the survey: There was 85.5-percent agreement for the shortest interval of 22–25 weeks, and only 67.0-percent agreement for the interval of 52 or more weeks. This relationship was observed for most 10-year age groups.

There was greater agreement in age for white decedents (81.6 percent) than for black (67.1 percent) or American Indian, Eskimo, and Aleut (70.8 percent) decedents. There was greater agreement for white decedents for each

**Table C. Percent of informant questionnaires in agreement with corresponding death certificate with regard to age, by age of decedent on death certificate and by race on survey questionnaire, interval between death and survey, and relationship of informant to decedent: National Mortality Followback Survey, 1986**

Case characteristics	Age of decedent on certificate								
	25 years and over	25–29 years	30–39 years	40–49 years	50–59 years	60–69 years	70–79 years	80–89 years	90 years and over
All cases . . . . .	77.5	85.9	81.0	81.0	77.5	77.2	74.0	75.4	78.2
Race									
White . . . . .	81.6	87.7	83.6	83.6	81.9	83.4	78.7	79.2	82.1
Black . . . . .	67.1	80.9	75.1	73.6	67.7	66.5	62.5	62.4	64.9
American Indian . . . . .	70.8	*76.2	68.2	69.8	73.8	67.7	72.0	75.4	*59.3
Interval between death and survey									
22–25 weeks . . . . .	85.5	74.4	87.4	93.7	90.5	88.0	84.4	81.5	82.4
26–29 weeks . . . . .	84.2	95.2	87.2	86.2	84.6	83.4	82.9	81.7	85.1
30–32 weeks . . . . .	85.0	96.6	84.3	89.8	89.4	85.5	81.0	83.6	83.7
33–35 weeks . . . . .	81.0	89.6	85.6	83.5	79.1	82.7	75.4	80.9	81.8
36–38 weeks . . . . .	75.4	87.8	80.5	84.0	76.4	73.8	71.5	70.3	74.2
39–41 weeks . . . . .	73.9	84.5	76.6	78.0	75.4	72.4	67.7	72.5	76.7
42–44 weeks . . . . .	70.5	79.5	80.0	71.8	72.6	68.9	64.9	67.6	71.0
45–47 weeks . . . . .	70.5	82.5	77.8	74.8	67.1	64.4	66.4	70.9	67.2
48–51 weeks . . . . .	69.5	81.8	74.3	71.3	61.5	68.6	68.1	68.8	69.6
52 weeks or longer . . . . .	67.0	80.9	72.1	68.6	68.0	70.1	65.0	56.7	62.5
Relationship									
Decedent was death certificate informant's—									
Spouse . . . . .	83.0	86.2	84.9	85.9	83.2	83.7	81.1	79.1	80.0
Parent . . . . .	82.9	87.7	81.5	79.8	74.6	*95.2	*91.7	*85.7	*83.3
Child . . . . .	73.1	*100.0	*65.0	75.6	65.2	69.9	69.2	77.4	78.0
Sibling . . . . .	66.3	75.0	73.3	61.9	55.4	72.5	59.2	66.7	*90.9
Other relative . . . . .	61.1	*50.0	53.3	*61.1	*72.2	68.3	57.1	59.9	66.3
Nonrelative . . . . .	74.1	*84.6	71.0	73.8	76.2	84.4	72.5	65.4	81.3
Death certificate informant and survey respondent were—									
Both decedent's spouse . . . . .	84.8	90.5	87.8	88.3	84.6	85.7	82.1	80.4	82.7
Not both decedent's spouse . . . . .	73.7	85.0	77.6	74.9	70.5	70.3	68.8	74.2	77.9

NOTE: Oregon, Nebraska, Nevada, and New Mexico were excluded from the comparability analysis in this report because Oregon's confidentiality requirements precluded its participation in the 1986 National Mortality Followback Survey, and the primary matching criteria could not be applied for the other three States because they reissue death certificate numbers after the processing of the Current Mortality Sample.

10-year age group than for any other racial group. (Hereafter in this report the category "American Indian, Eskimo, and Aleut" will be referred to as "American Indian.")

There was greater agreement (83.0 percent for all decedents) when the death certificate informant was the spouse, as compared with other relatives or nonrelatives. When the decedent's spouse was both the death certificate informant and the respondent to the questionnaire, the agreement was far higher (84.8 percent) than when this was not the case (73.7 percent). This greater correspondence was observed for all 10-year decedent age groups examined.

For 92.7 percent of the cases, the age was either the same or only 1 year different on the death certificate and questionnaire (data not shown). There was a slight tendency for the questionnaire age response to be older than the age on the death certificate. For 10.2 percent of the cases, the age was 1 year older on the questionnaire. For

5.0 percent of the cases, the age was 1 year younger on the questionnaire. Within 2 years there was 95.7-percent agreement, and within 5 years there was 98.2-percent agreement on decedent's age.

Mortality data are commonly tabulated by 5-year age groups for analytic purposes. An error of 1 year on the death certificate would result in a difference in the tabulations only when the correct age fell within another age interval. For 5-year age groups, there was 93.4-percent agreement (table 1). When the death certificate informant was the spouse, the agreement was 95.3 percent for 5-year age groups. When both the death certificate informant and the questionnaire respondent were the spouse, the agreement for 5-year age groups was 96.0 percent.

## Race

Overall, there was a high level of agreement (97.9 percent) on race between the death certificate and the ques-

**Table D. Percent of informant questionnaires in agreement with corresponding death certificate with regard to race, by race of decedent on death certificate and by age at death, interval between death and survey, and relationship of informant to decedent: National Mortality Followback Survey, 1986**

Case characteristics	Race of decedent on certificate			
	All races	White	Black	American Indian
All cases . . . . .	97.9	98.2	98.0	92.9
Age				
Under 30 . . . . .	96.5	96.8	96.2	*90.5
30-39 years . . . . .	96.7	96.7	97.5	95.7
40-49 years . . . . .	97.3	97.3	98.5	91.3
50-59 years . . . . .	97.7	98.1	98.5	88.9
60-69 years . . . . .	98.3	98.6	98.2	95.4
70-79 years . . . . .	98.3	98.7	98.1	92.9
80-89 years . . . . .	98.5	98.8	98.4	92.5
90 years and over . . . . .	98.3	98.8	97.0	*96.4
Interval between death and survey				
22-25 weeks . . . . .	99.1	99.0	99.2	*100.0
26-29 weeks . . . . .	98.7	99.0	98.8	95.0
30-32 weeks . . . . .	98.8	99.2	98.3	89.5
33-35 weeks . . . . .	98.0	98.5	97.7	91.7
36-38 weeks . . . . .	97.7	98.2	97.5	91.5
39-41 weeks . . . . .	97.8	97.5	98.9	96.8
42-44 weeks . . . . .	96.7	96.7	96.8	95.3
45-47 weeks . . . . .	96.5	96.7	97.4	*80.8
48-51 weeks . . . . .	96.9	97.3	98.1	*86.2
52 weeks or longer . . . . .	97.9	98.0	98.8	*100.0
Relationship				
Decedent was death certificate informant's—				
Spouse . . . . .	98.2	98.6	98.1	91.1
Parent . . . . .	97.4	97.0	98.5	*96.4
Child . . . . .	98.0	98.1	98.4	96.2
Sibling . . . . .	96.2	96.3	96.8	*88.5
Other relative . . . . .	97.9	98.6	97.7	*90.9
Nonrelative . . . . .	96.6	97.1	98.9	*86.7
Death certificate informant and survey respondent were—				
Both decedent's spouse . . . . .	98.4	98.7	98.2	90.4
Not both decedent's spouse . . . . .	97.7	97.9	98.2	93.3

NOTE: Oregon, Nebraska, Nevada, and New Mexico were excluded from the comparability analysis in this report because Oregon's confidentiality requirements precluded its participation in the 1986 National Mortality Followback Survey, and the primary matching criteria could not be applied for the other three States because they reissue death certificate numbers after the processing of the Current Mortality Sample.

tionnaire (table D). However, for those reported to be American Indian on the death certificate, the level of agreement was lower (92.9 percent). Of the 7.1 percent of cases reported as American Indian on the death certificate but as another race on the questionnaire, most (80.0 percent) were identified as being white in the questionnaire (table 2).

Unweighted data indicate that there were 92 more (21.8 percent more) American Indian decedents reported in the questionnaire than on the death certificate. Of the 122 cases identified as American Indian in the questionnaire but not as American Indian on the death certificate, 70.5 percent were identified on the death certificate as white, and 27.9 percent as black.

The increased reporting of American Indian on the questionnaire occurred for all of the intervals between death and survey and for all relationships examined between the death certificate informant and the decedent. Even when both the informant and the questionnaire respondent were the decedent's spouse, 21.3 percent more American Indian decedents were reported in the questionnaire than on the death certificate.

## Hispanic origin

There was 98.9-percent overall consistency in reporting Hispanic origin between the death certificate and the questionnaire (table E). A high level of consistency was observed for both Hispanic origin (97.1 percent) and non-Hispanic origin (99.0), as well as for all races, intervals between death and survey, and relationships between informant and decedent examined.

Of the 1.1 percent of cases in which there was disagreement, 88.5 percent were cases in which the origin on the death certificate was non-Hispanic and the origin in the questionnaire was Hispanic (table 3). This resulted in 19.6 percent more Hispanic decedents being reported in the survey, based on unweighted data. Higher reporting of Hispanic decedents in the questionnaire occurred for all races, intervals, and relationships of informant to decedent examined. When both the death certificate informant and the questionnaire respondent were the decedent's spouse, there were 11.8 percent more Hispanic decedents reported in the questionnaire.

**Table E. Percent of informant questionnaires in agreement with corresponding death certificate with regard to Hispanic origin, by Hispanic origin of decedent on death certificate and by race on survey questionnaire, interval between death and survey, and relationship of informant to decedent: National Mortality Followback Survey, 1986**

Case characteristics	Hispanic origin of decedent on certificate		
	All origins	Hispanic origin	Non-Hispanic origin
All cases . . . . .	98.9	97.1	99.0
Race			
White . . . . .	99.0	97.7	99.1
Black . . . . .	99.4	*100.0	99.4
American Indian . . . . .	94.3	*100.0	94.3
Interval between death and survey			
22-25 weeks . . . . .	98.8	*90.9	99.0
26-29 weeks . . . . .	99.3	100.0	99.3
30-32 weeks . . . . .	99.1	*100.0	99.1
33-35 weeks . . . . .	99.6	*96.6	99.7
36-38 weeks . . . . .	99.0	94.4	99.2
39-41 weeks . . . . .	98.7	100.0	98.6
42-44 weeks . . . . .	98.9	95.1	99.1
45-47 weeks . . . . .	98.3	*100.0	98.2
48-51 weeks . . . . .	97.4	*91.7	97.8
52 weeks or longer . . . . .	98.6	97.7	98.7
Relationship			
Decedent was death certificate informant's—			
Spouse . . . . .	99.2	97.3	99.2
Parent . . . . .	98.5	100.0	98.4
Child . . . . .	98.8	100.0	98.8
Sibling . . . . .	98.2	*96.4	98.4
Other relative . . . . .	99.3	*100.0	99.3
Nonrelative . . . . .	98.2	*94.4	98.4
Death certificate informant and survey respondent were—			
Both decedent's spouse . . . . .	99.4	97.6	99.4
Not both decedent's spouse . . . . .	98.7	96.6	98.8

NOTES: Oregon, Nebraska, Nevada, and New Mexico were excluded from the comparability analysis in this report because Oregon's confidentiality requirements precluded its participation in the 1986 National Mortality Followback Survey, and the primary matching criteria could not be applied for the other three States because they reissue death certificate numbers after the processing of the Current Mortality Sample.

**Table F. Percent of informant questionnaires in agreement with corresponding death certificate with regard to marital status, by marital status of decedent on death certificate and by race on survey questionnaire, interval between death and survey, and relationship of informant to decedent: National Mortality Followback Survey, 1986**

Case characteristics	Marital status of decedent on certificate				
	All marital statuses	Married	Widowed	Divorced	Never married
All cases . . . . .	95.0	98.4	93.1	87.1	92.9
Race					
White . . . . .	96.6	99.0	95.6	90.7	94.0
Black . . . . .	90.6	96.4	87.3	76.6	91.1
American Indian . . . . .	92.9	98.2	92.5	83.0	87.7
Interval between death and survey					
22-25 weeks . . . . .	96.1	99.1	94.1	88.8	94.3
26-29 weeks . . . . .	97.2	99.4	95.6	92.2	96.1
30-32 weeks . . . . .	96.1	99.1	92.9	90.6	96.7
33-35 weeks . . . . .	96.5	99.3	94.2	89.7	95.8
36-38 weeks . . . . .	94.5	97.9	92.1	89.2	91.5
39-41 weeks . . . . .	93.7	97.3	92.4	89.2	87.8
42-44 weeks . . . . .	93.0	97.0	91.3	82.8	92.5
45-47 weeks . . . . .	92.6	97.0	92.3	80.7	89.0
48-51 weeks . . . . .	92.8	98.4	90.9	79.2	89.7
52 weeks or longer . . . . .	94.0	98.6	93.3	77.4	93.0
Relationship					
Decedent was death certificate informant's—					
Spouse . . . . .	99.3	99.4	...	*87.5	...
Parent . . . . .	92.1	93.9	80.7	87.9	94.8
Child . . . . .	93.6	95.6	95.6	84.6	78.9
Sibling . . . . .	91.8	89.6	86.0	93.3	94.7
Other relative . . . . .	90.4	93.9	92.0	83.3	88.0
Nonrelative . . . . .	88.0	93.2	86.2	84.3	89.2
Death certificate informant and survey respondent were—					
Both decedent's spouse . . . . .	99.6	99.7	...	*50.0	...
Not both decedent's spouse . . . . .	92.6	94.8	93.2	87.4	93.1

NOTE: Oregon, Nebraska, Nevada, and New Mexico were excluded from the comparability analysis in this report because Oregon's confidentiality requirements precluded its participation in the 1986 National Mortality Followback Survey, and the primary matching criteria could not be applied for the other three States because they reissue death certificate numbers after the processing of the Current Mortality Sample.

## Marital status

There was also a high level of consistency of reporting between the death certificate and the questionnaire on marital status of the decedent (95.0 percent) (table F). There was agreement in 98.4 percent of the cases for "married" marital status, but only 87.1 percent agreement for "divorced" marital status.

The agreement on marital status was 96.6 percent for white decedents, 90.6 percent for black decedents, and 92.9 percent for American Indian decedents. There was a slight decline in agreement on marital status as the interval between death and survey increased.

There was almost total agreement (99.3 percent) when the death certificate informant was the decedent's spouse. When the decedent's spouse was both the death certificate informant and the questionnaire respondent, the agreement rate was 99.6 percent. When this was not the case, the agreement rate was 92.6 percent.

Among the inconsistent cases, 12.9 percent had "divorced" reported on the death certificate. Of these 207

cases, 124 cases (59.9 percent) reported questionnaire marital status as "married," 52 cases (25.1 percent) "widowed," and 31 cases (15.0 percent) "never married" (table 4).

## Occupation

The overall percent agreement for occupation based on the major occupation groups shown was only 71.0 percent (table G). As reported on the death certificate, the rate was lowest for managerial and professional occupations (57.6 percent) and highest for farming occupations (81.9 percent). The consistency of reporting was not appreciably affected by race of decedent, interval between death and survey, or relationship of informant to decedent.

For all occupational categories except managerial and professional, the percent of decedents in the category was about the same or higher for the questionnaire than for the death certificate. Based on unweighted data, comparisons showed 6.1 percent more technical, sales, and administrative; 1.3 percent more service; 16.3 percent more

**Table G. Percent of informant questionnaires in agreement with corresponding death certificate with regard to occupation, by occupation of decedent on death certificate and by race on survey questionnaire, interval between death and survey, and relationship of informant to decedent: National Mortality Followback Survey, 1986**

Case characteristics	Occupation of decedent on certificate							
	All occupations	Managerial and professional	Technical, sales, and administrative	Service	Farming	Precision production, craft, and repair	Operators, fabricators, and laborers	Armed Forces
All cases . . . . .	71.0	57.6	71.0	75.8	81.9	69.5	74.2	69.4
Race								
White . . . . .	70.4	57.4	72.0	69.3	82.5	70.2	76.7	73.3
Black . . . . .	73.6	61.3	69.4	82.6	79.7	68.8	70.4	*40.0
American Indian . . . . .	65.6	*62.5	*28.6	*71.4	*88.9	*60.0	*69.6	*-
Interval between death and survey								
22-25 weeks . . . . .	69.6	55.6	65.6	*73.9	*87.5	66.7	75.5	*75.0
26-29 weeks . . . . .	72.5	57.1	76.6	76.1	76.3	61.2	81.1	*85.7
30-32 weeks . . . . .	66.8	56.8	61.1	65.1	90.6	71.7	67.0	*80.0
33-35 weeks . . . . .	73.9	60.5	75.6	70.5	*79.3	79.4	80.6	*100.0
36-38 weeks . . . . .	70.4	51.9	81.7	84.6	73.7	66.7	67.3	*66.7
39-41 weeks . . . . .	67.8	53.5	68.3	72.2	*95.2	65.8	68.1	*42.9
42-44 weeks . . . . .	77.3	71.0	69.8	81.1	*81.0	87.1	77.6	*66.7
45-47 weeks . . . . .	70.7	*53.6	*57.1	*75.0	*91.7	*79.3	74.5	*50.0
48-51 weeks . . . . .	70.0	*54.5	*53.8	*94.4	*100.0	*30.0	76.9	*100.0
52 weeks or longer . . . . .	60.0	*100.0	*60.0	*83.3	*33.3	*50.0	*55.6	*-
Relationship								
Decedent was death certificate informant's—								
Spouse . . . . .	69.6	57.9	67.0	69.3	83.0	68.0	75.4	*90.0
Parent . . . . .	67.0	43.3	*66.7	*69.0	*69.2	68.8	75.9	*-
Child . . . . .	67.3	*57.1	75.0	69.4	*85.7	*47.1	69.7	*25.0
Sibling . . . . .	71.8	*62.5	*62.5	*78.9	*42.9	*83.3	*75.0	*-
Other relative . . . . .	81.1	*66.7	*88.9	*100.0	*90.0	*66.7	*66.7	*100.0
Nonrelative . . . . .	*65.5	*25.0	*80.0	*100.0	*-	*50.0	*77.8	*100.0
Death certificate informant and survey respondent were—								
Both decedent's spouse . . . . .	69.7	58.2	66.9	67.0	83.8	67.4	76.8	*89.5
Not both decedent's spouse . . . . .	72.0	56.2	73.5	79.5	81.6	71.7	73.0	*53.3

NOTES: Oregon, Nebraska, Nevada, and New Mexico were excluded from the comparability analysis in this report because Oregon's confidentiality requirements precluded its participation in the 1986 National Mortality Followback Survey, and the primary matching criteria could not be applied for the other three States because they reissue death certificate numbers after the processing of the Current Mortality Sample.

farming; 5.2 percent more production, craft, and repair; 1.1 percent more operators, fabricators, and laborers; and 80.6 percent more members of the Armed Forces on the questionnaire than on the death certificate (table 5). However, there were 26.8 percent fewer decedents recorded as "managerial and professional" on the questionnaire. When the decedent's spouse was both the death certificate informant and the questionnaire respondent, there were 23.6 percent fewer decedents recorded as "managerial and professional" on the questionnaire.

## Industry

The rate of agreement between the death certificate and the questionnaire based on the major groupings shown was about the same for industry (74.4 percent) as for occupation (table H). The agreement rate was highest

for the mining industry (79.5 percent) and lowest for the public administration industry (62.3 percent). There was no essential difference in consistency of reporting by race of decedent or by whether the spouse of the decedent was both the death certificate informant and the questionnaire respondent. The number of sample cases is too small to assess differences across intervals between death and survey, or by relationship of informant to decedent (table 6).

In spite of the overall relatively low level of agreement between the questionnaire and the death certificate on industry, the marginal distributions of industries for the questionnaire and death certificate were very similar (table 6).

## Veteran status

The agreement between the death certificate and the questionnaire on veteran status was high (96.7 percent)

**Table H. Percent of informant questionnaires in agreement with corresponding death certificate with regard to industry, by industry of decedent on death certificate and by race on survey questionnaire, interval between death and survey, and relationship of informant to decedent: National Mortality Followback Survey, 1986**

Case characteristics	Industry of decedent on certificate										
	All industries	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing	Transportation, communications, and other public utilities	Trade	Finance, insurance, and real estate	Services	Public administration	Armed Forces
All cases . . . . .	74.4	78.4	79.5	74.3	77.0	75.2	69.6	73.6	75.0	62.3	68.4
Race											
White . . . . .	74.3	77.1	78.0	78.7	77.1	76.4	70.5	77.1	71.1	64.9	68.8
Black . . . . .	75.2	80.7	*100.0	64.1	76.2	71.7	65.6	*57.1	82.7	*61.5	*60.0
American Indian . . . . .	72.6	*87.5	*100.0	*66.7	*85.7	*66.7	*75.0	*50.0	*75.0	*33.3	*--
Interval between death and survey											
22-25 weeks . . . . .	75.6	*86.4	*100.0	*80.0	75.0	*78.3	*69.0	*75.0	69.6	*66.7	*100.0
26-29 weeks . . . . .	77.7	75.7	*57.1	66.7	83.3	73.9	69.1	*83.3	81.7	*79.2	*83.3
30-32 weeks . . . . .	75.3	86.7	*75.0	*72.4	78.0	*74.1	77.1	*76.9	72.0	*58.8	*66.7
33-35 weeks . . . . .	75.1	*77.8	*88.9	83.8	82.4	75.0	65.2	*76.9	69.4	*60.0	*100.0
36-38 weeks . . . . .	70.8	68.4	*87.5	62.5	73.6	79.4	67.6	*84.6	70.6	*52.9	*50.0
39-41 weeks . . . . .	73.4	*89.5	*40.0	*80.8	74.6	*68.4	77.1	*60.0	72.1	*73.3	*42.9
42-44 weeks . . . . .	70.7	*77.3	*100.0	*79.3	62.7	*64.3	65.8	*63.6	76.8	*64.3	*66.7
45-47 weeks . . . . .	74.9	*91.7	*100.0	*94.4	70.3	*83.3	*52.4	*50.0	84.6	*40.0	*50.0
48-51 weeks . . . . .	76.6	*100.0	*--	*50.0	80.0	*66.7	*71.4	*80.0	90.3	*25.0	*100.0
52 weeks or longer . . . . .	68.3	*28.6	*--	*40.0	*75.0	*100.0	*100.0	*--	*81.8	*--	*--
Relationship											
Decedent was death certificate informant's—											
Spouse . . . . .	75.2	77.7	*70.8	77.9	76.8	77.8	68.5	82.4	74.4	65.4	*89.5
Parent . . . . .	66.3	*70.0	*50.0	*70.4	72.2	*66.7	*59.3	*60.0	64.4	*60.0	*33.3
Child . . . . .	77.3	*90.0	*100.0	*66.7	83.3	*75.0	*77.8	*60.0	75.5	*62.5	*50.0
Sibling . . . . .	75.6	*42.9	*100.0	*83.3	*75.0	*71.4	*62.5	*100.0	*83.3	*100.0	*--
Other relative . . . . .	80.0	*88.9	*100.0	*50.0	*75.0	*60.0	*77.8	*100.0	*85.7	*--	*100.0
Nonrelative . . . . .	81.5	*--	*--	*50.0	*83.3	*100.0	*100.0	*100.0	*75.0	*100.0	*100.0
Death certificate informant and survey respondent were—											
Both decedent's spouse . . . . .	75.4	77.5	*71.4	77.6	78.4	78.6	66.4	84.4	72.3	67.6	*88.9
Not both decedent's spouse . . . . .	74.0	79.7	*85.0	72.1	75.8	73.0	71.7	61.5	76.4	51.9	*58.8

NOTE: Oregon, Nebraska, Nevada, and New Mexico were excluded from the comparability analysis in this report because Oregon's confidentiality requirements precluded its participation in the 1986 National Mortality Followback Survey, and the primary matching criteria could not be applied for the other three States because they reissue death certificate numbers after the processing of the Current Mortality Sample.

(table J). However, the rate of agreement for nonveterans was higher than for veterans (98.3 percent versus 90.7 percent). There was no essential difference in the rate of agreement by race of decedent, interval between death and survey, relationship of death certificate informant to decedent, or whether the spouse was both the death certificate informant and the questionnaire respondent.

The percent reported as veteran was about the same for both the death certificate and the questionnaire (20.5 percent and 19.9 percent, respectively) (table 7). Of the 349 cases in disagreement on veteran status, 202 (57.9 percent) classified the decedent as a veteran on the death certificate but as a nonveteran in the questionnaire,

and 147 (42.1 percent) classified the decedent as a nonveteran on the death certificate but as a veteran on the questionnaire.

### Place of death

The consistency rate for hospital deaths (including inpatient, outpatient, and emergency room patient) was 88.3 percent (table K). Among those with "hospital inpatient" reported on the death certificate as place of death, questionnaire responses reported approximately 87 percent died in the hospital excluding the emergency room, and 8.5 percent died in the hospital emergency

**Table J. Percent of informant questionnaires in agreement with corresponding death certificate with regard to veteran status, by veteran status of decedent on death certificate and by race on survey questionnaire, interval between death and survey, and relationship of informant to decedent: National Mortality Followback Survey, 1986**

Case characteristics	Veteran status of decedent on certificate		
	Both statuses	Veteran	Nonveteran
All cases . . . . .	96.7	90.7	98.3
Race			
White . . . . .	96.6	91.2	98.1
Black . . . . .	97.1	90.0	98.5
American Indian . . . . .	96.9	84.6	99.1
Interval between death and survey			
22-25 weeks . . . . .	97.8	94.8	98.8
26-29 weeks . . . . .	96.3	90.5	97.8
30-32 weeks . . . . .	97.0	91.1	98.6
33-35 weeks . . . . .	96.2	88.4	98.3
36-38 weeks . . . . .	96.4	92.2	97.4
39-41 weeks . . . . .	96.8	86.3	99.6
42-44 weeks . . . . .	97.2	92.6	98.2
45-47 weeks . . . . .	97.2	93.9	98.0
48-51 weeks . . . . .	97.1	91.5	98.4
52 weeks or longer . . . . .	94.2	88.1	96.2
Relationship			
Decedent was death certificate informant's—			
Spouse . . . . .	95.9	91.2	97.8
Parent . . . . .	96.8	91.1	98.3
Child . . . . .	97.7	89.5	98.8
Sibling . . . . .	96.9	91.7	98.1
Other relative . . . . .	98.1	90.3	99.1
Nonrelative . . . . .	95.3	84.8	98.2
Death certificate informant and survey respondent were—			
Both decedent's spouse . . . . .	95.8	91.2	97.7
Not both decedent's spouse . . . . .	97.3	90.2	98.5

NOTE: Oregon, Nebraska, Nevada, and New Mexico were excluded from the comparability analysis in this report because Oregon's confidentiality requirements precluded its participation in the 1986 National Mortality Followback Survey, and the primary matching criteria could not be applied for the other three States because they reissue death certificate numbers after the processing of the Current Mortality Sample.

**Table K. Number of responses by place of death on death certificate and on National Mortality Followback survey questionnaire: United States, 1986**

Response to questionnaire item "Where did the person die?"	Total	Place of death on death certificate							Dead on arrival— hospital name not given	
		Hospital				Status unknown	Hospital status not on certificate	Other care institutions		All other reported entries
		Inpatient	Outpatient or emergency room	Dead on arrival	Hospital					
All places . . . . .	11,639	5,661	1,101	800	189	1	1,367	2,519	1	
Hospital emergency room . . . . .	1,148	480	503	99	35	—	11	20	—	
Hospital (excluding emergency room) . . . . .	5,190	4,902	84	16	110	—	56	22	—	
On way to hospital . . . . .	235	28	101	76	6	—	2	22	—	
Nursing or personal care home . . . . .	1,480	117	11	40	4	—	1,270	38	—	
Own home . . . . .	2,564	79	267	368	17	—	5	1,828	—	
Other place (undefined) . . . . .	794	52	106	162	17	1	22	433	1	
Other's home . . . . .	228	3	29	39	—	—	1	156	—	

NOTE: Oregon, Nebraska, Nevada, and New Mexico were excluded from the comparability analysis in this report because Oregon's confidentiality requirements precluded its participation in the 1986 National Mortality Followback Survey, and the primary matching criteria could not be applied for the other three States because they reissue death certificate numbers after the processing of the Current Mortality Sample.



room. Among those classified on the death certificate as “hospital outpatient or in the emergency room,” over one-third (36.5 percent) were recorded on the questionnaire as having died at their own home, another’s home, or another place.

For those classified according to the death certificate as dead on arrival (DOA) at the hospital, questionnaire responses showed 46.0 percent as having died in their own home, 20.3 percent in another place, and 4.9 percent in another’s home.

Of those decedents whose death certificates cited their dying in another care institution, 92.9 percent died in a nursing or personal-care home according to the questionnaire, and 4.9 percent died in the hospital.

Among those classified as “all other entries” on the death certificate, 72.6 percent were reported as dying in their own home, 17.2 percent in another place, and 6.2 percent in another’s home.

## Discussion

Consistency in reporting between the death certificate and the followup questionnaire was excellent for race, Hispanic origin, marital status, and veteran status. However, in spite of overall high correspondence, there were some areas of lesser agreement for these variables. For example, based on unweighted data, there were 21.8 percent more American Indian decedents reported on the questionnaire than there were on the death certificate. Similarly, while the overall level of agreement on marital status was 95.0 percent, for those classified as divorced on the death certificate, there was only 87.1-percent agreement with the questionnaire. In addition, in spite of an overall agreement rate of 98.9 percent on Hispanic origin, 19.6 percent more Hispanic decedents were reported on the questionnaire than on the death certificate.

Although the agreement rate for exact age in years was only 77.5 percent, the agreement rose to 92.7 percent for ages within 1 year and to 95.7 percent for ages within 2 years. There seems to be a small bias in the direction of the questionnaire age being older. This might be due to some questionnaire respondents reporting what the decedent's age would have been at the time of the survey rather than what it was at the time of death.

Levels of agreement on age, race, Hispanic origin, marital status, and veteran status were similar to those found in two studies in which Census Bureau Population Study interview responses were compared to death certificate entries (17-20).

The consistency rates in reporting on occupation and industry were 71.0 percent and 74.4 percent, respectively. These low levels are consistent with prior research (3-16). The disagreements were not random for occupation: For all occupational categories except managerial and professional, the percent of decedents in the category was the same or higher for the questionnaire than for the death certificate. However, there were 26.8 percent fewer managers and professionals on the questionnaire. In contrast to occupation, marginal distributions for industry were very similar for the death certificate and the questionnaire.

It is possible that coding differences may have been a significant factor in the lack of correspondence in occupation and industry between the two sources. Coding many occupation and industry entries that were very general such as "telephone" and "farm" was difficult. The source documents were not reviewed to determine whether differences were due to respondent reporting or to coding.

There was good correspondence when the death certificate place of death was "hospital inpatient," but less consistency for entries reported on the death certificate as "hospital outpatient" or "emergency room." There was very good correspondence for entries of health care institutions other than hospitals on the death certificate.

Overall, high rates of consistency between the questionnaire and death certificate should add confidence in the interpretation and use of mortality statistics. However, even when marginal distributions are very similar, lower rates of agreement raise concern about possible biases in the mortality data. For example, American Indian decedents unidentified as such on the death certificate may have different characteristics from those identified as American Indian on the questionnaire. On the other hand, differences in marginal distributions do not necessarily lead to biases in assessing relationships among specific variables. If the data were weighted to produce national estimates of the degree of overall comparability, these rates would be slightly higher in general because there was oversampling of some groups that had lower rates of agreement.

Through the use of the 1986 NMFS, it is possible to explore further the types and possible directions of potential biases in the relationships among variables. Additional analyses could also include examining comparability according to other important control variables including age, sex, and cause of death. The standard death certificate was revised for use starting in 1989. It will be important for the next NMFS, planned for 1993, to investigate whether there are any changes in the levels of consistency in reporting.

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# List of detailed tables

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**Table 1. Number of responses by age of decedent on National Mortality Followback Survey questionnaire and by race and age on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986**

Race and age on death certificate, interval, and relationship	Age at death on questionnaire															
	Total	30 years and below	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95 years and over
<b>Race and age</b>																
<b>All races:</b>																
All ages . . . . .	15,964	709	732	922	1,131	641	1,070	795	1,132	1,322	1,627	1,735	1,629	1,315	798	406
Under 30 years . . . . .	696	690	6	-	-	-	-	-	-	-	-	-	-	-	-	-
30-34 years . . . . .	756	17	703	30	1	-	1	3	-	-	-	-	-	1	-	-
35-39 years . . . . .	915	-	19	876	15	3	-	1	-	1	-	-	-	-	-	-
40-44 years . . . . .	1,141	1	1	15	1,095	27	1	-	1	-	-	-	-	-	-	-
45-49 years . . . . .	635	-	2	-	15	600	17	1	-	-	-	-	-	-	-	-
50-54 years . . . . .	1,096	-	-	1	1	10	1,026	53	3	1	-	1	-	-	-	-
55-59 years . . . . .	765	-	-	-	1	-	23	710	20	7	3	1	-	-	-	-
60-64 years . . . . .	1,124	-	-	-	2	-	2	18	1,053	41	4	4	-	-	-	-
65-69 years . . . . .	1,344	-	-	-	1	-	-	7	48	1,233	42	10	1	1	1	-
70-74 years . . . . .	1,656	1	1	-	-	-	-	-	5	29	1,518	90	6	4	1	1
75-79 years . . . . .	1,743	-	-	-	-	-	-	1	2	8	50	1,597	67	16	1	1
80-84 years . . . . .	1,647	-	-	-	-	-	-	1	-	1	8	28	1,512	85	8	4
85-89 years . . . . .	1,285	-	-	-	-	1	-	-	-	1	2	3	37	1,193	36	12
90-94 years . . . . .	791	-	-	-	-	-	-	-	-	-	-	1	3	14	741	32
95 years and over. . . . .	370	-	-	-	-	-	-	-	-	-	-	-	3	1	10	356
<b>White:</b>																
All ages . . . . .	11,303	515	516	678	863	435	781	474	716	864	1,124	1,224	1,217	991	623	282
Under 30 years . . . . .	506	503	3	-	-	-	-	-	-	-	-	-	-	-	-	-
30-34 years . . . . .	533	11	503	16	-	-	-	2	-	-	-	-	-	1	-	-
35-39 years . . . . .	670	-	9	651	8	-	-	1	-	1	-	-	-	-	-	-
40-44 years . . . . .	883	-	1	11	853	17	-	-	1	-	-	-	-	-	-	-
45-49 years . . . . .	423	-	-	-	1	414	8	-	-	-	-	-	-	-	-	-
50-54 years . . . . .	801	-	-	-	1	4	762	33	1	-	-	-	-	-	-	-
55-59 years . . . . .	450	-	-	-	-	-	10	430	8	2	-	-	-	-	-	-
60-64 years . . . . .	702	-	-	-	-	-	1	4	676	20	1	-	-	-	-	-
65-69 years . . . . .	874	-	-	-	-	-	-	2	27	826	14	5	-	-	-	-
70-74 years . . . . .	1,137	1	-	-	-	-	-	-	2	11	1,078	44	1	-	-	-
75-79 years . . . . .	1,219	-	-	-	-	-	-	1	1	2	25	1,156	32	2	-	-
80-84 years . . . . .	1,226	-	-	-	-	-	-	1	-	1	6	16	1,161	38	3	-
85-89 years . . . . .	986	-	-	-	-	-	-	-	-	1	-	2	21	945	16	1
90-94 years . . . . .	617	-	-	-	-	-	-	-	-	-	-	1	1	4	597	14
95 years and over. . . . .	276	-	-	-	-	-	-	-	-	-	-	-	1	1	7	267
<b>Black:</b>																
All ages . . . . .	4,117	165	191	203	232	177	246	282	375	421	456	457	359	292	154	107
Under 30 years . . . . .	162	159	3	-	-	-	-	-	-	-	-	-	-	-	-	-
30-34 years . . . . .	199	5	180	11	1	-	1	1	-	-	-	-	-	-	-	-
35-39 years . . . . .	203	-	6	188	6	3	-	-	-	-	-	-	-	-	-	-
40-44 years . . . . .	223	1	-	3	208	10	1	-	-	-	-	-	-	-	-	-
45-49 years . . . . .	179	-	1	-	13	157	7	1	-	-	-	-	-	-	-	-
50-54 years . . . . .	250	-	-	1	-	6	224	17	1	-	-	1	-	-	-	-
55-59 years . . . . .	279	-	-	-	1	-	12	246	12	4	3	1	-	-	-	-
60-64 years . . . . .	381	-	-	-	2	-	1	13	338	20	3	4	-	-	-	-
65-69 years . . . . .	432	-	-	-	1	-	-	4	20	375	24	5	1	1	1	-
70-74 years . . . . .	472	-	1	-	-	-	-	-	3	17	398	42	5	4	1	1
75-79 years . . . . .	467	-	-	-	-	-	-	-	1	5	24	391	30	14	1	1
80-84 years . . . . .	373	-	-	-	-	-	-	-	-	-	2	12	305	46	4	4
85-89 years . . . . .	266	-	-	-	-	1	-	-	-	-	2	1	15	217	19	11
90-94 years . . . . .	152	-	-	-	-	-	-	-	-	-	-	-	1	10	125	16
95 years and over. . . . .	79	-	-	-	-	-	-	-	-	-	-	-	2	-	3	74

**Table 1. Number of reponses by age of decedent on National Mortality Followback Survey questionnaire and by race and age on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

Race and age on death certificate, interval, and relationship	Age at death on questionnaire															
	Total	30 years and below	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95 years and over
<b>American Indian:</b>																
All ages . . . . .	408	21	21	24	21	19	29	34	33	31	36	42	47	23	14	13
Under 30 years . . . . .	21	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-34 years . . . . .	18	-	16	2	-	-	-	-	-	-	-	-	-	-	-	-
35-39 years . . . . .	26	-	4	21	1	-	-	-	-	-	-	-	-	-	-	-
40-44 years . . . . .	20	-	-	1	19	-	-	-	-	-	-	-	-	-	-	-
45-49 years . . . . .	23	-	1	-	1	19	2	-	-	-	-	-	-	-	-	-
50-54 years . . . . .	30	-	-	-	-	-	26	3	-	1	-	-	-	-	-	-
55-59 years . . . . .	31	-	-	-	-	-	1	29	-	1	-	-	-	-	-	-
60-64 years . . . . .	34	-	-	-	-	-	-	1	32	1	-	-	-	-	-	-
65-69 years . . . . .	31	-	-	-	-	-	-	1	1	26	3	-	-	-	-	-
70-74 years . . . . .	36	-	-	-	-	-	-	-	-	1	32	3	-	-	-	-
75-79 years . . . . .	46	-	-	-	-	-	-	-	1	1	39	5	-	-	-	-
80-84 years . . . . .	41	-	-	-	-	-	-	-	-	-	-	-	41	-	-	-
85-89 years . . . . .	24	-	-	-	-	-	-	-	-	-	-	-	-	23	1	-
90-94 years . . . . .	16	-	-	-	-	-	-	-	-	-	-	-	1	-	13	2
95 years and over. . . . .	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
<b>Other:</b>																
All ages . . . . .	136	8	4	17	15	10	14	5	8	6	11	12	6	9	7	4
Under 30 years . . . . .	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-34 years . . . . .	6	1	4	1	-	-	-	-	-	-	-	-	-	-	-	-
35-39 years . . . . .	16	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-
40-44 years . . . . .	15	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-
45-49 years . . . . .	10	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-
50-54 years . . . . .	15	-	-	-	-	-	14	-	1	-	-	-	-	-	-	-
55-59 years . . . . .	5	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-
60-64 years . . . . .	7	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-
65-69 years . . . . .	7	-	-	-	-	-	-	-	-	6	1	-	-	-	-	-
70-74 years . . . . .	11	-	-	-	-	-	-	-	-	-	10	1	-	-	-	-
75-79 years . . . . .	11	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-
80-84 years . . . . .	7	-	-	-	-	-	-	-	-	-	-	-	5	1	1	-
85-89 years . . . . .	9	-	-	-	-	-	-	-	-	-	-	-	1	8	-	-
90-94 years . . . . .	6	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-
95 years and over. . . . .	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
<b>Interval and age</b>																
<b>22-25 weeks:</b>																
All ages . . . . .	1,079	45	42	50	58	39	66	50	80	94	121	112	115	119	63	25
Under 30 years . . . . .	43	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-34 years . . . . .	45	2	42	1	-	-	-	-	-	-	-	-	-	-	-	-
35-39 years . . . . .	50	-	-	49	1	-	-	-	-	-	-	-	-	-	-	-
40-44 years . . . . .	59	-	-	-	57	2	-	-	-	-	-	-	-	-	-	-
45-49 years . . . . .	36	-	-	-	-	36	-	-	-	-	-	-	-	-	-	-
50-54 years . . . . .	70	-	-	-	-	1	66	3	-	-	-	-	-	-	-	-
55-59 years . . . . .	46	-	-	-	-	-	-	46	-	-	-	-	-	-	-	-
60-64 years . . . . .	80	-	-	-	-	-	-	1	78	1	-	-	-	-	-	-
65-69 years . . . . .	95	-	-	-	-	-	-	-	2	91	1	1	-	-	-	-
70-74 years . . . . .	124	-	-	-	-	-	-	-	1	118	4	1	-	-	-	-
75-79 years . . . . .	113	-	-	-	-	-	-	-	1	2	105	4	1	-	-	-
80-84 years . . . . .	118	-	-	-	-	-	-	-	-	-	2	109	5	2	-	-
85-89 years . . . . .	115	-	-	-	-	-	-	-	-	-	-	1	111	2	1	-
90-94 years . . . . .	62	-	-	-	-	-	-	-	-	-	-	-	2	58	2	-
95 years and over. . . . .	23	-	-	-	-	-	-	-	-	-	-	-	-	-	1	22

**Table 1. Number of reponses by age of decedent on National Mortality Followback Survey questionnaire and by race and age on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

<i>Race and age on death certificate, interval, and relationship</i>	<i>Age at death on questionnaire</i>															
	<i>Total</i>	<i>30 years and below</i>	<i>30-34 years</i>	<i>35-39 years</i>	<i>40-44 years</i>	<i>45-49 years</i>	<i>50-54 years</i>	<i>55-59 years</i>	<i>60-64 years</i>	<i>65-69 years</i>	<i>70-74 years</i>	<i>75-79 years</i>	<i>80-84 years</i>	<i>85-89 years</i>	<i>90-94 years</i>	<i>95 years and over</i>
<b>26-29 weeks:</b>																
All ages . . . . .	2,200	63	85	121	150	89	139	105	143	197	204	276	225	200	127	76
Under 30 years . . . . .	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-34 years . . . . .	93	-	85	5	-	-	1	2	-	-	-	-	-	-	-	-
35-39 years . . . . .	118	-	-	115	2	-	-	-	-	1	-	-	-	-	-	-
40-44 years . . . . .	150	-	-	1	146	3	-	-	-	-	-	-	-	-	-	-
45-49 years . . . . .	89	-	-	-	1	86	2	-	-	-	-	-	-	-	-	-
50-54 years . . . . .	136	-	-	-	-	-	133	3	-	-	-	-	-	-	-	-
55-59 years . . . . .	104	-	-	-	-	-	2	100	1	-	1	-	-	-	-	-
60-64 years . . . . .	146	-	-	-	1	-	1	-	141	3	-	-	-	-	-	-
65-69 years . . . . .	197	-	-	-	-	-	-	-	1	189	4	2	-	-	1	-
70-74 years . . . . .	208	-	-	-	-	-	-	-	3	197	6	-	2	-	-	-
75-79 years . . . . .	276	-	-	-	-	-	-	-	-	1	2	265	4	3	-	1
80-84 years . . . . .	230	-	-	-	-	-	-	-	-	-	3	215	9	3	-	-
85-89 years . . . . .	196	-	-	-	-	-	-	-	-	-	-	5	184	3	4	-
90-94 years . . . . .	124	-	-	-	-	-	-	-	-	-	-	-	2	119	3	-
95 years and over. . . . .	70	-	-	-	-	-	-	-	-	-	-	1	-	1	68	-
<b>30-32 weeks:</b>																
All ages . . . . .	1,919	59	73	102	132	75	113	94	144	152	210	228	207	153	124	53
Under 30 years . . . . .	58	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-34 years . . . . .	77	1	71	4	-	-	-	1	-	-	-	-	-	-	-	-
35-39 years . . . . .	101	-	2	98	1	-	-	-	-	-	-	-	-	-	-	-
40-44 years . . . . .	134	-	-	-	131	3	-	-	-	-	-	-	-	-	-	-
45-49 years . . . . .	71	-	-	-	-	71	-	-	-	-	-	-	-	-	-	-
50-54 years . . . . .	115	-	-	-	-	1	112	2	-	-	-	-	-	-	-	-
55-59 years . . . . .	93	-	-	-	-	-	1	91	1	-	-	-	-	-	-	-
60-64 years . . . . .	142	-	-	-	-	-	-	-	140	2	-	-	-	-	-	-
65-69 years . . . . .	155	-	-	-	-	-	-	-	3	148	3	-	-	1	-	-
70-74 years . . . . .	220	-	-	-	-	-	-	-	-	2	203	15	-	-	-	-
75-79 years . . . . .	222	-	-	-	-	-	-	-	-	-	4	211	6	1	-	-
80-84 years . . . . .	205	-	-	-	-	-	-	-	-	-	-	2	199	3	-	1
85-89 years . . . . .	154	-	-	-	-	-	-	-	-	-	-	-	2	146	5	1
90-94 years . . . . .	123	-	-	-	-	-	-	-	-	-	-	-	2	117	4	-
95 years and over. . . . .	49	-	-	-	-	-	-	-	-	-	-	-	-	2	47	-
<b>33-35 weeks:</b>																
All ages . . . . .	2,343	115	88	115	167	76	139	111	172	216	255	238	240	218	121	72
Under 30 years . . . . .	115	114	1	-	-	-	-	-	-	-	-	-	-	-	-	-
30-34 years . . . . .	86	1	84	1	-	-	-	-	-	-	-	-	-	-	-	-
35-39 years . . . . .	115	-	2	112	1	-	-	-	-	-	-	-	-	-	-	-
40-44 years . . . . .	167	-	-	2	164	1	-	-	-	-	-	-	-	-	-	-
45-49 years . . . . .	76	-	1	-	1	72	2	-	-	-	-	-	-	-	-	-
50-54 years . . . . .	149	-	-	-	1	2	137	9	-	-	-	-	-	-	-	-
55-59 years . . . . .	105	-	-	-	-	-	-	100	5	-	-	-	-	-	-	-
60-64 years . . . . .	166	-	-	-	-	-	-	-	159	5	1	1	-	-	-	-
65-69 years . . . . .	222	-	-	-	-	-	-	2	7	207	5	1	-	-	-	-
70-74 years . . . . .	264	-	-	-	-	-	-	-	1	4	242	14	2	-	1	-
75-79 years . . . . .	240	-	-	-	-	-	-	-	-	7	221	10	2	-	-	-
80-84 years . . . . .	239	-	-	-	-	-	-	-	-	-	1	220	15	3	-	-
85-89 years . . . . .	212	-	-	-	-	1	-	-	-	-	-	5	200	4	2	-
90-94 years . . . . .	117	-	-	-	-	-	-	-	-	-	-	-	1	1	111	4
95 years and over. . . . .	70	-	-	-	-	-	-	-	-	-	-	2	-	2	66	-

**Table 1. Number of reponses by age of decedent on National Mortality Followback Survey questionnaire and by race and age on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

<i>Race and age on death certificate, interval, and relationship</i>	<i>Age at death on questionnaire</i>															
	<i>Total</i>	<i>30 years and below</i>	<i>30-34 years</i>	<i>35-39 years</i>	<i>40-44 years</i>	<i>45-49 years</i>	<i>50-54 years</i>	<i>55-59 years</i>	<i>60-64 years</i>	<i>65-69 years</i>	<i>70-74 years</i>	<i>75-79 years</i>	<i>80-84 years</i>	<i>85-89 years</i>	<i>90-94 years</i>	<i>95 years and over</i>
<b>36-38 weeks:</b>																
All ages . . . . .	2,061	93	96	119	146	81	121	102	164	149	223	251	217	165	90	44
Under 30 years . . . . .	90	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-34 years . . . . .	98	2	92	4	-	-	-	-	-	-	-	-	-	-	-	-
35-39 years . . . . .	117	-	4	110	3	-	-	-	-	-	-	-	-	-	-	-
40-44 years . . . . .	152	1	-	4	142	3	1	-	1	-	-	-	-	-	-	-
45-49 years . . . . .	79	-	-	-	-	78	1	-	-	-	-	-	-	-	-	-
50-54 years . . . . .	123	-	-	1	-	-	114	7	1	-	-	-	-	-	-	-
55-59 years . . . . .	102	-	-	-	-	-	5	91	2	1	2	1	-	-	-	-
60-64 years . . . . .	163	-	-	-	-	-	-	2	152	6	1	2	-	-	-	-
65-69 years . . . . .	154	-	-	-	1	-	-	1	8	136	7	1	-	-	-	-
70-74 years . . . . .	226	-	-	-	-	-	-	-	5	207	11	1	1	-	-	1
75-79 years . . . . .	245	-	-	-	-	-	-	-	1	4	231	5	4	-	-	-
80-84 years . . . . .	222	-	-	-	-	-	-	1	-	-	1	4	204	11	-	1
85-89 years . . . . .	162	-	-	-	-	-	-	-	-	1	1	7	147	5	-	1
90-94 years . . . . .	94	-	-	-	-	-	-	-	-	-	-	-	-	2	85	7
95 years and over. . . . .	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34
<b>39-41 weeks:</b>																
All ages . . . . .	1,850	87	100	111	141	75	156	88	123	171	179	174	190	122	83	50
Under 30 years . . . . .	84	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-34 years . . . . .	101	3	93	4	1	-	-	-	-	-	-	-	-	-	-	-
35-39 years . . . . .	113	-	6	105	2	-	-	-	-	-	-	-	-	-	-	-
40-44 years . . . . .	140	-	-	2	134	4	-	-	-	-	-	-	-	-	-	-
45-49 years . . . . .	78	-	1	-	4	70	2	1	-	-	-	-	-	-	-	-
50-54 years . . . . .	159	-	-	-	-	1	149	7	1	-	-	1	-	-	-	-
55-59 years . . . . .	81	-	-	-	-	-	4	74	2	1	-	-	-	-	-	-
60-64 years . . . . .	128	-	-	-	-	-	1	3	115	8	1	-	-	-	-	-
65-69 years . . . . .	162	-	-	-	-	-	-	2	3	153	4	-	-	-	-	-
70-74 years . . . . .	183	-	-	-	-	-	-	-	1	6	163	13	-	-	-	-
75-79 years . . . . .	179	-	-	-	-	-	-	1	1	3	10	156	7	1	-	-
80-84 years . . . . .	197	-	-	-	-	-	-	-	-	-	1	3	178	14	-	1
85-89 years . . . . .	112	-	-	-	-	-	-	-	-	-	-	-	5	105	1	1
90-94 years . . . . .	88	-	-	-	-	-	-	-	-	-	-	1	-	2	82	3
95 years and over. . . . .	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45
<b>42-44 weeks:</b>																
All ages . . . . .	1,635	79	69	108	119	70	116	100	110	130	156	169	168	128	84	29
Under 30 years . . . . .	78	76	2	-	-	-	-	-	-	-	-	-	-	-	-	-
30-34 years . . . . .	73	3	66	4	-	-	-	-	-	-	-	-	-	-	-	-
35-39 years . . . . .	102	-	1	99	-	1	-	1	-	-	-	-	-	-	-	-
40-44 years . . . . .	118	-	-	5	112	1	-	-	-	-	-	-	-	-	-	-
45-49 years . . . . .	77	-	-	-	6	67	4	-	-	-	-	-	-	-	-	-
50-54 years . . . . .	113	-	-	-	-	1	107	5	-	-	-	-	-	-	-	-
55-59 years . . . . .	102	-	-	-	1	-	5	89	3	4	-	-	-	-	-	-
60-64 years . . . . .	108	-	-	-	-	-	-	4	97	7	-	-	-	-	-	-
65-69 years . . . . .	136	-	-	-	-	-	-	1	8	116	7	3	1	-	-	-
70-74 years . . . . .	148	-	-	-	-	-	-	-	1	3	134	9	1	-	-	-
75-79 years . . . . .	177	-	-	-	-	-	-	-	1	-	10	151	11	3	1	-
80-84 years . . . . .	168	-	-	-	-	-	-	-	-	-	4	5	150	8	-	1
85-89 years . . . . .	128	-	-	-	-	-	-	-	-	-	1	1	4	116	6	-
90-94 years . . . . .	78	-	-	-	-	-	-	-	-	-	-	-	1	-	75	2
95 years and over. . . . .	29	-	-	-	-	-	-	-	-	-	-	-	-	1	2	26



**Table 1. Number of reponses by age of decedent on National Mortality Followback Survey questionnaire and by race and age on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

Race and age on death certificate, interval, and relationship	Age at death on questionnaire															
	Total	30 years and below	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95 years and over
<b>45-47 weeks:</b>																
All ages . . . . .	1,182	67	78	85	91	53	94	58	86	84	111	111	106	92	40	26
Under 30 years . . . . .	63	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-34 years . . . . .	82	3	77	2	-	-	-	-	-	-	-	-	-	-	-	-
35-39 years . . . . .	85	-	-	83	2	-	-	-	-	-	-	-	-	-	-	-
40-44 years . . . . .	92	-	-	-	87	5	-	-	-	-	-	-	-	-	-	-
45-49 years . . . . .	51	-	-	-	2	47	2	-	-	-	-	-	-	-	-	-
50-54 years . . . . .	99	-	-	-	-	1	91	6	1	-	-	-	-	-	-	-
55-59 years . . . . .	53	-	-	-	-	-	1	49	3	-	-	-	-	-	-	-
60-64 years . . . . .	86	-	-	-	-	-	-	3	75	6	1	1	-	-	-	-
65-69 years . . . . .	88	-	-	-	-	-	-	-	7	75	5	1	-	-	-	-
70-74 years . . . . .	110	1	1	-	-	-	-	-	-	1	99	8	-	-	-	-
75-79 years . . . . .	113	-	-	-	-	-	-	-	-	-	5	99	8	1	-	-
80-84 years . . . . .	103	-	-	-	-	-	-	-	-	1	1	2	96	3	-	-
85-89 years . . . . .	96	-	-	-	-	-	-	-	-	1	-	-	1	86	6	2
90-94 years . . . . .	39	-	-	-	-	-	-	-	-	-	-	-	1	2	34	2
95 years and over . . . . .	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22
<b>48-51 weeks:</b>																
All ages . . . . .	856	54	47	60	59	32	65	43	56	65	84	97	93	55	33	13
Under 30 years . . . . .	55	54	1	-	-	-	-	-	-	-	-	-	-	-	-	-
30-34 years . . . . .	48	-	45	3	-	-	-	-	-	-	-	-	-	-	-	-
35-39 years . . . . .	61	-	1	57	2	1	-	-	-	-	-	-	-	-	-	-
40-44 years . . . . .	56	-	-	-	56	-	-	-	-	-	-	-	-	-	-	-
45-49 years . . . . .	31	-	-	-	1	28	2	-	-	-	-	-	-	-	-	-
50-54 years . . . . .	73	-	-	-	-	3	61	8	-	1	-	-	-	-	-	-
55-59 years . . . . .	36	-	-	-	-	-	2	31	2	1	-	-	-	-	-	-
60-64 years . . . . .	53	-	-	-	-	-	-	3	47	3	-	-	-	-	-	-
65-69 years . . . . .	68	-	-	-	-	-	-	1	6	57	4	-	-	-	-	-
70-74 years . . . . .	85	-	-	-	-	-	-	-	1	3	76	3	1	1	-	-
75-79 years . . . . .	100	-	-	-	-	-	-	-	-	-	4	90	6	-	-	-
80-84 years . . . . .	92	-	-	-	-	-	-	-	-	-	-	3	82	7	-	-
85-89 years . . . . .	52	-	-	-	-	-	-	-	-	-	-	1	4	46	1	-
90-94 years . . . . .	34	-	-	-	-	-	-	-	-	-	-	-	-	1	31	2
95 years and over . . . . .	12	-	-	-	-	-	-	-	-	-	-	-	-	-	1	11
<b>52 weeks and longer:</b>																
All ages . . . . .	824	47	52	51	67	50	59	44	54	62	81	79	66	61	33	18
Under 30 years . . . . .	47	45	2	-	-	-	-	-	-	-	-	-	-	-	-	-
30-34 years . . . . .	51	2	46	2	-	-	-	-	-	-	-	-	-	1	-	-
35-39 years . . . . .	53	-	3	48	1	1	-	-	-	-	-	-	-	-	-	-
40-44 years . . . . .	72	-	1	1	65	5	-	-	-	-	-	-	-	-	-	-
45-49 years . . . . .	46	-	-	-	-	44	2	-	-	-	-	-	-	-	-	-
50-54 years . . . . .	57	-	-	-	-	-	54	3	-	-	-	-	-	-	-	-
55-59 years . . . . .	43	-	-	-	-	-	3	39	1	-	-	-	-	-	-	-
60-64 years . . . . .	52	-	-	-	1	-	-	2	49	-	-	-	-	-	-	-
65-69 years . . . . .	65	-	-	-	-	-	-	-	3	59	2	1	-	-	-	-
70-74 years . . . . .	86	-	-	-	-	-	-	-	1	1	77	7	-	-	-	-
75-79 years . . . . .	77	-	-	-	-	-	-	-	-	2	1	68	6	-	-	-
80-84 years . . . . .	71	-	-	-	-	-	-	-	-	-	1	3	57	10	-	-
85-89 years . . . . .	56	-	-	-	-	-	-	-	-	-	-	-	3	50	3	-
90-94 years . . . . .	32	-	-	-	-	-	-	-	-	-	-	-	-	-	29	3
95 years and over . . . . .	16	-	-	-	-	-	-	-	-	-	-	-	-	-	1	15

**Table 1. Number of reponses by age of decedent on National Mortality Followback Survey questionnaire and by race and age on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

Race and age on death certificate, interval, and relationship	Age at death on questionnaire															
	Total	30 years and below	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95 years and over
<b>Missing:</b>																
All ages . . . . .	15	—	2	—	1	1	2	—	—	2	3	—	2	2	—	—
30-34 years . . . . .	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
35-39 years . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40-44 years . . . . .	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—
45-49 years . . . . .	1	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—
50-54 years . . . . .	2	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—
55-59 years . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60-64 years . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
65-69 years . . . . .	2	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—
70-74 years . . . . .	2	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—
75-79 years . . . . .	1	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—
80-84 years . . . . .	2	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—
85-89 years . . . . .	2	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—
<b>Relationship and age</b>																
<b>Decedent was death certificate informant's—</b>																
<b>Spouse:</b>																
All ages . . . . .	5,997	164	245	388	552	318	579	429	561	640	726	663	440	218	56	18
Under 30 years . . . . .	160	158	2	—	—	—	—	—	—	—	—	—	—	—	—	—
30-34 years . . . . .	252	6	234	11	—	—	—	1	—	—	—	—	—	—	—	—
35-39 years . . . . .	382	—	7	370	3	1	—	1	—	—	—	—	—	—	—	—
40-44 years . . . . .	564	—	—	6	543	14	—	—	1	—	—	—	—	—	—	—
45-49 years . . . . .	309	—	1	—	4	300	4	—	—	—	—	—	—	—	—	—
50-54 years . . . . .	599	—	—	1	—	3	567	27	1	—	—	—	—	—	—	—
55-59 years . . . . .	410	—	—	—	—	—	6	395	7	2	—	—	—	—	—	—
60-64 years . . . . .	564	—	—	—	1	—	2	3	541	15	2	—	—	—	—	—
65-69 years . . . . .	645	—	—	—	1	—	—	2	11	613	14	4	—	—	—	—
70-74 years . . . . .	732	—	1	—	—	—	—	—	—	6	693	28	4	—	—	—
75-79 years . . . . .	659	—	—	—	—	—	—	—	—	4	12	625	18	—	—	—
80-84 years . . . . .	438	—	—	—	—	—	—	—	—	—	4	5	413	15	—	1
85-89 years . . . . .	213	—	—	—	—	—	—	—	—	—	1	1	5	201	4	1
90-94 years . . . . .	59	—	—	—	—	—	—	—	—	—	—	—	—	2	52	5
95 years and over . . . . .	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11
<b>Parent:</b>																
All ages . . . . .	1,172	335	257	214	188	57	51	16	16	6	7	5	6	8	5	1
Under 30 years . . . . .	332	330	2	—	—	—	—	—	—	—	—	—	—	—	—	—
30-34 years . . . . .	265	4	251	8	—	—	1	1	—	—	—	—	—	—	—	—
35-39 years . . . . .	211	—	4	202	4	—	—	—	—	1	—	—	—	—	—	—
40-44 years . . . . .	188	1	—	4	180	3	—	—	—	—	—	—	—	—	—	—
45-49 years . . . . .	60	—	—	—	3	53	4	—	—	—	—	—	—	—	—	—
50-54 years . . . . .	49	—	—	—	1	1	45	2	—	—	—	—	—	—	—	—
55-59 years . . . . .	14	—	—	—	—	—	1	13	—	—	—	—	—	—	—	—
60-64 years . . . . .	16	—	—	—	—	—	—	—	16	—	—	—	—	—	—	—
65-69 years . . . . .	5	—	—	—	—	—	—	—	—	5	—	—	—	—	—	—
70-74 years . . . . .	7	—	—	—	—	—	—	—	—	—	7	—	—	—	—	—
75-79 years . . . . .	5	—	—	—	—	—	—	—	—	—	—	5	—	—	—	—
80-84 years . . . . .	8	—	—	—	—	—	—	—	—	—	—	—	6	2	—	—
85-89 years . . . . .	6	—	—	—	—	—	—	—	—	—	—	—	—	6	—	—
90-94 years . . . . .	5	—	—	—	—	—	—	—	—	—	—	—	—	—	5	—
95 years and over . . . . .	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1

**Table 1. Number of reponses by age of decedent on National Mortality Followback Survey questionnaire and by race and age on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986–Con.**

<i>Race and age on death certificate, interval, and relationship</i>	<i>Age at death on questionnaire</i>															
	<i>Total</i>	<i>30 years and below</i>	<i>30–34 years</i>	<i>35–39 years</i>	<i>40–44 years</i>	<i>45–49 years</i>	<i>50–54 years</i>	<i>55–59 years</i>	<i>60–64 years</i>	<i>65–69 years</i>	<i>70–74 years</i>	<i>75–79 years</i>	<i>80–84 years</i>	<i>85–89 years</i>	<i>90–94 years</i>	<i>95 years and over</i>
<b>Child:</b>																
All ages . . . . .	1,759	3	3	16	37	41	88	67	125	148	194	223	268	259	187	100
Under 30 years . . . . .	2	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–
30–34 years . . . . .	4	–	3	–	–	–	–	–	–	–	–	–	–	1	–	–
35–39 years . . . . .	16	–	–	16	–	–	–	–	–	–	–	–	–	–	–	–
40–44 years . . . . .	39	–	–	–	36	3	–	–	–	–	–	–	–	–	–	–
45–49 years . . . . .	39	–	–	–	1	37	1	–	–	–	–	–	–	–	–	–
50–54 years . . . . .	94	–	–	–	–	1	83	7	2	–	–	1	–	–	–	–
55–59 years . . . . .	61	–	–	–	–	–	4	55	1	1	–	–	–	–	–	–
60–64 years . . . . .	126	–	–	–	–	–	–	3	112	11	–	–	–	–	–	–
65–69 years . . . . .	150	–	–	–	–	–	–	2	8	132	5	3	–	–	–	–
70–74 years . . . . .	197	1	–	–	–	–	–	–	2	4	179	9	–	1	1	–
75–79 years . . . . .	228	–	–	–	–	–	–	–	–	–	9	207	10	2	–	–
80–84 years . . . . .	280	–	–	–	–	–	–	–	–	–	1	3	256	18	1	1
85–89 years . . . . .	246	–	–	–	–	–	–	–	–	–	–	2	233	7	4	–
90–94 years . . . . .	188	–	–	–	–	–	–	–	–	–	–	–	–	4	174	10
95 years and over . . . . .	89	–	–	–	–	–	–	–	–	–	–	–	–	–	4	85
<b>Sibling:</b>																
All ages . . . . .	608	36	48	57	60	45	40	30	54	49	55	52	49	22	9	2
Under 30 years . . . . .	36	36	–	–	–	–	–	–	–	–	–	–	–	–	–	–
30–34 years . . . . .	48	–	45	2	–	–	–	1	–	–	–	–	–	–	–	–
35–39 years . . . . .	57	–	2	53	1	1	–	–	–	–	–	–	–	–	–	–
40–44 years . . . . .	61	–	1	2	56	1	1	–	–	–	–	–	–	–	–	–
45–49 years . . . . .	44	–	–	–	3	39	2	–	–	–	–	–	–	–	–	–
50–54 years . . . . .	41	–	–	–	–	4	34	3	–	–	–	–	–	–	–	–
55–59 years . . . . .	33	–	–	–	–	–	3	26	2	2	–	–	–	–	–	–
60–64 years . . . . .	50	–	–	–	–	–	–	–	48	–	1	1	–	–	–	–
65–69 years . . . . .	52	–	–	–	–	–	–	–	3	46	3	–	–	–	–	–
70–74 years . . . . .	50	–	–	–	–	–	–	–	–	1	47	2	–	–	–	–
75–79 years . . . . .	53	–	–	–	–	–	–	–	1	–	3	46	2	1	–	–
80–84 years . . . . .	46	–	–	–	–	–	–	–	–	–	1	2	43	–	–	–
85–89 years . . . . .	26	–	–	–	–	–	–	–	–	–	–	1	4	21	–	–
90–94 years . . . . .	9	–	–	–	–	–	–	–	–	–	–	–	–	–	9	–
95 years and over . . . . .	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2
<b>Other relative:</b>																
All ages . . . . .	463	11	12	16	10	7	13	6	14	29	37	56	80	80	64	28
Under 30 years . . . . .	10	9	1	–	–	–	–	–	–	–	–	–	–	–	–	–
30–34 years . . . . .	15	2	11	2	–	–	–	–	–	–	–	–	–	–	–	–
35–39 years . . . . .	15	–	–	14	1	–	–	–	–	–	–	–	–	–	–	–
40–44 years . . . . .	8	–	–	–	8	–	–	–	–	–	–	–	–	–	–	–
45–49 years . . . . .	10	–	–	–	1	7	1	1	–	–	–	–	–	–	–	–
50–54 years . . . . .	11	–	–	–	–	–	11	–	–	–	–	–	–	–	–	–
55–59 years . . . . .	7	–	–	–	–	–	1	5	1	–	–	–	–	–	–	–
60–64 years . . . . .	14	–	–	–	–	–	–	–	11	2	–	1	–	–	–	–
65–69 years . . . . .	27	–	–	–	–	–	–	–	1	25	1	–	–	–	–	–
70–74 years . . . . .	43	–	–	–	–	–	–	–	–	2	35	5	–	1	–	–
75–79 years . . . . .	55	–	–	–	–	–	–	–	1	–	–	47	6	1	–	–
80–84 years . . . . .	85	–	–	–	–	–	–	–	–	–	1	2	69	12	1	–
85–89 years . . . . .	77	–	–	–	–	–	–	–	–	–	–	1	4	65	6	1
90–94 years . . . . .	60	–	–	–	–	–	–	–	–	–	–	–	–	1	56	3
95 years and over . . . . .	26	–	–	–	–	–	–	–	–	–	–	–	1	–	1	24

**Table 1. Number of responses by age of decedent on National Mortality Followback Survey questionnaire and by race and age on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

Race and age on death certificate, interval, and relationship	Age at death on questionnaire															
	Total	30 years and below	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95 years and over
<b>Nonrelative:</b>																
All ages . . . . .	378	14	9	22	39	24	20	21	26	24	33	37	43	35	19	12
Under 30 years . . . . .	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-34 years . . . . .	10	1	8	1	-	-	-	-	-	-	-	-	-	-	-	-
35-39 years . . . . .	21	-	1	20	-	-	-	-	-	-	-	-	-	-	-	-
40-44 years . . . . .	40	-	-	1	39	-	-	-	-	-	-	-	-	-	-	-
45-49 years . . . . .	25	-	-	-	-	24	1	-	-	-	-	-	-	-	-	-
50-54 years . . . . .	19	-	-	-	-	-	18	1	-	-	-	-	-	-	-	-
55-59 years . . . . .	23	-	-	-	-	-	1	20	2	-	-	-	-	-	-	-
60-64 years . . . . .	24	-	-	-	-	-	-	-	24	-	-	-	-	-	-	-
65-69 years . . . . .	21	-	-	-	-	-	-	-	-	20	1	-	-	-	-	-
70-74 years . . . . .	34	-	-	-	-	-	-	-	-	1	31	2	-	-	-	-
75-79 years . . . . .	35	-	-	-	-	-	-	-	-	1	1	32	1	-	-	-
80-84 years . . . . .	47	-	-	-	-	-	-	-	-	1	-	3	40	3	-	-
85-89 years . . . . .	34	-	-	-	-	-	-	-	-	1	-	-	1	31	1	-
90-94 years . . . . .	19	-	-	-	-	-	-	-	-	-	-	-	-	-	18	1
95 years and over . . . . .	13	-	-	-	-	-	-	-	-	-	-	-	1	1	-	11
<b>Not stated:</b>																
All ages . . . . .	5,587	146	158	209	245	149	279	226	336	426	575	699	743	693	458	245
Under 30 years . . . . .	143	142	1	-	-	-	-	-	-	-	-	-	-	-	-	-
30-34 years . . . . .	162	4	151	6	1	-	-	-	-	-	-	-	-	-	-	-
35-39 years . . . . .	213	-	5	201	6	1	-	-	-	-	-	-	-	-	-	-
40-44 years . . . . .	241	-	-	2	233	6	-	-	-	-	-	-	-	-	-	-
45-49 years . . . . .	148	-	1	-	3	140	4	-	-	-	-	-	-	-	-	-
50-54 years . . . . .	283	-	-	-	-	1	268	13	-	1	-	-	-	-	-	-
55-59 years . . . . .	217	-	-	-	1	-	7	196	7	2	3	1	-	-	-	-
60-64 years . . . . .	330	-	-	-	1	-	-	12	301	13	1	2	-	-	-	-
65-69 years . . . . .	444	-	-	-	-	-	-	3	25	392	18	3	1	1	1	-
70-74 years . . . . .	593	-	-	-	-	-	-	-	3	15	526	44	2	2	-	1
75-79 years . . . . .	708	-	-	-	-	-	-	1	-	3	25	635	30	12	1	1
80-84 years . . . . .	743	-	-	-	-	-	-	1	-	-	1	13	685	35	6	2
85-89 years . . . . .	683	-	-	-	-	1	-	-	-	-	1	-	21	636	18	6
90-94 years . . . . .	451	-	-	-	-	-	-	-	-	-	-	1	3	7	427	13
95 years and over . . . . .	228	-	-	-	-	-	-	-	-	-	-	-	1	-	5	222
<b>Death certificate informant and survey respondent were—</b>																
<b>Both spouse:</b>																
All ages . . . . .	5,083	116	193	317	483	252	494	372	505	578	632	559	360	167	40	15
Under 30 years . . . . .	116	115	1	-	-	-	-	-	-	-	-	-	-	-	-	-
30-34 years . . . . .	199	1	190	7	-	-	-	1	-	-	-	-	-	-	-	-
35-39 years . . . . .	311	-	2	305	3	-	-	1	-	-	-	-	-	-	-	-
40-44 years . . . . .	492	-	-	4	478	9	-	-	1	-	-	-	-	-	-	-
45-49 years . . . . .	246	-	-	-	1	241	4	-	-	-	-	-	-	-	-	-
50-54 years . . . . .	510	-	-	1	-	2	484	23	-	-	-	-	-	-	-	-
55-59 years . . . . .	354	-	-	-	-	-	4	343	5	2	-	-	-	-	-	-
60-64 years . . . . .	505	-	-	-	-	-	2	2	491	8	2	-	-	-	-	-
65-69 years . . . . .	583	-	-	-	1	-	-	2	8	559	10	3	-	-	-	-
70-74 years . . . . .	639	-	-	-	-	-	-	-	-	5	608	23	3	-	-	-
75-79 years . . . . .	556	-	-	-	-	-	-	-	-	4	9	527	16	-	-	-
80-84 years . . . . .	357	-	-	-	-	-	-	-	-	-	3	5	337	11	-	1
85-89 years . . . . .	163	-	-	-	-	-	-	-	-	-	-	1	4	154	3	1
90-94 years . . . . .	43	-	-	-	-	-	-	-	-	-	-	-	-	2	37	4
95 years and over . . . . .	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9

**Table 1. Number of responses by age of decedent on National Mortality Followback Survey questionnaire and by race and age on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

Race and age on death certificate, interval, and relationship	Age at death on questionnaire															
	Total	30 years and below	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95 years and over
<b>Not both spouse:</b>																
All ages . . . . .	10,370	580	520	580	606	377	533	392	563	682	921	1,120	1,230	1,127	751	388
Under 30 years . . . . .	567	562	5	—	—	—	—	—	—	—	—	—	—	—	—	—
30-34 years . . . . .	538	16	495	22	1	—	1	2	—	—	—	—	—	1	—	—
35-39 years . . . . .	580	—	17	547	12	3	—	—	—	1	—	—	—	—	—	—
40-44 years . . . . .	607	1	1	11	575	18	1	—	—	—	—	—	—	—	—	—
45-49 years . . . . .	377	—	1	—	14	348	13	1	—	—	—	—	—	—	—	—
50-54 years . . . . .	544	—	—	—	1	8	501	29	3	1	—	1	—	—	—	—
55-59 years . . . . .	379	—	—	—	1	—	17	337	15	5	3	1	—	—	—	—
60-64 years . . . . .	556	—	—	—	2	—	—	16	502	30	2	4	—	—	—	—
65-69 years . . . . .	695	—	—	—	—	—	—	5	36	615	29	7	1	1	1	—
70-74 years . . . . .	945	1	1	—	—	—	—	—	5	24	841	65	3	3	1	1
75-79 years . . . . .	1,131	—	—	—	—	—	—	1	2	4	39	1,016	51	16	1	1
80-84 years . . . . .	1,248	—	—	—	—	—	—	1	—	1	5	23	1,136	72	7	3
85-89 years . . . . .	1,104	—	—	—	—	—	—	—	—	1	2	2	33	1,022	33	11
90-94 years . . . . .	741	—	—	—	—	—	—	—	—	—	—	1	3	11	698	28
95 years and over . . . . .	358	—	—	—	—	—	—	—	—	—	—	—	3	1	10	344
<b>Not stated:</b>																
All ages . . . . .	511	13	19	25	42	12	43	31	64	62	74	56	39	21	7	3
Under 30 years . . . . .	13	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30-34 years . . . . .	19	—	18	1	—	—	—	—	—	—	—	—	—	—	—	—
35-39 years . . . . .	24	—	—	24	—	—	—	—	—	—	—	—	—	—	—	—
40-44 years . . . . .	42	—	—	—	42	—	—	—	—	—	—	—	—	—	—	—
45-49 years . . . . .	12	—	1	—	—	11	—	—	—	—	—	—	—	—	—	—
50-54 years . . . . .	42	—	—	—	—	—	41	1	—	—	—	—	—	—	—	—
55-59 years . . . . .	32	—	—	—	—	—	2	30	—	—	—	—	—	—	—	—
60-64 years . . . . .	63	—	—	—	—	—	—	—	60	3	—	—	—	—	—	—
65-69 years . . . . .	66	—	—	—	—	—	—	—	4	59	3	—	—	—	—	—
70-74 years . . . . .	72	—	—	—	—	—	—	—	—	—	69	2	—	1	—	—
75-79 years . . . . .	56	—	—	—	—	—	—	—	—	—	2	54	—	—	—	—
80-84 years . . . . .	42	—	—	—	—	—	—	—	—	—	—	—	39	2	1	—
85-89 years . . . . .	18	—	—	—	—	1	—	—	—	—	—	—	—	17	—	—
90-94 years . . . . .	7	—	—	—	—	—	—	—	—	—	—	—	—	1	6	—
95 years and over . . . . .	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3

NOTE: Oregon, Nebraska, Nevada, and New Mexico were excluded from the comparability analysis in this report because Oregon's confidentiality requirements precluded its participation in the 1986 National Mortality Followback Survey, and the primary matching criteria could not be applied for the other three States because they reissue death certificate numbers after the processing of the Current Mortality Sample.

**Table 2. Number of responses by race of decedent on National Mortality Followback Survey questionnaire and by race on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986**

<i>Race on death certificate, Interval and relationship</i>	<i>Race on questionnaire</i>					
	<i>Total</i>	<i>White</i>	<i>Black</i>	<i>American Indian</i>	<i>Asian</i>	<i>Other</i>
<b>Race</b>						
All races . . . . .	15,972	11,167	4,060	514	147	84
White . . . . .	11,315	11,109	36	86	23	61
Black . . . . .	4,101	28	4,021	34	5	13
American Indian . . . . .	422	24	2	392	1	3
Asian . . . . .	131	5	1	2	116	7
Other . . . . .	3	1	-	-	2	-
<b>Interval and race</b>						
<b>22-25 weeks:</b>						
All races . . . . .	1,084	812	236	27	9	-
White . . . . .	819	811	1	5	2	-
Black . . . . .	237	1	235	1	-	-
American Indian . . . . .	21	-	-	21	-	-
Asian . . . . .	7	-	-	-	7	-
Other . . . . .	-	-	-	-	-	-
<b>26-29 weeks:</b>						
All races . . . . .	2,246	1,656	496	71	21	2
White . . . . .	1,668	1,651	3	11	3	-
Black . . . . .	498	1	492	2	1	2
American Indian . . . . .	60	2	1	57	-	-
Asian . . . . .	20	2	-	1	17	-
Other . . . . .	-	-	-	-	-	-
<b>30-32 weeks:</b>						
All races . . . . .	1,946	1,477	409	40	19	1
White . . . . .	1,482	1,470	4	3	5	-
Black . . . . .	412	3	405	3	-	1
American Indian . . . . .	38	4	-	34	-	-
Asian . . . . .	13	-	-	-	13	-
Other . . . . .	1	-	-	-	1	-
<b>33-35 weeks:</b>						
All races . . . . .	2,353	1,662	588	73	23	7
White . . . . .	1,676	1,651	4	13	3	5
Black . . . . .	598	6	584	4	2	2
American Indian . . . . .	60	4	-	55	1	-
Asian . . . . .	19	1	-	1	17	-
Other . . . . .	-	-	-	-	-	-
<b>36-38 weeks:</b>						
All races . . . . .	2,053	1,392	556	72	21	12
White . . . . .	1,409	1,384	2	12	4	7
Black . . . . .	567	4	553	6	1	3
American Indian . . . . .	59	3	1	54	-	1
Asian . . . . .	17	1	-	-	15	1
Other . . . . .	1	-	-	-	1	-
<b>39-41 weeks:</b>						
All races . . . . .	1,832	1,189	535	77	20	11
White . . . . .	1,216	1,186	7	11	2	10
Black . . . . .	533	1	527	5	-	-
American Indian . . . . .	63	1	-	61	-	1
Asian . . . . .	20	1	1	-	18	-
Other . . . . .	-	-	-	-	-	-
<b>42-44 weeks:</b>						
All races . . . . .	1,623	1,066	470	63	8	16
White . . . . .	1,095	1,059	9	13	-	14
Black . . . . .	476	5	461	9	-	1
American Indian . . . . .	43	2	-	41	-	-
Asian . . . . .	9	-	-	-	8	1
Other . . . . .	-	-	-	-	-	-

**Table 2. Number of responses by race of decedent on National Mortality Followback Survey questionnaire and by race on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

Race on death certificate, interval and relationship	Race on questionnaire					
	Total	White	Black	American Indian	Asian	Other
<b>45–47 weeks:</b>						
All races . . . . .	1,163	765	338	33	13	14
White. . . . .	782	756	3	10	2	11
Black. . . . .	344	4	335	2	1	2
American Indian . . . . .	26	5	—	21	—	—
Asian. . . . .	11	—	—	—	10	1
Other. . . . .	—	—	—	—	—	—
<b>48–51 weeks:</b>						
All races . . . . .	846	541	260	32	4	9
White. . . . .	550	535	3	5	1	6
Black. . . . .	262	3	257	2	—	—
American Indian . . . . .	29	3	—	25	—	1
Asian. . . . .	5	—	—	—	3	2
Other. . . . .	—	—	—	—	—	—
<b>52 weeks and longer:</b>						
All races . . . . .	811	593	171	26	9	12
White. . . . .	604	592	—	3	1	8
Black. . . . .	173	—	171	—	—	2
American Indian . . . . .	23	—	—	23	—	—
Asian. . . . .	10	—	—	—	8	2
Other. . . . .	1	1	—	—	—	—
<b>Missing:</b>						
All races . . . . .	15	14	1	—	—	—
White. . . . .	14	14	—	—	—	—
Black. . . . .	1	—	1	—	—	—
American Indian . . . . .	—	—	—	—	—	—
Asian. . . . .	—	—	—	—	—	—
Other. . . . .	—	—	—	—	—	—
<b>Relationship and race</b>						
<b>Decedent was death certificate informant's—</b>						
<b>Spouse:</b>						
All races . . . . .	6,002	4,614	1,153	148	62	25
White. . . . .	4,661	4,595	13	27	9	17
Black. . . . .	1,161	10	1,139	8	1	3
American Indian . . . . .	124	7	1	113	1	2
Asian. . . . .	53	1	—	—	49	3
Other. . . . .	3	1	—	—	2	—
<b>Parent:</b>						
All races . . . . .	1,161	779	330	40	6	6
White. . . . .	801	777	7	10	1	6
Black. . . . .	328	1	323	3	1	—
American Indian . . . . .	28	1	—	27	—	—
Asian. . . . .	4	—	—	—	4	—
Other. . . . .	—	—	—	—	—	—
<b>Child:</b>						
All races . . . . .	1,746	1,199	443	61	29	14
White. . . . .	1,217	1,194	2	9	2	10
Black. . . . .	448	2	441	2	1	2
American Indian . . . . .	52	2	—	50	—	—
Asian. . . . .	29	1	—	—	26	2
Other. . . . .	—	—	—	—	—	—
<b>Sibling:</b>						
All races . . . . .	600	345	217	29	2	7
White. . . . .	351	338	2	4	1	6
Black. . . . .	222	4	215	2	—	1
American Indian . . . . .	26	3	—	23	—	—
Asian. . . . .	1	—	—	—	1	—
Other. . . . .	—	—	—	—	—	—

**Table 2. Number of responses by race of decedent on National Mortality Followback Survey questionnaire and by race on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

Race on death certificate, interval and relationship	Race on questionnaire					
	Total	White	Black	American Indian	Asian	Other
<b>Other relative:</b>						
All races . . . . .	471	282	170	14	3	2
White . . . . .	284	280	—	1	1	2
Black . . . . .	173	1	169	3	—	—
American Indian . . . . .	11	1	—	10	—	—
Asian . . . . .	3	—	1	—	2	—
Other . . . . .	—	—	—	—	—	—
<b>Nonrelative:</b>						
All races . . . . .	384	269	90	18	4	3
White . . . . .	274	266	—	4	2	2
Black . . . . .	91	1	90	—	—	—
American Indian . . . . .	15	2	—	13	—	—
Asian . . . . .	4	—	—	1	2	1
Other . . . . .	—	—	—	—	—	—
<b>Not stated:</b>						
All races . . . . .	5,608	3,679	1,657	204	41	27
White . . . . .	3,727	3,659	12	31	7	18
Black . . . . .	1,678	9	1,644	16	2	7
American Indian . . . . .	166	8	1	156	—	1
Asian . . . . .	37	3	—	1	32	1
Other . . . . .	—	—	—	—	—	—
<b>Death certificate informant and survey respondent were—</b>						
<b>Both spouse:</b>						
All races . . . . .	5,075	3,951	943	114	50	17
White . . . . .	3,988	3,936	9	23	8	12
Black . . . . .	950	7	933	6	1	3
American Indian . . . . .	94	7	1	85	1	—
Asian . . . . .	43	1	—	—	40	2
Other . . . . .	—	—	—	—	—	—
<b>Not both spouse:</b>						
All races . . . . .	10,346	6,837	2,972	383	89	65
White . . . . .	6,947	6,798	26	61	13	49
Black . . . . .	2,999	18	2,944	26	3	8
American Indian . . . . .	315	17	1	294	—	3
Asian . . . . .	82	3	1	2	71	5
Other . . . . .	3	1	—	—	2	—
<b>Not stated:</b>						
All races . . . . .	551	379	145	17	8	2
White . . . . .	380	375	1	2	2	—
Black . . . . .	152	3	144	2	1	2
American Indian . . . . .	13	—	—	13	—	—
Asian . . . . .	6	1	—	—	5	—
Other . . . . .	—	—	—	—	—	—

NOTES: Oregon, Nebraska, Nevada, and New Mexico were excluded from the comparability analysis in this report because Oregon's confidentiality requirements precluded its participation in the 1986 National Mortality Followback Survey, and the primary matching criteria could not be applied for the other three States because they reissue death certificate numbers after the processing of the Current Mortality Sample.

Multiple entries of race on the questionnaire were classified in the following way to correspond with the coding of similar entries on the death certificate: American Indian and white (two cases) were classified as American Indian. Asian and white (one case) was classified as Asian. Black and white (one case) was classified as black. There were five cases in which three or more races were given on the questionnaire; these were classified as "other."



**Table 3. Number of responses by Hispanic origin of decedent on National Mortality Followback Survey questionnaire and by race and Hispanic origin on death certificate, interval between death and survey, and relationship of Informant to decedent: United States, 1986**

<i>Race and Hispanic origin on death certificate, interval, and relationship</i>	<i>Total</i>	<i>Origin on questionnaire</i>	
		<i>Hispanic origin</i>	<i>Non-Hispanic</i>
<b>Race and Hispanic origin</b>			
All races:			
All origins . . . . .	6,990	366	6,624
Hispanic . . . . .	306	297	9
Non-Hispanic . . . . .	6,684	69	6,615
White:			
All origins . . . . .	5,129	338	4,791
Hispanic origin . . . . .	301	294	7
Non-Hispanic . . . . .	4,828	44	4,784
Black:			
All origins . . . . .	1,606	11	1,595
Hispanic origin . . . . .	1	1	—
Non-Hispanic . . . . .	1,605	10	1,595
American Indian:			
All origins . . . . .	159	10	149
Hispanic origin . . . . .	1	1	—
Non-Hispanic . . . . .	158	9	149
Other:			
All origins . . . . .	96	7	89
Hispanic origin . . . . .	3	1	2
Non-Hispanic . . . . .	93	6	87
<b>Interval and Hispanic origin</b>			
22–25 weeks:			
All origins . . . . .	407	14	393
Hispanic origin . . . . .	11	10	1
Non-Hispanic . . . . .	396	4	392
26–29 weeks:			
All origins . . . . .	851	36	815
Hispanic origin . . . . .	30	30	—
Non-Hispanic . . . . .	821	6	815
30–32 weeks:			
All origins . . . . .	783	29	754
Hispanic origin . . . . .	22	22	—
Non-Hispanic . . . . .	761	7	754
33–35 weeks:			
All origins . . . . .	943	31	912
Hispanic origin . . . . .	29	28	1
Non-Hispanic . . . . .	914	3	911
36–38 weeks:			
All origins . . . . .	892	41	851
Hispanic origin . . . . .	36	34	2
Non-Hispanic . . . . .	856	7	849
39–41 weeks:			
All origins . . . . .	823	51	772
Hispanic origin . . . . .	40	40	—
Non-Hispanic . . . . .	783	11	772
42–44 weeks:			
All origins . . . . .	741	45	696
Hispanic origin . . . . .	41	39	2
Non-Hispanic . . . . .	700	6	694
45–47 weeks:			
All origins . . . . .	540	38	502
Hispanic origin . . . . .	29	29	—
Non-Hispanic . . . . .	511	9	502
48–51 weeks:			
All origins . . . . .	425	31	394
Hispanic origin . . . . .	24	22	2
Non-Hispanic . . . . .	401	9	392

**Table 3. Number of responses by Hispanic origin of decedent on National Mortality Followback Survey questionnaire and by race and Hispanic origin on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

<i>Race and Hispanic origin on death certificate, interval, and relationship</i>	<i>Total</i>	<i>Origin on questionnaire</i>	
		<i>Hispanic origin</i>	<i>Non-Hispanic</i>
<b>52 weeks and longer:</b>			
All origins . . . . .	580	50	530
Hispanic origin . . . . .	44	43	1
Non-Hispanic . . . . .	536	7	529
<b>Missing:</b>			
All origins . . . . .	5	—	5
Hispanic . . . . .	—	—	—
Non-Hispanic . . . . .	5	—	5
<b>Relationship and Hispanic origin</b>			
<b>Decedent was death certificate informant's—</b>			
<b>Spouse:</b>			
All origins . . . . .	2,625	129	2,496
Hispanic origin . . . . .	113	110	3
Non-Hispanic . . . . .	2,512	19	2,493
<b>Parent:</b>			
All origins . . . . .	542	39	503
Hispanic origin . . . . .	31	31	—
Non-Hispanic . . . . .	511	8	503
<b>Child:</b>			
All origins . . . . .	1,087	58	1,029
Hispanic origin . . . . .	45	45	—
Non-Hispanic . . . . .	1,042	13	1,029
<b>Sibling:</b>			
All origins . . . . .	333	32	301
Hispanic origin . . . . .	28	27	1
Non-Hispanic . . . . .	305	5	300
<b>Other relative:</b>			
All origins . . . . .	293	11	282
Hispanic origin . . . . .	9	9	—
Non-Hispanic . . . . .	284	2	282
<b>Nonrelative:</b>			
All origins . . . . .	271	21	250
Hispanic origin . . . . .	18	17	1
Non-Hispanic . . . . .	253	4	249
<b>Not stated:</b>			
All origins . . . . .	1,839	76	1,763
Hispanic origin . . . . .	62	58	4
Non-Hispanic . . . . .	1,777	18	1,759
<b>Death certificate informant and survey respondent were—</b>			
<b>Both spouse:</b>			
All origins . . . . .	2,199	95	2,104
Hispanic origin . . . . .	85	83	2
Non-Hispanic . . . . .	2,114	12	2,102
<b>Not both spouse:</b>			
All origins . . . . .	4,554	253	4,301
Hispanic origin . . . . .	208	201	7
Non-Hispanic . . . . .	4,346	52	4,294
<b>Not stated:</b>			
All origins . . . . .	237	18	219
Hispanic origin . . . . .	13	13	—
Non-Hispanic . . . . .	224	5	219

NOTE: Oregon, Nebraska, Nevada, and New Mexico were excluded from the comparability analysis in this report because Oregon's confidentiality requirements precluded its participation in the 1986 National Mortality Followback Survey, and the primary matching criteria could not be applied for the other three States because they reissue death certificate numbers after the processing of the Current Mortality Sample.

**Table 4. Number of responses by marital status of decedent on National Mortality Followback Survey questionnaire and by race and marital status on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986**

<i>Race and marital status on death certificate, interval, and relationship</i>	<i>Total</i>	<i>Marital status on questionnaire</i>			
		<i>Married</i>	<i>Widowed</i>	<i>Divorced</i>	<i>Never married</i>
<b>Race and marital status</b>					
<b>All races:</b>					
All marital statuses . . . . .	15,865	7,776	4,522	1,689	1,878
Married . . . . .	7,592	7,470	29	68	25
Widowed . . . . .	4,753	125	4,426	163	39
Divorced . . . . .	1,600	124	52	1,393	31
Never married . . . . .	1,920	57	15	65	1,783
<b>White:</b>					
All marital statuses . . . . .	11,280	5,736	3,139	1,196	1,209
Married . . . . .	5,660	5,602	17	31	10
Widowed . . . . .	3,229	50	3,088	80	11
Divorced . . . . .	1,144	62	28	1,038	16
Never married . . . . .	1,247	22	6	47	1,172
<b>Black:</b>					
All marital statuses . . . . .	4,040	1,780	1,229	427	604
Married . . . . .	1,683	1,623	12	34	14
Widowed . . . . .	1,359	72	1,186	74	27
Divorced . . . . .	394	57	22	302	13
Never married . . . . .	604	28	9	17	550
<b>American Indian:</b>					
All marital statuses . . . . .	411	176	126	56	53
Married . . . . .	167	164	—	3	—
Widowed . . . . .	134	1	124	8	1
Divorced . . . . .	53	5	2	44	2
Never married . . . . .	57	6	—	1	50
<b>Other:</b>					
All marital statuses . . . . .	134	84	28	10	12
Married . . . . .	82	81	—	—	1
Widowed . . . . .	31	2	28	1	—
Divorced . . . . .	9	—	—	9	—
Never married . . . . .	12	1	—	—	11
<b>Interval and marital status</b>					
<b>22–25 weeks:</b>					
All marital statuses . . . . .	1,086	544	323	102	117
Married . . . . .	537	532	2	3	—
Widowed . . . . .	338	3	318	16	1
Divorced . . . . .	89	6	3	79	1
Never married . . . . .	122	3	—	4	115
<b>26–29 weeks:</b>					
All marital statuses . . . . .	2,235	1,132	659	214	230
Married . . . . .	1,116	1,109	2	3	2
Widowed . . . . .	682	7	652	20	3
Divorced . . . . .	205	10	4	189	2
Never married . . . . .	232	6	1	2	223
<b>30–32 weeks:</b>					
All marital statuses . . . . .	1,937	988	553	190	206
Married . . . . .	959	950	2	6	1
Widowed . . . . .	589	21	547	18	3
Divorced . . . . .	180	13	4	163	—
Never married . . . . .	209	4	—	3	202
<b>33–35 weeks:</b>					
All marital statuses . . . . .	2,341	1,169	677	211	284
Married . . . . .	1,144	1,136	3	4	1
Widowed . . . . .	708	16	667	20	5
Divorced . . . . .	203	11	6	182	4
Never married . . . . .	286	6	1	5	274

**Table 4. Number of responses by marital status of decedent on National Mortality Followback Survey questionnaire and by race and marital status on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

<i>Race and marital status on death certificate, interval, and relationship</i>	<i>Marital status on questionnaire</i>				
	<i>Total</i>	<i>Married</i>	<i>Widowed</i>	<i>Divorced</i>	<i>Never married</i>
<b>36–38 weeks:</b>					
All marital statuses . . . . .	2,043	1,013	560	232	238
Married . . . . .	990	969	8	8	5
Widowed . . . . .	593	20	546	22	5
Divorced . . . . .	213	17	4	190	2
Never married . . . . .	247	7	2	12	226
<b>39–41 weeks:</b>					
All marital statuses . . . . .	1,819	854	518	222	225
Married . . . . .	837	814	4	13	6
Widowed . . . . .	542	18	501	14	9
Divorced . . . . .	203	11	9	181	2
Never married . . . . .	237	11	4	14	208
<b>42–44 weeks:</b>					
All marital statuses . . . . .	1,605	749	473	193	190
Married . . . . .	728	706	2	13	7
Widowed . . . . .	505	19	461	21	4
Divorced . . . . .	186	18	7	154	7
Never married . . . . .	186	6	3	5	172
<b>45–47 weeks:</b>					
All marital statuses . . . . .	1,152	553	309	144	146
Married . . . . .	534	518	3	11	2
Widowed . . . . .	323	12	298	11	2
Divorced . . . . .	140	16	7	113	4
Never married . . . . .	155	7	1	9	138
<b>48–51 weeks:</b>					
All marital statuses . . . . .	833	399	226	95	113
Married . . . . .	377	371	2	3	1
Widowed . . . . .	243	8	221	9	5
Divorced . . . . .	96	16	2	76	2
Never married . . . . .	117	4	1	7	105
<b>52 weeks and longer:</b>					
All marital statuses . . . . .	799	366	219	85	129
Married . . . . .	361	356	1	4	—
Widowed . . . . .	225	1	210	12	2
Divorced . . . . .	84	6	6	65	7
Never married . . . . .	129	3	2	4	120
<b>Missing:</b>					
All marital statuses . . . . .	15	9	5	1	—
Married . . . . .	9	9	—	—	—
Widowed . . . . .	5	—	5	—	—
Divorced . . . . .	1	—	—	1	—
<b>Relationship and marital status</b>					
<b>Decedent was death certificate informant's—</b>					
<b>Spouse:</b>					
All marital statuses . . . . .	6,007	5,939	26	29	13
Married . . . . .	5,964	5,930	8	22	4
Widowed . . . . .	23	5	18	—	—
Divorced . . . . .	8	1	—	7	—
Never married . . . . .	12	3	—	—	9
<b>Parent:</b>					
All marital statuses . . . . .	1,146	185	51	307	603
Married . . . . .	147	138	1	4	4
Widowed . . . . .	57	8	46	3	—
Divorced . . . . .	323	24	3	284	12
Never married . . . . .	619	15	1	16	587

**Table 4. Number of responses by marital status of decedent on National Mortality Followback Survey questionnaire and by race and marital status on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

<i>Race and marital status on death certificate, interval, and relationship</i>	<i>Marital status on questionnaire</i>				
	<i>Total</i>	<i>Married</i>	<i>Widowed</i>	<i>Divorced</i>	<i>Never married</i>
<b>Child:</b>					
All marital statuses . . . . .	1,755	289	1,168	260	38
Married . . . . .	252	241	7	3	1
Widowed . . . . .	1,198	24	1,145	24	5
Divorced . . . . .	267	23	16	226	2
Never married . . . . .	38	1	—	7	30
<b>Sibling:</b>					
All marital statuses . . . . .	594	81	126	129	258
Married . . . . .	67	60	—	4	3
Widowed . . . . .	143	10	123	7	3
Divorced . . . . .	120	5	1	112	2
Never married . . . . .	264	6	2	6	250
<b>Other relative:</b>					
All marital statuses . . . . .	469	63	249	52	105
Married . . . . .	49	46	—	3	—
Widowed . . . . .	261	10	240	9	2
Divorced . . . . .	42	2	5	35	—
Never married . . . . .	117	5	4	5	103
<b>Nonrelative:</b>					
All marital statuses . . . . .	366	83	115	78	90
Married . . . . .	73	68	—	4	1
Widowed . . . . .	130	4	112	9	5
Divorced . . . . .	70	7	3	59	1
Never married . . . . .	93	4	—	6	83
<b>Not stated:</b>					
All marital statuses . . . . .	5,528	1,136	2,787	834	771
Married . . . . .	1,040	987	13	28	12
Widowed . . . . .	2,941	64	2,742	111	24
Divorced . . . . .	770	62	24	670	14
Never married . . . . .	777	23	8	25	721
<b>Death certificate informant and survey respondent were—</b>					
<b>Both spouse:</b>					
All marital statuses . . . . .	5,083	5,069	3	11	—
Married . . . . .	5,073	5,060	3	10	—
Widowed . . . . .	5	5	—	—	—
Divorced . . . . .	2	1	—	1	—
Never married . . . . .	3	3	—	—	—
<b>Not both spouse:</b>					
All marital statuses . . . . .	10,238	2,217	4,495	1,655	1,871
Married . . . . .	2,042	1,935	26	56	25
Widowed . . . . .	4,721	117	4,402	163	39
Divorced . . . . .	1,568	114	52	1,371	31
Never married . . . . .	1,907	51	15	65	1,776
<b>Not stated:</b>					
All marital statuses . . . . .	544	490	24	23	7
Married . . . . .	477	475	—	2	—
Widowed . . . . .	27	3	24	—	—
Divorced . . . . .	30	9	—	21	—
Never married . . . . .	10	3	—	—	7

NOTE: Oregon, Nebraska, Nevada, and New Mexico were excluded from the comparability analysis in this report because Oregon's confidentiality requirements precluded its participation in the 1986 National Mortality Followback Survey, and the primary matching criteria could not be applied for the other three States because they reissue death certificate numbers after the processing of the Current Mortality Sample.

**Table 5. Number of responses by occupation of decedent on National Mortality Followback Survey questionnaire and by race and occupation on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986**

<i>Race and occupation on death certificate, interval, and relationship</i>	<i>Occupation on questionnaire</i>							
	<i>Total</i>	<i>Managerial and professional</i>	<i>Technical, sales, and administrative</i>	<i>Service</i>	<i>Farming</i>	<i>Production, craft, and repair</i>	<i>Operators, fabricators, and laborers</i>	<i>Armed Forces</i>
<b>Race and occupation</b>								
<b>All races:</b>								
All occupations . . . . .	2,665	342	454	398	264	404	738	65
Managerial and professional . . .	467	269	91	35	9	29	26	8
Technical, sales, and administrative . . . . .	428	37	304	22	8	20	33	4
Service . . . . .	393	12	13	298	15	11	38	6
Farming . . . . .	227	4	1	5	186	9	21	1
Production, craft, and repair . . .	384	7	10	8	9	267	76	7
Operators, fabricators, and laborers . . . . .	730	12	29	30	37	66	542	14
Armed Forces . . . . .	36	1	6	—	—	2	2	25
<b>White:</b>								
All occupations . . . . .	1,923	282	388	192	172	340	499	50
Managerial and professional . . .	394	226	82	22	8	28	21	7
Technical, sales, and administrative . . . . .	372	31	268	17	8	17	27	4
Service . . . . .	189	7	8	131	5	9	25	4
Farming . . . . .	154	2	—	4	127	9	12	—
Production, craft, and repair . . .	325	7	10	6	8	228	60	6
Operators, fabricators, and laborers . . . . .	459	8	16	12	16	48	352	7
Armed Forces . . . . .	30	1	—	—	—	1	2	22
<b>Black:</b>								
All occupations . . . . .	670	51	59	198	79	54	215	14
Managerial and professional . . .	62	38	6	12	—	1	4	1
Technical, sales, and administrative . . . . .	49	4	34	5	—	1	5	—
Service . . . . .	195	5	5	161	8	2	12	2
Farming . . . . .	64	2	1	1	51	—	8	1
Production, craft, and repair . . .	48	—	—	1	1	33	12	1
Operators, fabricators, and laborers . . . . .	247	2	11	18	19	16	174	7
Armed Forces . . . . .	5	—	2	—	—	1	—	2
<b>American Indian:</b>								
All occupations . . . . .	64	8	6	6	11	10	23	—
Managerial and professional . . .	8	5	2	—	—	—	1	—
Technical, sales, and administrative . . . . .	7	2	2	—	—	2	1	—
Service . . . . .	7	—	—	5	1	—	1	—
Farming . . . . .	9	—	—	—	8	—	1	—
Production, craft, and repair . . .	10	—	—	1	—	6	3	—
Operators, fabricators, and laborers . . . . .	23	1	2	—	2	2	16	—
Armed Forces . . . . .	—	—	—	—	—	—	—	—
<b>Other:</b>								
All occupations . . . . .	8	1	1	2	2	—	1	1
Managerial and professional . . .	3	—	1	1	1	—	—	—
Technical, sales, and administrative . . . . .	—	—	—	—	—	—	—	—
Service . . . . .	2	—	—	1	1	—	—	—
Farming . . . . .	—	—	—	—	—	—	—	—
Production, craft, and repair . . .	1	—	—	—	—	—	1	—
Operators, fabricators, and laborers . . . . .	1	1	—	—	—	—	—	—
Armed Forces . . . . .	1	—	—	—	—	—	—	1

**Table 5. Number of responses by occupation of decedent on National Mortality Followback Survey questionnaire and by race and occupation on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

<i>Race and occupation on death certificate, interval, and relationship</i>	<i>Occupation on questionnaire</i>							
	<i>Total</i>	<i>Managerial and professional</i>	<i>Technical, sales, and administrative</i>	<i>Service</i>	<i>Farming</i>	<i>Production, craft, and repair</i>	<i>Operators, fabricators, and laborers</i>	<i>Armed Forces</i>
<b>Interval and occupation</b>								
<b>22–25 weeks:</b>								
All occupations . . . . .	214	32	37	26	27	29	56	7
Managerial and professional . . .	45	25	10	4	—	2	3	1
Technical, sales, and administrative . . . . .	32	5	21	1	1	1	3	—
Service . . . . .	23	1	—	17	1	1	2	1
Farming . . . . .	24	—	—	—	21	1	2	—
Production, craft, and repair . . .	33	—	2	1	1	22	6	1
Operators, fabricators, and laborers . . . . .	53	1	3	3	3	2	40	1
Armed Forces . . . . .	4	—	1	—	—	—	—	3
<b>26–29 weeks:</b>								
All occupations . . . . .	469	60	82	65	41	66	141	14
Managerial and professional . . .	77	44	13	4	2	8	3	3
Technical, sales, and administrative . . . . .	77	8	59	2	2	4	2	—
Service . . . . .	71	2	3	54	1	4	5	2
Farming . . . . .	38	2	—	3	29	—	4	—
Production, craft, and repair . . .	67	1	2	1	2	41	20	—
Operators, fabricators, and laborers . . . . .	132	3	4	1	5	9	107	3
Armed Forces . . . . .	7	—	1	—	—	—	—	6
<b>30–32 weeks:</b>								
All occupations . . . . .	349	47	55	46	41	60	91	9
Managerial and professional . . .	74	42	12	8	1	6	4	1
Technical, sales, and administrative . . . . .	54	3	33	7	2	3	6	—
Service . . . . .	43	2	2	28	1	1	8	1
Farming . . . . .	32	—	—	—	29	1	2	—
Production, craft, and repair . . .	53	—	2	1	—	38	12	—
Operators, fabricators, and laborers . . . . .	88	—	5	2	8	11	59	3
Armed Forces . . . . .	5	—	1	—	—	—	—	4
<b>33–35 weeks:</b>								
All occupations . . . . .	426	65	88	56	36	63	113	5
Managerial and professional . . .	86	52	19	7	2	3	2	1
Technical, sales, and administrative . . . . .	82	6	62	1	1	3	9	—
Service . . . . .	61	5	3	43	3	—	7	—
Farming . . . . .	29	—	—	1	23	3	2	—
Production, craft, and repair . . .	63	—	—	2	—	50	10	1
Operators, fabricators, and laborers . . . . .	103	2	4	2	7	4	83	1
Armed Forces . . . . .	2	—	—	—	—	—	—	2
<b>36–38 weeks:</b>								
All occupations . . . . .	368	40	70	57	39	53	96	13
Managerial and professional . . .	54	28	14	3	1	3	3	2
Technical, sales, and administrative . . . . .	60	4	49	2	—	1	2	2
Service . . . . .	52	1	1	44	1	—	4	1
Farming . . . . .	38	1	—	—	28	3	5	1
Production, craft, and repair . . .	51	3	2	—	3	34	7	2
Operators, fabricators, and laborers . . . . .	110	3	4	8	6	12	74	3
Armed Forces . . . . .	3	—	—	—	—	—	1	2

**Table 5. Number of responses by occupation of decedent on National Mortality Followback Survey questionnaire and by race and occupation on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

<i>Race and occupation on death certificate, interval, and relationship</i>	<i>Total</i>	<i>Occupation on questionnaire</i>						
		<i>Managerial and professional</i>	<i>Technical, sales, and administrative</i>	<i>Service</i>	<i>Farming</i>	<i>Production, craft, and repair</i>	<i>Operators, fabricators, and laborers</i>	<i>Armed Forces</i>
<b>39–41 weeks:</b>								
All occupations . . . . .	276	31	46	47	29	45	72	6
Managerial and professional . . .	43	23	10	3	2	1	4	—
Technical sales, and administrative . . . . .	41	6	28	3	1	2	1	—
Service . . . . .	54	—	2	39	2	3	7	1
Farming . . . . .	21	1	—	—	20	—	—	—
Production, craft, and repair . . .	38	—	2	—	—	25	11	—
Operators, fabricators, and laborers . . . . .	72	—	3	2	4	12	49	2
Armed Forces . . . . .	7	1	1	—	—	2	—	3
<b>42–44 weeks:</b>								
All occupations . . . . .	242	26	38	44	23	40	69	2
Managerial and professional . . .	31	22	3	3	—	2	1	—
Technical, sales, and administrative . . . . .	43	2	30	4	1	3	3	—
Service . . . . .	37	—	—	30	3	1	3	—
Farming . . . . .	21	—	1	1	17	—	2	—
Production, craft, and repair . . .	31	1	—	1	1	27	1	—
Operators, fabricators and laborers . . . . .	76	1	3	5	1	7	59	—
Armed Forces . . . . .	3	—	1	—	—	—	—	2
<b>45–47 weeks:</b>								
All occupations . . . . .	167	21	20	23	16	34	50	3
Managerial and professional . . .	28	15	5	—	1	3	4	—
Technical, sales, and administrative . . . . .	21	2	12	1	—	1	4	1
Service . . . . .	28	1	1	21	2	1	2	—
Farming . . . . .	12	—	—	—	11	—	1	—
Production, craft, and repair . . .	29	1	—	—	—	23	4	1
Operators, fabricators, and laborers . . . . .	47	2	1	1	2	6	35	—
Armed Forces . . . . .	2	—	1	—	—	—	—	1
<b>48–51 weeks:</b>								
All occupations . . . . .	110	12	14	27	9	7	37	4
Managerial and professional . . .	22	12	5	3	—	—	2	—
Technical, sales, and administrative . . . . .	13	—	7	1	—	2	2	1
Service . . . . .	18	—	—	17	1	—	—	—
Farming . . . . .	6	—	—	—	6	—	—	—
Production, craft, and repair . . .	10	—	—	2	1	3	3	1
Operators, fabricators, and laborers . . . . .	39	—	2	4	1	2	30	—
Armed Forces . . . . .	2	—	—	—	—	—	—	2
<b>52 weeks and longer:</b>								
All occupations . . . . .	40	7	4	7	3	6	11	2
Managerial and professional . . .	5	5	—	—	—	—	—	—
Technical, sales, and administrative . . . . .	5	1	3	—	—	—	1	—
Service . . . . .	6	—	1	5	—	—	—	—
Farming . . . . .	6	—	—	—	2	1	3	—
Production, craft, and repair . . .	8	1	—	—	1	4	1	1
Operators, fabricators, and laborers . . . . .	9	—	—	2	—	1	5	1
Armed Forces . . . . .	1	—	—	—	—	—	1	—
<b>Missing:</b>								
All occupations . . . . .	4	1	—	—	—	1	2	—
Managerial and professional . . .	2	1	—	—	—	1	—	—
Technical, sales, and administrative . . . . .	—	—	—	—	—	—	—	—



**Table 5. Number of responses by occupation of decedent on National Mortality Followback Survey questionnaire and by race and occupation on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

<i>Race and occupation on death certificate, interval, and relationship</i>	<i>Occupation on questionnaire</i>							
	<i>Total</i>	<i>Managerial and professional</i>	<i>Technical, sales, and administrative</i>	<i>Service</i>	<i>Farming</i>	<i>Production, craft, and repair</i>	<i>Operators, fabricators, and laborers</i>	<i>Armed Forces</i>
Service . . . . .	—	—	—	—	—	—	—	—
Farming . . . . .	—	—	—	—	—	—	—	—
Production, craft, and repair . . .	1	—	—	—	—	—	1	—
Operators, fabricators, and laborers . . . . .	1	—	—	—	—	—	1	—
Armed Forces . . . . .	—	—	—	—	—	—	—	—
<b>Relationship and occupation</b>								
<b>Decedent was death certificate informant's—</b>								
<b>Spouse:</b>								
All occupations . . . . .	1,222	173	212	119	108	220	356	34
Managerial and professional . . .	228	132	49	11	3	18	12	3
Technical, sales, and administrative . . . . .	200	19	134	6	6	11	21	3
Service . . . . .	127	8	7	88	2	4	16	2
Farming . . . . .	94	2	1	2	78	4	7	—
Production, craft, and repair . . .	219	4	6	4	4	149	48	4
Operators, fabricators, and laborers . . . . .	334	8	14	8	15	33	252	4
Armed Forces . . . . .	20	—	1	—	—	1	—	18
<b>Parent:</b>								
All occupations . . . . .	212	18	31	30	12	34	76	11
Managerial and professional . . .	30	13	6	2	1	4	2	2
Technical, sales, and administrative . . . . .	27	4	18	2	—	—	2	1
Service . . . . .	29	—	2	20	—	1	3	3
Farming . . . . .	13	—	—	1	9	—	3	—
Production, craft, and repair . . .	32	—	1	1	1	22	6	1
Operators, fabricators, and laborers . . . . .	79	1	2	4	1	7	60	4
Armed Forces . . . . .	2	—	2	—	—	—	—	—
<b>Child:</b>								
All occupations . . . . .	171	21	37	36	23	16	36	2
Managerial and professional . . .	28	16	6	4	—	1	1	—
Technical, sales, and administrative . . . . .	32	2	24	4	—	—	2	—
Service . . . . .	36	1	2	25	4	2	2	—
Farming . . . . .	21	—	—	—	18	1	2	—
Production, craft, and repair . . .	17	1	—	1	1	8	6	—
Operators, fabricators, and laborers . . . . .	33	1	2	2	—	4	23	1
Armed Forces . . . . .	4	—	3	—	—	—	—	1
<b>Sibling:</b>								
All occupations . . . . .	78	7	6	18	6	14	27	—
Managerial and professional . . .	8	5	—	1	—	1	1	—
Technical, sales, and administrative . . . . .	8	1	5	1	—	—	1	—
Service . . . . .	19	1	—	15	1	—	2	—
Farming . . . . .	7	—	—	—	3	—	4	—
Production, craft, and repair . . .	12	—	—	1	—	10	1	—
Operators, fabricators, and laborers . . . . .	24	—	1	—	2	3	18	—
Armed Forces . . . . .	—	—	—	—	—	—	—	—
<b>Other relative:</b>								
All occupations . . . . .	53	7	11	10	12	2	10	1
Managerial and professional . . .	9	6	2	—	1	—	—	—
Technical, sales, and administrative . . . . .	9	1	8	—	—	—	—	—
Service . . . . .	9	—	—	9	—	—	—	—
Farming . . . . .	10	—	—	—	9	—	1	—

**Table 5. Number of responses by occupation of decedent on National Mortality Followback Survey questionnaire and by race and occupation on death certificate, interval between death and survey, and relationship of Informant to decedent: United States, 1986—Con.**

<i>Race and occupation on death certificate, interval, and relationship</i>	<i>Occupation on questionnaire</i>							
	<i>Total</i>	<i>Managerial and professional</i>	<i>Technical, sales, and administrative</i>	<i>Service</i>	<i>Farming</i>	<i>Production, craft, and repair</i>	<i>Operators, fabricators, and laborers</i>	<i>Armed Forces</i>
Production, craft, and repair . . .	3	—	—	—	—	2	1	—
Operators, fabricators, and laborers . . . . .	12	—	1	1	2	—	8	—
Armed Forces . . . . .	1	—	—	—	—	—	—	1
<b>Nonrelative:</b>								
All occupations . . . . .	29	4	7	7	1	2	7	1
Managerial and professional . . .	8	2	3	2	1	—	—	—
Technical, sales, and administrative . . . . .	5	1	4	—	—	—	—	—
Service . . . . .	4	—	—	4	—	—	—	—
Farming . . . . .	—	—	—	—	—	—	—	—
Production, craft, and repair . . .	2	1	—	—	—	1	—	—
Operators, fabricators, and laborers . . . . .	9	—	—	1	—	1	7	—
Armed Forces . . . . .	1	—	—	—	—	—	—	1
<b>Not stated:</b>								
All occupations . . . . .	900	112	150	178	102	116	226	16
Managerial and professional . . .	156	95	25	15	3	5	10	3
Technical, sales, and administrative . . . . .	147	9	111	9	2	9	7	—
Service . . . . .	169	2	2	137	8	4	15	1
Farming . . . . .	82	2	—	2	69	4	4	1
Production, craft, and repair . . .	99	1	3	1	3	75	14	2
Operators, fabricators, and laborers . . . . .	239	2	9	14	17	18	174	5
Armed Forces . . . . .	8	1	—	—	—	1	2	4
<b>Death certificate informant and survey respondent were—</b>								
<b>Both spouse:</b>								
All occupations . . . . .	1,058	159	185	94	93	183	313	31
Managerial and professional . . .	208	121	46	9	2	15	12	3
Technical, sales, and administrative . . . . .	169	17	113	5	6	7	18	3
Service . . . . .	103	8	7	69	1	4	12	2
Farming . . . . .	80	2	1	2	67	3	5	—
Production, craft, and repair . . .	190	4	5	3	4	128	44	2
Operators, fabricators, and laborers . . . . .	289	7	12	6	13	25	222	4
Armed Forces . . . . .	19	—	1	—	—	1	—	17
<b>Not both spouse:</b>								
All occupations . . . . .	1,537	175	260	298	163	202	407	32
Managerial and professional . . .	249	140	44	25	7	14	14	5
Technical, sales, and administrative . . . . .	253	20	186	16	2	13	15	1
Service . . . . .	283	4	5	225	14	6	25	4
Farming . . . . .	141	2	—	3	115	6	14	1
Production, craft, and repair . . .	173	3	4	5	4	124	29	4
Operators, fabricators, and laborers . . . . .	423	5	16	24	21	39	309	9
Armed Forces . . . . .	15	1	5	—	—	—	1	8
<b>Not stated:</b>								
All occupations . . . . .	70	8	9	6	8	19	18	2
Managerial and professional . . .	10	8	1	1	—	—	—	—
Technical, sales, and administrative . . . . .	6	—	5	1	—	—	—	—
Service . . . . .	7	—	1	4	—	1	1	—
Farming . . . . .	6	—	—	—	4	—	2	—
Production, craft, and repair . . .	21	—	1	—	1	15	3	1
Operators, fabricators, and laborers . . . . .	18	—	1	—	3	2	11	1
Armed Forces . . . . .	2	—	—	—	—	1	1	—

NOTE: Oregon, Nebraska, Nevada, and New Mexico were excluded from the comparability analysis in this report because Oregon's confidentiality requirements precluded its participation in the 1988 National Mortality Followback Survey, and the primary matching criteria could not be applied for the other three States because they reissue death certificate numbers after the processing of the Current Mortality Sample.

**Table 6. Number of responses by industry of decedent on National Mortality Followback Survey questionnaire and by race and industry on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986**

Race and industry on death certificate, interval and relationship	Industry on questionnaire										
	Total	Agriculture	Mining	Construction	Manufacturing	Transportation, communication, and utilities	Trade	Finance, insurance, and real estate	Services	Public administration	Armed Forces
Race and industry											
All races:											
All industries . . . . .	2,602	233	51	254	637	234	349	81	573	124	66
Agriculture . . . . .	218	171	—	7	22	3	5	—	9	—	1
Mining . . . . .	44	2	35	1	2	1	—	—	3	—	—
Construction . . . . .	245	9	1	182	21	11	4	—	6	5	6
Manufacturing . . . . .	648	13	8	16	499	15	44	4	32	7	10
Transportation, communication, and utilities . . . . .	234	5	1	7	15	176	10	1	8	4	7
Trade . . . . .	329	9	3	12	32	8	229	2	27	3	4
Finance, insurance, and real estate . . . . .	87	—	—	2	3	2	7	64	4	4	1
Services . . . . .	629	19	1	15	37	12	44	8	472	15	6
Public administration . . . . .	130	5	2	8	6	5	6	2	10	81	5
Armed Forces . . . . .	38	—	—	4	—	1	—	—	2	5	26
White:											
All industries . . . . .	1,893	158	46	191	491	176	276	68	346	90	51
Agriculture . . . . .	153	118	—	6	17	2	3	—	7	—	—
Mining . . . . .	41	2	32	1	2	1	—	—	3	—	—
Construction . . . . .	169	4	—	133	14	6	3	—	3	1	5
Manufacturing . . . . .	502	10	7	10	387	13	36	4	24	4	7
Transportation, communication, and utilities . . . . .	178	4	1	3	11	136	8	—	6	4	5
Trade . . . . .	264	8	3	12	25	5	186	2	19	2	2
Finance, insurance, and real estate . . . . .	70	—	—	2	2	1	5	54	3	2	1
Services . . . . .	387	9	1	12	29	8	31	7	275	10	5
Public administration . . . . .	97	3	2	8	4	3	4	1	5	63	4
Armed Forces . . . . .	32	—	—	4	—	1	—	—	1	4	22
Black:											
All industries . . . . .	638	63	3	55	129	54	69	11	214	26	14
Agriculture . . . . .	57	46	—	1	5	—	2	—	2	—	1
Mining . . . . .	2	—	2	—	—	—	—	—	—	—	—
Construction . . . . .	64	5	—	41	6	5	1	—	3	2	1
Manufacturing . . . . .	130	2	1	6	99	2	8	—	7	2	3
Transportation, communication, and utilities . . . . .	53	1	—	4	3	38	2	1	2	—	2
Trade . . . . .	61	1	—	—	7	3	40	—	8	—	2
Finance, insurance, and real estate . . . . .	14	—	—	—	1	1	1	8	1	2	—
Services . . . . .	226	8	—	3	7	3	13	1	187	3	1
Public administration . . . . .	26	—	—	—	1	2	2	1	3	16	1
Armed Forces . . . . .	5	—	—	—	—	—	—	—	1	1	3
American Indian:											
All industries . . . . .	62	10	2	8	15	3	4	1	12	7	—
Agriculture . . . . .	8	7	—	—	—	1	—	—	—	—	—
Mining . . . . .	1	—	1	—	—	—	—	—	—	—	—
Construction . . . . .	12	—	1	8	1	—	—	—	—	2	—
Manufacturing . . . . .	14	1	—	—	12	—	—	—	1	—	—
Transportation, communication, and utilities . . . . .	3	—	—	—	1	2	—	—	—	—	—
Trade . . . . .	4	—	—	—	—	—	3	—	—	1	—
Finance, insurance, and real estate . . . . .	2	—	—	—	—	—	1	1	—	—	—
Services . . . . .	12	1	—	—	—	—	—	—	9	2	—
Public administration . . . . .	6	1	—	—	1	—	—	—	2	2	—
Armed Forces . . . . .	—	—	—	—	—	—	—	—	—	—	—

**Table 6. Number of responses by industry of decedent on National Mortality Followback Survey questionnaire and by race and industry on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

Race and industry on death certificate, interval and relationship	Industry on questionnaire										
	Total	Agriculture	Mining	Construction	Manufacturing	Transportation, communication, and utilities	Trade	Finance, insurance, and real estate	Services	Public administration	Armed Forces
<b>Other:</b>											
All industries . . . . .	9	2	—	—	2	1	—	1	1	1	1
Agriculture . . . . .	—	—	—	—	—	—	—	—	—	—	—
Mining . . . . .	—	—	—	—	—	—	—	—	—	—	—
Construction . . . . .	—	—	—	—	—	—	—	—	—	—	—
Manufacturing . . . . .	2	—	—	—	1	—	—	—	—	1	—
Transportation, communication, and utilities . . . . .	—	—	—	—	—	—	—	—	—	—	—
Trade . . . . .	—	—	—	—	—	—	—	—	—	—	—
Finance, insurance, and real estate . . . . .	1	—	—	—	—	—	—	1	—	—	—
Services . . . . .	4	1	—	—	1	1	—	—	1	—	—
Public administration . . . . .	1	1	—	—	—	—	—	—	—	—	—
Armed Forces . . . . .	1	—	—	—	—	—	—	—	—	—	1
<b>Interval and industry</b>											
<b>22–25 weeks:</b>											
All industries . . . . .	209	26	5	22	46	20	31	4	35	11	9
Agriculture . . . . .	22	19	—	1	1	—	—	—	1	—	—
Mining . . . . .	3	—	3	—	—	—	—	—	—	—	—
Construction . . . . .	20	1	—	16	2	1	—	—	—	—	—
Manufacturing . . . . .	48	3	2	—	36	1	3	—	1	—	2
Transportation, communication, and utilities . . . . .	23	—	—	—	3	18	1	—	—	1	—
Trade . . . . .	29	1	—	2	3	—	20	1	1	1	—
Finance, insurance, and real estate . . . . .	4	—	—	—	—	—	1	3	—	—	—
Services . . . . .	46	—	—	3	1	—	6	—	32	3	1
Public administration . . . . .	9	2	—	—	—	—	—	—	—	6	1
Armed Forces . . . . .	5	—	—	—	—	—	—	—	—	—	5
<b>26–29 weeks:</b>											
All industries . . . . .	452	38	8	32	123	42	55	13	104	24	13
Agriculture . . . . .	37	28	—	1	3	1	—	—	4	—	—
Mining . . . . .	7	1	4	—	2	—	—	—	—	—	—
Construction . . . . .	36	1	—	24	5	1	2	—	2	—	1
Manufacturing . . . . .	120	2	1	2	100	4	4	1	4	1	1
Transportation, communication, and utilities . . . . .	46	1	—	2	3	34	3	—	2	1	—
Trade . . . . .	55	2	2	2	6	1	38	—	2	—	2
Finance, insurance, and real estate . . . . .	12	—	—	—	—	—	—	10	—	1	1
Services . . . . .	109	3	—	1	4	1	7	1	89	1	2
Public administration . . . . .	24	—	1	—	—	—	1	1	1	19	1
Armed Forces . . . . .	6	—	—	—	—	—	—	—	—	1	5
<b>30–32 weeks:</b>											
All industries . . . . .	340	36	4	34	93	27	47	12	64	13	10
Agriculture . . . . .	30	26	—	1	2	—	1	—	—	—	—
Mining . . . . .	4	—	3	—	—	1	—	—	—	—	—
Construction . . . . .	29	1	—	21	4	1	—	—	1	—	1
Manufacturing . . . . .	91	5	1	2	71	1	5	1	3	1	1
Transportation, communication, and utilities . . . . .	27	1	—	1	2	20	—	—	1	—	2
Trade . . . . .	48	2	—	1	3	1	37	—	4	—	—
Finance, insurance, and real estate . . . . .	13	—	—	—	—	—	2	10	—	1	—
Services . . . . .	75	1	—	5	8	3	2	1	54	—	1
Public administration . . . . .	17	—	—	2	3	—	—	—	1	10	1
Armed Forces . . . . .	6	—	—	1	—	—	—	—	—	1	4

**Table 6. Number of responses by industry of decedent on National Mortality Followback Survey questionnaire and by race and industry on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

Race and industry on death certificate, interval and relationship	Industry on questionnaire										
	Total	Agriculture	Mining	Construction	Manufacturing	Transportation, communication, and utilities	Trade	Finance, insurance, and real estate	Services	Public administration	Armed Forces
<b>33–35 weeks:</b>											
All industries . . . . .	410	30	8	38	113	44	50	15	88	19	5
Agriculture . . . . .	27	21	—	1	4	1	—	—	—	—	—
Mining . . . . .	9	—	8	—	—	—	—	—	1	—	—
Construction . . . . .	37	—	—	31	2	2	—	—	—	1	1
Manufacturing . . . . .	108	1	—	1	89	3	9	2	3	—	—
Transportation, communication, and utilities . . . . .	40	2	—	2	1	30	2	—	2	—	1
Trade . . . . .	46	—	—	1	4	3	30	1	6	1	—
Finance, insurance, and real estate . . . . .	13	—	—	—	—	1	1	10	—	1	—
Services . . . . .	108	5	—	1	11	3	6	2	75	4	1
Public administration . . . . .	20	1	—	1	2	1	2	—	1	12	—
Armed Forces . . . . .	2	—	—	—	—	—	—	—	—	—	2
<b>36–38 weeks:</b>											
All industries . . . . .	359	34	10	34	88	32	42	14	76	16	13
Agriculture . . . . .	38	26	—	1	7	—	2	—	1	—	1
Mining . . . . .	8	—	7	—	—	—	—	—	1	—	—
Construction . . . . .	32	1	1	20	4	1	1	—	2	1	1
Manufacturing . . . . .	91	1	1	6	67	1	5	—	5	2	3
Transportation, communication, and utilities . . . . .	34	—	1	—	1	27	1	—	—	2	2
Trade . . . . .	37	1	—	2	3	—	25	—	5	—	1
Finance, insurance, and real estate . . . . .	13	—	—	—	1	—	—	11	—	1	—
Services . . . . .	85	3	—	3	4	2	8	3	60	1	1
Public administration . . . . .	17	2	—	1	1	—	—	—	2	9	2
Armed Forces . . . . .	4	—	—	1	—	1	—	—	—	—	2
<b>39–41 weeks:</b>											
All industries . . . . .	267	22	5	32	62	16	38	6	62	19	5
Agriculture . . . . .	19	17	—	—	1	—	—	—	1	—	—
Mining . . . . .	5	1	2	1	—	—	—	—	1	—	—
Construction . . . . .	26	—	—	21	2	1	—	—	—	2	—
Manufacturing . . . . .	63	1	1	2	47	—	4	—	5	2	1
Transportation, communication, and utilities . . . . .	19	—	—	1	2	13	1	—	1	—	1
Trade . . . . .	35	2	1	1	3	—	27	—	1	—	—
Finance, insurance, and real estate . . . . .	10	—	—	2	—	—	1	6	1	—	—
Services . . . . .	68	1	1	1	7	1	5	—	49	3	—
Public administration . . . . .	15	—	—	2	—	1	—	—	1	11	—
Armed Forces . . . . .	7	—	—	1	—	—	—	—	2	1	3
<b>42–44 weeks:</b>											
All industries . . . . .	242	23	5	30	41	17	43	9	58	14	2
Agriculture . . . . .	22	17	—	1	1	—	1	—	2	—	—
Mining . . . . .	4	—	4	—	—	—	—	—	—	—	—
Construction . . . . .	29	2	—	23	1	3	—	—	—	—	—
Manufacturing . . . . .	51	—	—	2	32	3	7	—	6	1	—
Transportation, communication, and utilities . . . . .	14	—	—	1	1	9	2	—	1	—	—
Trade . . . . .	38	1	—	2	4	—	25	—	5	1	—
Finance, insurance, and real estate . . . . .	11	—	—	—	1	—	2	7	1	—	—
Services . . . . .	56	3	—	—	1	1	5	1	43	2	—
Public administration . . . . .	14	—	1	1	—	1	1	1	—	9	—
Armed Forces . . . . .	3	—	—	—	—	—	—	—	—	1	2

**Table 6. Number of responses by industry of decedent on National Mortality Followback Survey questionnaire and by race and industry on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

Race and industry on death certificate, interval and relationship	Industry on questionnaire										
	Total	Agriculture	Mining	Construction	Manufacturing	Transportation, communication, and utilities	Trade	Finance, insurance, and real estate	Services	Public administration	Armed Forces
<b>45-47 weeks:</b>											
All Industries . . . . .	167	14	6	19	36	22	17	3	41	6	3
Agriculture . . . . .	12	11	—	—	1	—	—	—	—	—	—
Mining . . . . .	4	—	4	—	—	—	—	—	—	—	—
Construction . . . . .	18	—	—	17	1	—	—	—	—	—	—
Manufacturing . . . . .	37	—	2	—	26	1	3	—	4	—	1
Transportation, communication, and utilities . . . . .	18	1	—	—	1	15	—	—	—	—	1
Trade . . . . .	21	—	—	—	6	3	11	—	1	—	—
Finance, insurance, and real estate . . . . .	6	—	—	—	1	1	—	3	1	—	—
Services . . . . .	39	2	—	1	—	—	2	—	33	1	—
Public administration . . . . .	10	—	—	1	—	2	1	—	2	4	—
Armed Forces . . . . .	2	—	—	—	—	—	—	—	—	1	1
<b>48-51 weeks:</b>											
All Industries . . . . .	111	7	—	7	25	8	17	5	36	2	4
Agriculture . . . . .	4	4	—	—	—	—	—	—	—	—	—
Mining . . . . .	—	—	—	—	—	—	—	—	—	—	—
Construction . . . . .	12	2	—	6	—	—	1	—	1	1	1
Manufacturing . . . . .	30	—	—	—	24	1	4	—	1	—	—
Transportation, communication, and utilities . . . . .	9	—	—	—	1	6	—	1	1	—	—
Trade . . . . .	14	—	—	1	—	—	10	—	2	—	1
Finance, insurance, and real estate . . . . .	5	—	—	—	—	—	—	4	1	—	—
Services . . . . .	31	1	—	—	—	1	1	—	28	—	—
Public administration . . . . .	4	—	—	—	—	—	1	—	2	1	—
Armed Forces . . . . .	2	—	—	—	—	—	—	—	—	—	2
<b>52 weeks and longer:</b>											
All Industries . . . . .	41	3	—	5	8	5	9	—	9	—	2
Agriculture . . . . .	7	2	—	1	2	1	1	—	—	—	—
Mining . . . . .	—	—	—	—	—	—	—	—	—	—	—
Construction . . . . .	5	1	—	2	—	1	—	—	—	—	1
Manufacturing . . . . .	8	—	—	1	6	—	—	—	—	—	1
Transportation, communication, and utilities . . . . .	3	—	—	—	—	3	—	—	—	—	—
Trade . . . . .	6	—	—	—	—	—	6	—	—	—	—
Finance, insurance, and real estate . . . . .	—	—	—	—	—	—	—	—	—	—	—
Services . . . . .	11	—	—	—	—	—	2	—	9	—	—
Public administration . . . . .	—	—	—	—	—	—	—	—	—	—	—
Armed Forces . . . . .	1	—	—	1	—	—	—	—	—	—	—
<b>Missing:</b>											
All Industries . . . . .	4	—	—	1	2	1	—	—	—	—	—
Agriculture . . . . .	—	—	—	—	—	—	—	—	—	—	—
Mining . . . . .	—	—	—	—	—	—	—	—	—	—	—
Construction . . . . .	1	—	—	1	—	—	—	—	—	—	—
Manufacturing . . . . .	1	—	—	—	1	—	—	—	—	—	—
Transportation, communication, and utilities . . . . .	1	—	—	—	—	1	—	—	—	—	—
Trade . . . . .	—	—	—	—	—	—	—	—	—	—	—
Finance, insurance, and real estate . . . . .	—	—	—	—	—	—	—	—	—	—	—
Services . . . . .	1	—	—	—	1	—	—	—	—	—	—
Public administration . . . . .	—	—	—	—	—	—	—	—	—	—	—
Armed Forces . . . . .	—	—	—	—	—	—	—	—	—	—	—

**Table 6. Number of responses by industry of decedent on National Mortality Followback Survey questionnaire and by race and industry on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

<i>Race and industry on death certificate, interval and relationship</i>	<i>Industry on questionnaire</i>										
	<i>Total</i>	<i>Agriculture</i>	<i>Mining</i>	<i>Construction</i>	<i>Manufacturing</i>	<i>Transportation, communication, and utilities</i>	<i>Trade</i>	<i>Finance, insurance, and real estate</i>	<i>Services</i>	<i>Public administration</i>	<i>Armed Forces</i>
<b>Spouse:</b>											
All industries . . . . .	1,218	99	20	137	324	130	155	52	194	73	34
Agriculture . . . . .	94	73	—	3	11	—	4	—	3	—	—
Mining . . . . .	24	1	17	1	2	1	—	—	2	—	—
Construction . . . . .	131	4	1	102	10	7	2	—	1	1	3
Manufacturing . . . . .	332	7	1	9	255	11	26	3	12	4	4
Transportation, communication, and utilities . . . . .	126	3	—	4	7	98	3	1	5	2	3
Trade . . . . .	149	5	1	5	17	7	102	—	9	3	—
Finance, insurance, and real estate . . . . .	51	—	—	2	—	1	3	42	—	2	1
Services . . . . .	211	3	—	6	17	3	13	4	157	7	1
Public administration . . . . .	81	3	—	5	5	2	2	2	4	53	5
Armed Forces . . . . .	19	—	—	—	—	—	—	—	1	1	17
<b>Parent:</b>											
All industries . . . . .	196	9	1	27	50	18	26	5	40	8	12
Agriculture . . . . .	10	7	—	1	—	2	—	—	—	—	—
Mining . . . . .	2	—	1	—	—	—	—	—	1	—	—
Construction . . . . .	27	2	—	19	1	2	—	—	2	—	1
Manufacturing . . . . .	54	—	—	3	39	1	2	1	4	1	3
Transportation, communication, and utilities . . . . .	18	—	—	1	3	12	2	—	—	—	—
Trade . . . . .	27	—	—	2	1	—	16	—	4	—	4
Finance, insurance, and real estate . . . . .	5	—	—	—	1	—	—	3	—	1	—
Services . . . . .	45	—	—	—	5	1	5	1	29	1	3
Public administration . . . . .	5	—	—	1	—	—	1	—	—	3	—
Armed Forces . . . . .	3	—	—	—	—	—	—	—	—	2	1
<b>Child:</b>											
All industries . . . . .	163	23	4	5	41	10	23	3	44	7	3
Agriculture . . . . .	20	18	—	—	2	—	—	—	—	—	—
Mining . . . . .	1	—	1	—	—	—	—	—	—	—	—
Construction . . . . .	6	—	—	4	2	—	—	—	—	—	—
Manufacturing . . . . .	36	—	3	—	30	—	2	—	1	—	—
Transportation, communication, and utilities . . . . .	12	—	—	—	—	9	2	—	—	—	1
Trade . . . . .	18	1	—	—	2	—	14	—	1	—	—
Finance, insurance, and real estate . . . . .	5	—	—	—	1	—	1	3	—	—	—
Services . . . . .	53	3	—	1	4	1	4	—	40	—	—
Public administration . . . . .	8	1	—	—	—	—	—	—	2	5	—
Armed Forces . . . . .	4	—	—	—	—	—	—	—	—	2	2
<b>Sibling:</b>											
All industries . . . . .	78	5	1	11	18	7	9	2	23	2	—
Agriculture . . . . .	7	3	—	—	4	—	—	—	—	—	—
Mining . . . . .	1	—	1	—	—	—	—	—	—	—	—
Construction . . . . .	12	1	—	10	—	—	—	—	—	1	—
Manufacturing . . . . .	16	—	—	—	12	2	1	—	1	—	—
Transportation, communication, and utilities . . . . .	7	—	—	—	—	5	1	—	1	—	—
Trade . . . . .	8	—	—	1	1	—	5	—	1	—	—
Finance, insurance, and real estate . . . . .	2	—	—	—	—	—	—	2	—	—	—
Services . . . . .	24	1	—	—	1	—	2	—	20	—	—
Public administration . . . . .	1	—	—	—	—	—	—	—	—	1	—
Armed Forces . . . . .	—	—	—	—	—	—	—	—	—	—	—

**Table 6. Number of responses by industry of decedent on National Mortality Followback Survey questionnaire and by race and industry on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

Race and industry on death certificate, interval and relationship	Industry on questionnaire										
	Total	Agriculture	Mining	Construction	Manufacturing	Transportation, communication, and utilities	Trade	Finance, insurance, and real estate	Services	Public administration	Armed Forces
<b>Other relative:</b>											
All Industries . . . . .	50	9	2	3	8	3	8	1	15	—	1
Agriculture . . . . .	9	8	—	1	—	—	—	—	—	—	—
Mining . . . . .	1	—	1	—	—	—	—	—	—	—	—
Construction . . . . .	2	—	—	1	—	—	—	—	1	—	—
Manufacturing . . . . .	8	—	—	1	6	—	—	—	1	—	—
Transportation, communication, and utilities . . . . .	5	—	—	—	1	3	—	—	1	—	—
Trade . . . . .	9	—	1	—	1	—	7	—	—	—	—
Finance, insurance, and real estate . . . . .	1	—	—	—	—	—	—	1	—	—	—
Services . . . . .	14	1	—	—	—	—	1	—	12	—	—
Public administration . . . . .	—	—	—	—	—	—	—	—	—	—	—
Armed Forces . . . . .	1	—	—	—	—	—	—	—	—	—	1
<b>Nonrelative:</b>											
All Industries . . . . .	27	1	—	2	5	4	3	1	9	1	1
Agriculture . . . . .	—	—	—	—	—	—	—	—	—	—	—
Mining . . . . .	—	—	—	—	—	—	—	—	—	—	—
Construction . . . . .	2	—	—	1	—	1	—	—	—	—	—
Manufacturing . . . . .	6	—	—	—	5	1	—	—	—	—	—
Transportation, communication, and utilities . . . . .	2	—	—	—	—	2	—	—	—	—	—
Trade . . . . .	2	—	—	—	—	—	2	—	—	—	—
Finance, insurance, and real estate . . . . .	1	—	—	—	—	—	—	1	—	—	—
Services . . . . .	12	1	—	1	—	—	1	—	9	—	—
Public administration . . . . .	1	—	—	—	—	—	—	—	—	1	—
Armed Forces . . . . .	1	—	—	—	—	—	—	—	—	—	1
<b>Not stated:</b>											
All Industries . . . . .	870	87	23	69	191	62	125	17	248	33	15
Agriculture . . . . .	78	62	—	2	5	1	1	—	6	—	1
Mining . . . . .	15	1	14	—	—	—	—	—	—	—	—
Construction . . . . .	65	2	—	45	8	1	2	—	2	3	2
Manufacturing . . . . .	196	6	4	3	152	—	13	—	13	2	3
Transportation, communication, and utilities . . . . .	64	2	1	2	4	47	2	—	1	2	3
Trade . . . . .	116	3	1	4	10	1	83	2	12	—	—
Finance, insurance, and real estate . . . . .	22	—	—	—	1	1	3	12	4	1	—
Services . . . . .	270	10	1	7	10	7	18	3	205	7	2
Public administration . . . . .	34	1	2	2	1	3	3	—	4	18	—
Armed Forces . . . . .	10	—	—	4	—	1	—	—	1	—	4
<b>Death certificate informant and survey respondent were—</b>											
<b>Both spouse:</b>											
All Industries . . . . .	1,055	85	17	116	289	117	129	46	158	67	31
Agriculture . . . . .	80	62	—	2	10	—	3	—	3	—	—
Mining . . . . .	21	1	15	—	2	1	—	—	2	—	—
Construction . . . . .	116	3	1	90	9	7	2	—	1	1	2
Manufacturing . . . . .	287	7	—	7	225	9	21	3	9	3	3
Transportation, communication, and utilities . . . . .	112	3	—	4	6	88	2	—	4	2	3
Trade . . . . .	128	5	1	4	17	7	85	—	6	3	—
Finance, insurance, and real estate . . . . .	45	—	—	—	—	1	3	38	—	2	1
Services . . . . .	177	2	—	6	16	3	11	3	128	7	1
Public administration . . . . .	71	2	—	3	4	1	2	2	4	48	5
Armed Forces . . . . .	18	—	—	—	—	—	—	—	1	1	16



**Table 6. Number of responses by industry of decedent on National Mortality Followback Survey questionnaire and by race and industry on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986 – Con.**

<i>Race and Industry on death certificate, interval and relationship</i>	<i>Industry on questionnaire</i>										
	<i>Total</i>	<i>Agriculture</i>	<i>Mining</i>	<i>Construction</i>	<i>Manufacturing</i>	<i>Transportation, communication, and utilities</i>	<i>Trade</i>	<i>Finance, insurance, and real estate</i>	<i>Services</i>	<i>Public administration</i>	<i>Armed Forces</i>
<b>Not both spouse:</b>											
All industries . . . . .	1,476	144	29	129	326	109	216	33	407	50	33
Agriculture . . . . .	133	106	–	5	11	2	2	–	6	–	1
Mining . . . . .	20	1	17	1	–	–	–	–	1	–	–
Construction . . . . .	122	6	–	88	10	4	2	–	5	4	3
Manufacturing . . . . .	339	5	7	8	257	6	22	1	22	4	7
Transportation, communication, and utilities . . . . .	115	2	1	2	8	84	8	1	4	2	3
Trade . . . . .	198	4	2	8	14	1	142	2	21	–	4
Finance, insurance, and real estate . . . . .	39	–	–	2	3	1	4	24	4	1	–
Services . . . . .	441	17	–	8	21	7	33	5	337	8	5
Public administration . . . . .	52	3	2	5	2	4	3	–	6	27	–
Armed Forces . . . . .	17	–	–	2	–	–	–	–	1	4	10
<b>Not stated:</b>											
All industries . . . . .	71	4	5	9	22	8	4	2	8	7	2
Agriculture . . . . .	5	3	–	–	1	1	–	–	–	–	–
Mining . . . . .	3	–	3	–	–	–	–	–	–	–	–
Construction . . . . .	7	–	–	4	2	–	–	–	–	–	1
Manufacturing . . . . .	22	1	1	1	17	–	1	–	1	–	–
Transportation, communication, and utilities . . . . .	7	–	–	1	1	4	–	–	–	–	1
Trade . . . . .	3	–	–	–	1	–	2	–	–	–	–
Finance, insurance, and real estate . . . . .	3	–	–	–	–	–	–	2	–	1	–
Services . . . . .	11	–	1	1	–	2	–	–	7	–	–
Public administration . . . . .	7	–	–	–	–	–	1	–	–	6	–
Armed Forces . . . . .	3	–	–	2	–	1	–	–	–	–	–

NOTE: Oregon, Nebraska, Nevada, and New Mexico were excluded from the comparability analysis in this report because Oregon's confidentiality requirements precluded its participation in the 1986 National Mortality Followback Survey, and the primary matching criteria could not be applied for the other three States because they reissue death certificate numbers after the processing of the Current Mortality Sample.

**Table 7. Number of responses by veteran status of decedent on National Mortality Followback Survey questionnaire and by race and veteran status on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986**

Race and veteran status on certificate, interval, and relationship	Total	Veteran status on questionnaire	
		Veteran	Nonveteran
Race and veteran status			
All races:			
All veteran statuses . . . . .	10,637	2,121	8,516
Veteran . . . . .	2,176	1,974	202
Nonveteran . . . . .	8,461	147	8,314
White:			
All veteran statuses . . . . .	7,509	1,622	5,887
Veteran . . . . .	1,659	1,513	146
Nonveteran . . . . .	5,850	109	5,741
Black:			
All veteran statuses . . . . .	2,781	450	2,331
Veteran . . . . .	461	415	46
Nonveteran . . . . .	2,320	35	2,285
American Indian:			
All veteran statuses . . . . .	257	35	222
Veteran . . . . .	39	33	6
Nonveteran . . . . .	218	2	216
Other:			
All veteran statuses . . . . .	72	11	61
Veteran . . . . .	13	10	3
Nonveteran . . . . .	59	1	58
Missing:			
All veteran statuses . . . . .	18	3	15
Veteran . . . . .	4	3	1
Nonveteran . . . . .	14	—	14
Interval and veteran status			
22–25 weeks:			
All veteran statuses . . . . .	833	191	642
Veteran . . . . .	193	183	10
Nonveteran . . . . .	640	8	632
26–29 weeks:			
All veteran statuses . . . . .	1,616	334	1,282
Veteran . . . . .	338	306	32
Nonveteran . . . . .	1,278	28	1,250
30–32 weeks:			
All veteran statuses . . . . .	1,423	281	1,142
Veteran . . . . .	291	265	26
Nonveteran . . . . .	1,132	16	1,116
33–35 weeks:			
All veteran statuses . . . . .	1,656	334	1,322
Veteran . . . . .	353	312	41
Nonveteran . . . . .	1,303	22	1,281
36–38 weeks:			
All veteran statuses . . . . .	1,416	290	1,126
Veteran . . . . .	283	261	22
Nonveteran . . . . .	1,133	29	1,104
39–41 weeks:			
All veteran statuses . . . . .	1,236	225	1,011
Veteran . . . . .	256	221	35
Nonveteran . . . . .	980	4	976
42–44 weeks:			
All veteran statuses . . . . .	1,028	189	839
Veteran . . . . .	188	174	14
Nonveteran . . . . .	840	15	825
45–47 weeks:			
All veteran statuses . . . . .	720	135	585
Veteran . . . . .	131	123	8
Nonveteran . . . . .	589	12	577

**Table 7. Number of responses by veteran status of decedent on National Mortality Followback Survey questionnaire and by race and veteran status on death certificate, interval between death and survey, and relationship of informant to decedent: United States, 1986—Con.**

<i>Race and veteran status on certificate, interval, and relationship</i>	<i>Total</i>	<i>Veteran status on questionnaire</i>	
		<i>Veteran</i>	<i>Nonveteran</i>
<b>48–51 weeks:</b>			
All veteran statuses . . . . .	454	81	373
Veteran . . . . .	82	75	7
Nonveteran . . . . .	372	6	366
<b>52 weeks and longer:</b>			
All veteran statuses . . . . .	241	59	182
Veteran . . . . .	59	52	7
Nonveteran . . . . .	182	7	175
<b>Missing:</b>			
All veteran status . . . . .	14	2	12
Veteran . . . . .	2	2	—
Nonveteran . . . . .	12	—	12
<b>Relationship</b>			
<b>Decedent was death certificate informant's—</b>			
<b>Spouse:</b>			
All veteran statuses . . . . .	4,015	1,079	2,936
Veteran . . . . .	1,112	1,014	98
Nonveteran . . . . .	2,903	65	2,838
<b>Parent:</b>			
All veteran statuses . . . . .	718	143	575
Veteran . . . . .	146	133	13
Nonveteran . . . . .	572	10	562
<b>Child:</b>			
All veteran statuses . . . . .	1,013	113	900
Veteran . . . . .	114	102	12
Nonveteran . . . . .	899	11	888
<b>Sibling:</b>			
All veteran statuses . . . . .	326	60	266
Veteran . . . . .	60	55	5
Nonveteran . . . . .	266	5	261
<b>Other relative:</b>			
All veteran statuses . . . . .	265	30	235
Veteran . . . . .	31	28	3
Nonveteran . . . . .	234	2	232
<b>Nonrelative:</b>			
All veteran statuses . . . . .	215	42	173
Veteran . . . . .	46	39	7
Nonveteran . . . . .	169	3	166
<b>Not stated:</b>			
All veteran statuses . . . . .	4,085	654	3,431
Veteran . . . . .	667	603	64
Nonveteran . . . . .	3,418	51	3,367
<b>Death certificate informant and survey respondent were—</b>			
<b>Both spouse:</b>			
All veteran statuses . . . . .	3,417	970	2,447
Veteran . . . . .	1,002	914	88
Nonveteran . . . . .	2,415	56	2,359
<b>Not both spouse:</b>			
All veteran statuses . . . . .	6,778	999	5,779
Veteran . . . . .	1,014	915	99
Nonveteran . . . . .	5,764	84	5,680
<b>Not stated:</b>			
All veteran statuses . . . . .	442	152	290
Veteran . . . . .	160	145	15
Nonveteran . . . . .	282	7	275

NOTE: Oregon, Nebraska, Nevada, and New Mexico were excluded from the comparability analysis in this report because Oregon's confidentiality requirements precluded its participation in the 1986 National Mortality Followback Survey, and the primary matching criteria could not be applied for the other three States because they reissue death certificate numbers after the processing of the Current Mortality Sample.

# Appendixes

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# Appendix I

## U.S. Standard Certificate of Death

(PHYSICIAN, MEDICAL EXAMINER OR CORONER)  
U.S. STANDARD

Form Approved  
OMB No. 68R 190J

### CERTIFICATE OF DEATH

TYPE OR PRINT IN PERMANENT INK FOR INSTRUCTIONS SEE HANDBOOK		LOCAL FILE NUMBER				STATE FILE NUMBER					
1. DECEDENT—NAME FIRST MIDDLE LAST		SEX		DATE OF DEATH (Mo., Day, Yr.)							
2. RACE—(e.g., White, Black, American Indian, etc.) (Specify)		3. AGE—Last Birthday (Yr.)		4. UNDER 1 YEAR		5. UNDER 1 DAY		6. DATE OF BIRTH (Mo., Day, Yr.)		7. COUNTY OF DEATH	
4. CITY, TOWN OR LOCATION OF DEATH		5a.		5b. MOS. DAYS		5c. HOURS MINS.		6.		7a.	
7b. STATE OF BIRTH (If not in U.S.A., name country)		8. CITIZEN OF WHAT COUNTRY		9. MARRIED, NEVER MARRIED, WIDOWED, DIVORCED (Specify)		10. SURVIVING SPOUSE (If wife, give maiden name)		11.		12. WAS DECEDENT EVER IN U.S. ARMED FORCES? (Specify Yes or No)	
13. SOCIAL SECURITY NUMBER		14a. USUAL OCCUPATION (Give kind of work done during most of working life, even if retired)				14b. KIND OF BUSINESS OR INDUSTRY					
15a. RESIDENCE—STATE		15b. COUNTY		15c. CITY, TOWN OR LOCATION		15d. STREET AND NUMBER		15e. INSIDE CITY LIMITS (Specify Yes or No)			
16. FATHER—NAME FIRST MIDDLE LAST		17. MOTHER—MAIDEN NAME FIRST MIDDLE LAST									
18a. INFORMANT—NAME (Type or Print)		18b. MAILING ADDRESS				19. STREET OR R.F.D. NO.		20. CITY OR TOWN		21. STATE ZIP	
19a. BURIAL, CREMATION, REMOVAL, OTHER (Specify)		19b. CEMETERY OR CREMATORY—NAME				19c. LOCATION		20. CITY OR TOWN		21. STATE	
20a. FUNERAL SERVICE LICENSEE Or Person Acting As Such (Signature)		20b. NAME OF FACILITY				20c. ADDRESS OF FACILITY					
21a. To be Completed by CERTIFYING PHYSICIAN Only		21b. DATE SIGNED (Mo., Day, Yr.)				21c. HOUR OF DEATH		21d. NAME OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER (Type or Print)		21e. M	
22a. To be Completed by MEDICAL EXAMINER or CORONER Only		22b. DATE SIGNED (Mo., Day, Yr.)				22c. HOUR OF DEATH		22d. PRONOUNCED DEAD (Mo., Day, Yr.)		22e. PRONOUNCED DEAD (Hour) M	
23. REGISTRAR		24a. (Signature)				24b. DATE RECEIVED BY REGISTRAR (Mo., Day, Yr.)					
25. IMMEDIATE CAUSE [ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).]		PART I (a) DUE TO, OR AS A CONSEQUENCE OF:				Interval between onset and death					
		PART I (b) DUE TO, OR AS A CONSEQUENCE OF:				Interval between onset and death					
		PART I (c) DUE TO, OR AS A CONSEQUENCE OF:				Interval between onset and death					
PART II OTHER SIGNIFICANT CONDITIONS—Conditions contributing to death but not related to cause given in PART I (a)		26. AUTOPSY (Specify Yes or No)		27. WAS CASE REFERRED TO MEDICAL EXAMINER OR CORONER (Specify Yes or No)							
28a. ACC., SUICIDE, HOM., UNDET., OR PENDING INVEST. (Specify)		28b. DATE OF INJURY (Mo., Day, Yr.)		28c. HOUR OF INJURY		28d. DESCRIBE HOW INJURY OCCURRED					
28e. INJURY AT WORK (Specify Yes or No)		28f. PLACE OF INJURY—At home, farm, street, factory, office building, etc. (Specify)		28g. LOCATION		28h. STREET OR R.F.D. NO.		28i. CITY OR TOWN		28j. STATE	

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE—PUBLIC HEALTH SERVICE—NATIONAL CENTER FOR HEALTH STATISTICS  
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HRA-162-1  
Rev. 1/78

## Appendix II

### Instructions for filling death certificate items

#### 5a-c. Age

Make an entry in either 5a, 5b, or 5c depending on the age of the decedent.

#### 5a. LAST BIRTHDAY (YEARS)

Enter the age of the decedent at last birthday.  
If the decedent was under 1 year of age, leave this item blank.

#### 5b. Race—White, Black, American Indian, Etc. (Specify)

Enter the race of the decedent as stated by the informant.  
For groups other than white, black, or American Indian, obtain the national origin of the decedent, such as Chinese, Japanese, Korean, Filipino, Hawaiian, etc.  
If the informant indicates that the decedent is of "Mixed race," enter both races or national origins.

## **Origin or Descent**

### **A. ORIGIN OR DESCENT QUESTION**

Origin or descent (e.g., Italian, Mexican, Puerto Rican, English, Cuban, etc.). (Specify.)

### **B. SPANISH-ORIGIN QUESTION**

Was decedent of Spanish origin? (Specify "Yes" or "No.")  
If "Yes," specify Mexican, Cuban, Puerto Rican, etc.

These items are not on the U.S. Standard Certificate of Death, but are recommended by the National Center for Health Statistics and one or the other of the alternatives shown above has been adopted by a number of States. It may be in the form of a general origin or descent question (A) or a specific Spanish-origin question (B).

For purposes of this item, origin or descent refers to the nationality group of the decedent or his ancestors before their arrival in the United States (except for American Indian and Alaskan native).

There is no set rule as to how many generations are to be taken into account in determining ethnic origin. A person's origin may be reported based on the origin of a parent, a grandparent, or some far removed ancestor. The response is to reflect what the person considered himself or herself to be, and is not based on percentages of ancestry.

Some persons may not have identified with the foreign birthplace of their ancestors or with a nationality group and the informant may report "American." If, after clarification of the intent of this item, the informant still feels that the decedent was "American," enter "American" on the record.

If the respondent reports that the decedent was of multiple origin, enter the origins as reported (e.g., English-German).

If a religious group is reported (e.g., Jewish, Moslem, Protestant), ask for the country of origin or nationality group.

This item is not a part of the race item. Both questions, race and origin or descent, should be asked independently. This will mean that for certain groups the entry will be the same in both items (e.g., Japanese, Chinese, Hawaiian). Even if they are the same the entry should be made in both items.

## **10. Married, Never Married, Widowed, Divorced (Specify)**

Enter the marital status of the decedent at time of death. Specify one of the following: married, never married, widowed, divorced. A person is legally married even if separated.

If marital status cannot be determined, enter "Unknown." Do not leave blank.

**14a. USUAL OCCUPATION (GIVE KIND OF WORK DONE DURING MOST OF WORKING LIFE, EVEN IF RETIRED)**

Enter the *usual* occupation of the decedent. This is not necessarily the *last* occupation of the decedent.

*"Usual occupation" is the kind of work the decedent did during most of his or her working life, such as claim adjuster, farmhand, coal miner, housewife, janitor, store manager, college professor, civil engineer, etc. "Retired" is not an acceptable entry.*

Enter "Student" if the decedent was a student at the time of death and was never regularly employed.

**14b. KIND OF BUSINESS OR INDUSTRY**

Enter the kind of business or industry to which the occupation listed in 14a was related, such as insurance, farming, coal mining, hardware store, retail clothing, university, government, etc. Do not enter firm or organization names.

**12. Was Decedent Ever in U.S. Armed Forces? (Specify Yes or No)**

If the decedent was a veteran, enter "Yes." If the decedent was not a veteran, enter "No." If veteran status cannot be determined, enter "Unknown." Do not leave blank.

**7a-d. Place of Death**

**7a. COUNTY OF DEATH**

Enter the name of the county where death occurred.

**7b. CITY, TOWN, OR LOCATION OF DEATH**

Enter the name of city, town, or location where death occurred.

**7c. HOSPITAL OR OTHER INSTITUTION—NAME (IF NOT IN EITHER, GIVE STREET AND NUMBER.)**

**Hospital Deaths**

If the death occurred in a hospital, enter the full name of the hospital.

If death occurred en route to or on arrival at a hospital, enter the full name of the hospital.

**Nonhospital Deaths**

If the death occurred at home, enter the house number and street name of the place where death occurred.

If the death occurred at some place other than those described above, enter the number and street name of the place.

**7d. IF HOSPITAL OR INSTITUTION, INDICATE DOA, OP/EMERGENCY ROOM, INPATIENT (SPECIFY)**

If the decedent was pronounced dead in the hospital or other institution, specify whether dead on arrival, outpatient or emergency room patient, or inpatient.

If death occurred on a moving conveyance other than en route to a hospital, enter as the place of death the address where the body was first removed from the conveyance.

If death occurred in international waters or airspace, or in a foreign country, contact the State office of vital statistics for instructions.



# Appendix III

## Selected questionnaire items, 1986 National Mortality Followback Survey

### Age

**1. How old was the person at the time of death?** 005

\_\_\_\_\_ Age in years

### Race

**15. Which category BEST represents the person's race?** 147

*Mark (X) only one box.*

1  American Indian, Aleut, or Eskimo  
 2  Asian or Pacific Islander  
 3  Black  
 4  White

### Hispanic origin

**16. Was this person of Spanish or Hispanic origin or descent?** 150

1  Yes  
 2  No

### Marital status

**19. At the time of his or her death, what was the marital status of the person?** 161

1  Married — *Skip to question 21*  
 2  Widowed — *Go to next question*  
 3  Divorced } *Skip to question 21*  
 4  Separated }  
 5  Never married — *Skip to question 26 on page*

### Occupation

**2. Of all the PAID jobs or businesses the person ever had, what KIND OF WORK did he or she do the longest?** 134

*(For example, electrical engineer, stock clerk, typist, farmer, in Armed Forces, etc.)*

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### Industry

**4. In this occupation, what KIND OF BUSINESS OR INDUSTRY did he or she work in the longest?** 136

**Describe the activity at the location where employed.** *(For example: TV and radio manufacturing, retail shoe store, State Labor Department, farm, Armed Forces, etc.)*

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

teran status

4. Was the person ever on active duty in the U.S. Armed Forces?

145

- 1  Yes — Go to next question
- 2  No — Skip to question 15

NOTE — Mark "No" if all of the active duty service was related to training in the National Guard or military reserve.

Place of death

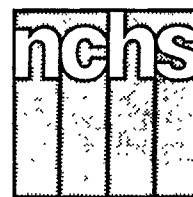
5. Where did the person die?

093

Mark (X) only one box.

- 1  In a hospital emergency room
  - 2  In a hospital, not in emergency room
  - 3  On the way to a hospital
  - 4  In a nursing home or personal care home
  - 5  In his or her own home
  - 6  In some other place — Specify ↙
-

# Reviews of New Reports



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

## The National Mortality Followback Survey: 1986 Summary for the United States

Series 20, No. 19  
(PHS) 92-1856

Author: Seeman, I.

For information contact:

Kathl Brannan  
Scientific and Technical Information Branch  
3525 Belcrest Road, Rm. 1064  
Hyattsville, MD 20782

Tel: (301) 436-8500

The National Center for Health Statistics has just released a report that provides national estimates of the incidence of significant characteristics of adults who died in the United States in 1986. The report, "National Mortality Followback Survey: 1986 Summary, United States" presents data on the use of health services, disabilities, lifestyle practices that may affect health and mortality, and socioeconomic circumstances for the adults that were studied.

Selective information from this survey has been weighted and is presented in 81 comprehensive tables. The data have been arranged into three categories: health care in the last year of life, lifestyle and health, and socioeconomic characteristics of decedents.

According to the section on health care, some institutional care in the last year of life—in either a hospital or nursing home—was required for 81.1 percent of the decedents. Medicare covered 72.9 percent of all decedents and 92.3 percent of those age 65 and over. Even with coverage, about 12 percent of the elderly had somewhat serious to very serious problems with payments of medical bills.

In the section on lifestyle, the incidence of heart attacks at some time during a lifetime was reported for 29.2 percent of the decedents; whereas, the incidence of Alzheimer's disease and other memory impairments was 11.2 percent.

According to the study, approximately 55.6 percent of the decedents smoked at least 100 cigarettes and 71.9 percent drank at least 12 alcoholic drinks in a lifetime. Approximately 16.9 percent of the decedents had exercised vigorously at least three times a week for at least 20 minutes each time, while 66.4 percent of the decedents hardly or never exercised.

According to the section on socioeconomic characteristics, 27.2 percent of the decedents lived alone;

for women it was 35.9 percent and for men 19.1 percent. Educational attainment was at the elementary school level for 32.5 percent of the decedents; the high school level for 42.1 percent; and the college level for 17.7 percent. Approximately 86.2 percent of the decedents worked at some time during their lifetime, and 13.1 percent of the decedents worked until the time of death.

The data presented in this report are from the fifth survey in a series of National Mortality Followback Surveys (NMFS) conducted by NCHS. The 1986 NMFS data were collected from 16,598 informants; 81 percent of whom were the next of kin or another close relative of the decedent. Information about the decedent secured from informants was supplemented by data collected from hospitals, nursing homes, and other health care facilities in which the decedent spent at least one night during the last year of life.

Copies of the report can be purchased from the U.S. Government Printing Office by completing the order form on the back of this release.



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- SERIES 20. Data on Mortality**—These reports contain statistics on mortality that are not included in regular, annual, or monthly reports. Special analyses by cause of death, age, other demographic variables, and geographic and trend analyses are included.
- SERIES 21. Data on Natality, Marriage, and Divorce**—These reports contain statistics on natality, marriage, and divorce that are not included in regular, annual, or monthly reports. Special analyses by health and demographic variables and geographic and trend analyses are included.
- SERIES 22. Data From the National Mortality and Natality Surveys**—Discontinued in 1975. Reports from these sample surveys, based on vital records, are now published in Series 20 or 21.
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- SERIES 24. Compilations of Data on Natality, Mortality, Marriage, Divorce, and Induced Terminations of Pregnancy**—These include advance reports of births, deaths, marriages, and divorces based on final data from the National Vital Statistics System that were published as supplements to the *Monthly Vital Statistics Report* (MVSR). These reports provide highlights and summaries of detailed data subsequently published in *Vital Statistics of the United States*. Other supplements to the MVSR published here provide selected findings based on final data from the National Vital Statistics System and may be followed by detailed reports in Series 20 or 21.

For answers to questions about this report or for a list of reports published in these series, contact:

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National Center for Health Statistics  
Centers for Disease Control and Prevention  
Public Health Service  
6525 Belcrest Road, Room 1064  
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