

The 1985 National Nursing Home Survey (NNHS) Linked Mortality File

Restricted-use File Layout

<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
<i>RESNUM</i>	numeric	Resident Record (Case) Number – See Detailed Notes
<i>ELIGSTAT</i>	numeric	Eligibility Status for Mortality Follow-up – See Detailed Notes 1 Eligible 3 Ineligible
Death Information		
<i>MORTSTAT</i>	numeric	Final Mortality Status – See Detailed Notes 0 Assumed alive 1 Assumed deceased Blank Ineligible
<i>MORTSRCE_DCL</i>	numeric	Mortality Source: Data Collection – See Detailed Notes 0 No 1 Yes Blank Ineligible or assumed alive
<i>MORTSRCE_NDI</i>	numeric	Mortality Source: NDI Match – See Detailed Notes 0 No 1 Yes Blank Ineligible or assumed alive
<i>MORTSRCE_SSA</i>	numeric	Mortality Source: SSA Information – See Detailed Notes 0 No 1 Yes Blank Ineligible or assumed alive
<i>MORTSRCE_CMS</i>	numeric	Mortality Source: CMS Information – See Detailed Notes 0 No 1 Yes Blank Ineligible or assumed alive

The 1985 National Nursing Home Survey (NNHS) Linked Mortality File

Restricted-use File Layout

<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
<i>DODMONTH</i>	numeric	Month of Death 01 January 02 February 03 March 04 April 05 May 06 June 07 July 08 August 09 September 10 October 11 November 12 December Blank Ineligible or assumed alive
<i>DODDAY</i>	numeric	Day of Death 01 - 31 Day Blank Ineligible or assumed alive
<i>DODYEAR</i>	numeric	Year of Death - See Detailed Notes 1983 - 2006 Year Blank Ineligible or assumed alive
<i>AGEDEATH</i>	numeric	Age at Death 11 - 111 Age in years Blank Ineligible or assumed alive
<i>AGEPRALV</i>	numeric	Age When Last Presumed Alive (as of December 31, 2006) 33 - 122 Age in years Blank Ineligible or assumed deceased

The 1985 National Nursing Home Survey (NNHS) Linked Mortality File

Restricted-use File Layout

<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
Death Certificate Data		
<i>CAUSEAVL</i>	numeric	Cause of Death Data Available – See Detailed Notes
		0 No
		1 Yes
		Blank Ineligible or assumed alive
<i>ICD_9REV</i>	char	ICD-9 Underlying Cause of Death (1983-1998) See Underlying and Multiple Causes
		001 – 999 Code range
		Blank Cause of death data not available or death after 1998
<i>UCOD_282</i>	char	ICD-9 (1983-1998) Underlying Cause of Death 282 Groups Recode See Underlying and Multiple Causes
		00300 – 35800 Code range
		Blank Cause of death data not available or death after 1998
<i>UCOD_72</i>	char	ICD-9 (1983-1998) Underlying Cause of Death 72 Groups Recode See Underlying and Multiple Causes
		010 – 840 Code range
		Blank Cause of death data not available or death after 1998
<i>UCOD_34</i>	char	ICD-9 (1983-1998) Underlying Cause of Death 34 Groups Recode See Underlying and Multiple Causes
		010 – 370 Code range
		Blank Cause of death data not available or death after 1998
<i>ICD_10REV</i>	char	ICD-10 Underlying Cause of Death (1999-2006) See Underlying and Multiple Causes
		A00 – Y89.9 Code range
		Blank Cause of death data not available or death before 1999

The 1985 National Nursing Home Survey (NNHS) Linked Mortality File

Restricted-use File Layout

<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
<i>UCOD_358</i>	char	ICD-10 (1999-2006) Underlying Cause of Death 358 Groups Recode See Underlying and Multiple Causes
		001 – 456 Code range Blank Cause of death data not available or death before 1999
<i>UCOD_39</i>	char	ICD-10 (1999-2006) Underlying Cause of Death 39 Groups Recode See Underlying and Multiple Causes
		001 – 042 Code range Blank Cause of death data not available or death before 1999
<i>UCOD_113</i>	char	ICD-10 (all years) Underlying Cause of Death 113 Groups Recode See Underlying and Multiple Causes
		001 – 135 Code range Blank Cause of death data not available

Multiple Cause of Death Conditions

<i>NUMENTAX</i>	numeric	Number of Entity Axis Conditions See Underlying and Multiple Causes
		00 – 20 Code range Blank Cause of death code not available
<i>COND_1</i>	char	Entity Axis 1 st Condition
<i>COND_2</i>	char	Entity Axis 2 nd Condition
<i>COND_3</i>	char	Entity Axis 3 rd Condition
<i>COND_4</i>	char	Entity Axis 4 th Condition
<i>COND_5</i>	char	Entity Axis 5 th Condition
<i>COND_6</i>	char	Entity Axis 6 th Condition
<i>COND_7</i>	char	Entity Axis 7 th Condition
<i>COND_8</i>	char	Entity Axis 8 th Condition
<i>COND_9</i>	char	Entity Axis 9 th Condition
<i>COND_10</i>	char	Entity Axis 10 th Condition
<i>COND_11</i>	char	Entity Axis 11 th Condition
<i>COND_12</i>	char	Entity Axis 12 th Condition
<i>COND_13</i>	char	Entity Axis 13 th Condition
<i>COND_14</i>	char	Entity Axis 14 th Condition
<i>COND_15</i>	char	Entity Axis 15 th Condition
<i>COND_16</i>	char	Entity Axis 16 th Condition

The 1985 National Nursing Home Survey (NNHS) Linked Mortality File

Restricted-use File Layout

<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
<i>COND_17</i>	char	Entity Axis 17 th Condition
<i>COND_18</i>	char	Entity Axis 18 th Condition
<i>COND_19</i>	char	Entity Axis 19 th Condition
<i>COND_20</i>	char	Entity Axis 20 th Condition
<i>NUMRAXCN</i>	numeric	Number of Record Axis Conditions See Underlying and Multiple Causes
		00 – 20 Code range
		Blank Cause of death code not available
<i>RCOND_1</i>	char	Record Axis 1 st Condition
<i>RCOND_2</i>	char	Record Axis 2 nd Condition
<i>RCOND_3</i>	char	Record Axis 3 rd Condition
<i>RCOND_4</i>	char	Record Axis 4 th Condition
<i>RCOND_5</i>	char	Record Axis 5 th Condition
<i>RCOND_6</i>	char	Record Axis 6 th Condition
<i>RCOND_7</i>	char	Record Axis 7 th Condition
<i>RCOND_8</i>	char	Record Axis 8 th Condition
<i>RCOND_9</i>	char	Record Axis 9 th Condition
<i>RCOND_10</i>	char	Record Axis 10 th Condition
<i>RCOND_11</i>	char	Record Axis 11 th Condition
<i>RCOND_12</i>	char	Record Axis 12 th Condition
<i>RCOND_13</i>	char	Record Axis 13 th Condition
<i>RCOND_14</i>	char	Record Axis 14 th Condition
<i>RCOND_15</i>	char	Record Axis 15 th Condition
<i>RCOND_16</i>	char	Record Axis 16 th Condition
<i>RCOND_17</i>	char	Record Axis 17 th Condition
<i>RCOND_18</i>	char	Record Axis 18 th Condition
<i>RCOND_19</i>	char	Record Axis 19 th Condition
<i>RCOND_20</i>	char	Record Axis 20 th Condition

The 1985 National Nursing Home Survey (NNHS) Linked Mortality File

Restricted-use File Layout

<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
-----------------	------------------	--------------------------

Survey Data - [See Detailed Notes](#)

<i>DOBMONTH</i>	numeric	Month of Birth
		01 January
		02 February
		03 March
		04 April
		05 May
		06 June
		07 July
		08 August
		09 September
		10 October
		11 November
		12 December

<i>DOBDAY</i>	numeric	Day of Birth
		01 - 31 Day

<i>DOBYEAR</i>	numeric	Year of Birth
		1876 – 1982 Year

<i>ADMMONTH</i>	numeric	Month of Admission
		01 January
		02 February
		03 March
		04 April
		05 May
		06 June
		07 July
		08 August
		09 September
		10 October
		11 November
		12 December

The 1985 National Nursing Home Survey (NNHS) Linked Mortality File

Restricted-use File Layout

<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
<i>ADMDAY</i>	numeric	Day of Admission
		01 - 31 Day
<i>ADMYEAR</i>	numeric	Year of Admission
		1932 – 1986 Day
<i>DISMONTH</i>	numeric	Month of Discharge
		01 January
		02 February
		03 March
		04 April
		05 May
		06 June
		07 July
		08 August
		09 September
		10 October
		11 November
		12 December
		99 Unavailable
		Blank Current Resident
<i>DISDAY</i>	numeric	Day of Discharge
		01 - 31 Day
		99 Unavailable
		Blank Current Resident
<i>DISYEAR</i>	numeric	Year of Discharge
		1983 - 1986 Year
		9999 Unavailable
		Blank Current Resident

The 1985 National Nursing Home Survey (NNHS) Linked Mortality File

Restricted-use File Layout

<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
<i>INTVMONTH</i>	numeric	Month of 1985 NNHS Interview
		01 January
		02 February
		03 March
		04 April
		05 May
		06 June
		07 July
		08 August
		09 September
		10 October
		11 November
		12 December
<i>INTVDAY</i>	numeric	Day of 1985 NNHS Interview
		01 - 31 Day
<i>INTVYEAR</i>	numeric	Year of 1985 NNHS Interview
		1984 - 1986 Year
<i>NOKMONTH</i>	numeric	Month of NOK Interview – See Detailed Notes
		01 January
		02 February
		03 March
		04 April
		05 May
		06 June
		07 July
		08 August
		09 September
		10 October
		11 November
		12 December
		Blank Ineligible for NOK or NOK interview not obtained

The 1985 National Nursing Home Survey (NNHS) Linked Mortality File

Restricted-use File Layout

<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
<i>NOKDAY</i>	numeric	Day of NOK Interview – See Detailed Notes
		01 - 31 Day
		Blank Ineligible for NOK or NOK interview not obtained
<i>NOKYEAR</i>	numeric	Year of NOK Interview – See Detailed Notes
		1984 – 1986 Year
		Blank Ineligible for NOK or NOK interview not obtained
<i>W1MONTH</i>	numeric	Month of NNHSF Wave I Interview
		08 August
		09 September
		10 October
		11 November
		12 December
		Blank Ineligible for Wave I or Wave I interview not obtained
<i>W1DAY</i>	numeric	Day of NNHSF Wave I Interview
		01 - 31 Day of Wave I Interview
		Blank Ineligible for Wave I or Wave I interview not obtained
<i>W1YEAR</i>	numeric	Year of NNHSF Wave I Interview
		1987 Year of Wave I Interview
		Blank Ineligible for Wave I or Wave I interview not obtained
<i>W2MONTH</i>	numeric	Month of NNHSF Wave II Interview
		07 July
		08 August
		09 September
		11 November
		Blank Ineligible for Wave II or Wave II interview not obtained

The 1985 National Nursing Home Survey (NNHS) Linked Mortality File

Restricted-use File Layout

<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
<i>W2DAY</i>	numeric	Day of NNHSF Wave II Interview
		01 - 31 Day of Wave II Interview
		Blank Ineligible for Wave II or Wave II interview not obtained
<i>W2YEAR</i>	numeric	Year of NNHSF Wave II Interview
		1988 Year of Wave II Interview
		Blank Ineligible for Wave II or Wave II interview not obtained
<i>W3MONTH</i>	numeric	Month of NNHSF Wave III Interview
		02 February
		03 March
		04 April
		06 June
		07 July
		Blank Ineligible for Wave III or Wave III interview not obtained
<i>W3DAY</i>	numeric	Day of NNHSF Wave III Interview
		01 - 31 Day of Wave III Interview
		Blank Ineligible for Wave III or Wave III interview not obtained
<i>W3YEAR</i>	numeric	Year of NNHSF Wave III Interview
		1990 Year of Wave III Interview
		Blank Ineligible for Wave III or Wave III interview not obtained
<i>SURVEYID</i>	numeric	1985 NNHSF Interview Last Completed – See Detailed Notes
		1 1985 NNHS Baseline Survey
		2 Next-of-Kin Survey Interview
		3 Wave I Followup Interview
		4 Wave II Followup Interview
		5 Wave III Followup Interview

The 1985 National Nursing Home Survey (NNHS) Linked Mortality File

Restricted-use Detailed Notes

RESNUM – Resident Record (Case) Number

The 1985 NNHS linked mortality data file includes all records from both the current resident and discharged resident files.

ELIGSTAT – Eligibility Status for Mortality Follow-Up

1985 NNHS participants are defined as ineligible for mortality linkage if they had insufficient identifying data to create a National Death Index submission record ([See Mortality Linkage Eligibility, Tables 1 and 2](#)). Please note that there are 225 records where there is an indication of deceased status on the 1985 NNHS public-use file but were ineligible for NDI linkage. On the 1985 NNHS Linked Mortality File, these cases are indicated as ineligible and do not have any mortality information associated with them. Analysts who want to keep these cases as deceased, based upon the survey indication of death, should note that there will be no cause of death information available.

MORTSTAT – Final Mortality Status

The MORTSTAT variable is NCHS's final determination of vital status and should be used as an outcome variable and to calculate survival. Each 1985 NNHS who is eligible for mortality follow-up is assigned a vital status code (0 = assumed alive; 1 = assumed deceased).

MORTALITY SOURCE. NCHS has multiple sources of information to determine the final mortality status of a 1985 NNHS survey participant. Variables indicating which source or sources were used to determine vital status are available on the linked mortality file and are described below. Any combination of these mortality sources was used to identify 1985 NNHS decedents. In a small number of cases, there are inconsistencies in the death information obtained during a 1985 NNHS survey period and the 1985 NNHS Linked Mortality File.

MORTSRCE_DCL – Mortality Source: Data Collection

A code 1 indicates that death information was obtained during the NNHS follow-up period. Analysts should note that there are records on the 1985 NNHS public-use file indicating deceased status but were ineligible for NDI matching. On the linked mortality file, these records are classified as ineligible, and thus have no source of mortality.

MORTSRCE_NDI - Mortality Source: NDI Match

A code 1 indicates that mortality status was ascertained through a probabilistic match to a National Death Index (NDI) record.

The 1985 National Nursing Home Survey (NNHS) Linked Mortality File

Restricted-use Detailed Notes

MORTSRCE_SSA - Mortality Source: SSA Information

A code 1 indicates that mortality status was obtained from the Social Security Administration (SSA).

MORTSRCE_CMS - Mortality Source: CMS Information

A code 1 indicates that mortality status was obtained from the Centers for Medicare and Medicaid Services (CMS).

DODYEAR – Year of Death

Year of death ranges from 1983 to 2006 for 1985 NNHS decedents. The 1985 NNHS documentation indicates that sampled discharged residents included residents who had been discharged dead or alive from the facility during the 365-day period preceding the day of the interview date. However, there are survey discharged dates that are prior to this 365-period and that has resulted in year of deaths that occur prior to the 365-day period.

CAUSEAVL – Cause of Death Data Available

Death certificate data is available only for cases where the variable MORTSTAT=1 and MORTSRCE_NDI = 1. Users should note that it is possible to have an NDI match but no cause of death data available.

SURVEY DATA

DATE OF BIRTH

Complete date of birth information has been provided on the linked mortality file for your convenience. Year of birth has not been bottom-coded. Where date of birth information is missing on the 1985 NNHS public-use file, it has been imputed with month = 06, day = 15, and YEAR = survey year minus a calculated age at interview.

DISYEAR and ***INTVYEAR***

The 1985 NNHS documentation indicates that sampled discharged residents included residents who had been discharged dead or alive from the facility during the 365-day period preceding the day of the interview date. However, there are survey discharged dates that are prior to this 365-period.

The 1985 NNHS documentation indicates that the study was conducted from August 1985 through January 1986. However, there are survey interview dates that are prior to this period, which may be cases from the pretest phase conducted prior to January 1985.

The 1985 National Nursing Home Survey (NNHS) Linked Mortality File

Restricted-use Detailed Notes

NOKMONTH – Month of NOK Interview,

NOKDAY – Day of NOK Interview,

NOKYEAR – Year of NOK Interview

Subsequent to the release of the 1985 NNHS Next-of-Kin (NOK) survey component, four additional discharged residents were identified as having more than one sampled stay. The NOK was designed to follow residents and not events. Thus, only the first stay for any resident was eligible for the NOK. The correct NOK sample size is 9073 rather than 9077 subjects.

SURVEYID – 1985 NNHSF Interview Last Completed

The 1985 NNHS collected baseline data for current and discharged residents. Four additional 1985 NNHS interview components, designed to supplement the baseline resident data and extend the period of data collection to 1990, included the Next-of-Kin (NOK) and the National Nursing Home Survey Follow-up (NNHSF) interviews Wave I, Wave II, and Wave III. The SurveyID code identifies the last survey interview from which some information was obtained.