

The 1997 National Nursing Home Survey (NNHS) Linked Mortality File

Restricted-use File Layout

<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
<i>FACID</i>	numeric	Patient Id 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>DODMONTH</i>	numeric	Month of Death
		01 January
		02 February
		03 March
		04 April
		05 May
		06 June

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<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
		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 1996 - 2006 Year Blank Ineligible or assumed alive
<i>AGEDEATH</i>	numeric	Age at Death 2 - 117 Age in years Blank Ineligible, assumed alive or unavailable
<i>AGEPRALV</i>	numeric	Age When Last Presumed Alive (as of December 31, 2006) 10 - 115 Age in years Blank Ineligible, assumed alive or unavailable
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 (1996-1998) See Underlying and Multiple Causes 001 – 999 Code range Blank Cause of death data not available or death after 1998

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<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
<i>UCOD_282</i>	char	ICD-9 (1996-1998) 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 (1996-1998) 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 (1996-1998) 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
<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

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

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

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
		99 Unavailable
<i>DOBDAY</i>	numeric	Day of Birth
		01 - 31 Day
		99 Unavailable
<i>DOBYEAR</i>	numeric	Year of Birth
		1881 – 1997 Year
		9999 Unavailable

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<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
<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
<i>ADMDAY</i>	numeric	Day of Admission
		01 - 31 Day
<i>ADMYEAR</i>	numeric	Year of Admission
		1951 - 1997 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
		Blank Current Resident

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<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
<i>DISDAY</i>	numeric	Day of Discharge
		01 - 31 Day
		Blank Current Resident
<i>DISYEAR</i>	numeric	Year of Discharge – See Detailed Note
		1996 - 1997 Year
		Blank Current Resident
<i>INTVMONTH</i>	numeric	Month of 1997 NNHS Interview
		07 July
		08 August
		09 September
		10 October
		11 November
		12 December
<i>INTVDAY</i>	numeric	Day of 1997 NNHS Interview
		01 - 31 Day
<i>INTVYEAR</i>	numeric	Year of 1997 NNHS Interview
		1997 Year

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Restricted-use Detailed Notes

FACID – Patient Id Number

The 1997 NNHS linked mortality data file includes all records from both the current resident and discharged resident files.

ELIGSTAT – Eligibility Status for Mortality Follow-Up

1997 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 148 records where there is an indication of deceased status on the 1997 NNHS public-use file but were ineligible for NDI linkage. On the 1997 NNHS Linked Mortality File, these cases are indicated as ineligibles 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 1997 NNHS participant 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 1997 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 1997 NNHS decedents.

MORTSRCE_DCL – Mortality Source: Data Collection

A code 1 indicates that death information was obtained during the 1997 NNHS survey period for Discharged Residents. Analysts should note that there are records on the 1997 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.

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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).

DODYEAR – Year of Death

Year of death ranges from 1996 to 2006 for 1997 NNHS decedents because sampled discharged residents included residents who had been discharged dead or alive from the facility as early as October 1996.

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

When available, complete date of birth information has been provided on the linked mortality file for your convenience. Year of birth has not been bottom-coded. When possible, where date of birth information is missing on the 1997 NNHS public-use file, it has been imputed with month = 06, day = 15, and YEAR = survey year minus a calculated age at interview.

DISYEAR – Year of Discharge

Year of discharge ranges from 1996 to 1997 for 1997 NNHS because sampled discharged residents included residents who had been discharged dead or alive from the facility as early as October 1996.