

The 2004 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
<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_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
		07 July
		08 August
		09 September
		10 October
		11 November
		12 December
		Blank Ineligible or assumed alive

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<i>DODDAY</i>	numeric	Day of Death 01 - 31 Day Blank Ineligible or assumed alive
<i>DODYEAR</i>	numeric	Year of Death 2004 - 2006 Year Blank Ineligible or assumed alive
<i>AGEDEATH</i>	numeric	Age at Death – See Detailed Notes 7 - 112 Age in years Blank Ineligible or assumed alive
<i>AGEPRALV</i>	numeric	Age When Last Presumed Alive (as of December 31, 2006) See Detailed Notes 3 - 106 Age in years Blank Ineligible or assumed deceased
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_10REV</i>	char	ICD-10 Underlying Cause of Death (2004-2006) See Underlying and Multiple Causes A00 – Y89.9 Code range Blank Cause of death data not available
<i>UCOD_358</i>	char	ICD-10 (2004-2006) Underlying Cause of Death 358 Groups Recode See Underlying and Multiple Causes 001 – 456 Code range Blank Cause of death data not available

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<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
<i>UCOD_39</i>	char	ICD-10 (2004-2006) Underlying Cause of Death 39 Groups Recode See Underlying and Multiple Causes
		001 – 042 Code range
		Blank Cause of death data not available
<i>UCOD_113</i>	char	ICD-10 (2004-2006) 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
<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

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

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

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<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>	
<i>DOBDAY</i>	numeric	Day of Birth	
		01 - 31	Day
<i>DOBYEAR</i>	numeric	Year of Birth	
		1893 - 2003	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		
99	Unavailable		
<i>ADMDAY</i>	numeric	Day of Admission	
		01 - 31	Day
		99	Unavailable
<i>ADMYEAR</i>	numeric	Year of Admission	
		1962 - 2004	Day
		9999	Unavailable
<i>INTVMONTH</i>	numeric	Month of 2004 NNHS Interview	
		01	January
		08	August
		09	September
		10	October
		12	December

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<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
<i>INTVDAY</i>	numeric	Day of 2004 NNHS Interview 01 - 31 Day
<i>INTVYEAR</i>	numeric	Year of 2004 NNHS Interview 2004 - 2005 Year
<i>AGEINTV</i>	numeric	Age at Interview - See Detailed Notes 1 - 110 Age in years

The 2004 National Nursing Home Survey (NNHS) Linked Mortality File

Restricted-use Detailed Notes

ELIGSTAT – Eligibility Status for Mortality Follow-Up

2004 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 all 2004 NNHS participants are included on the linked mortality files.

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 2004 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 2004 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 2004 NNHS decedents.

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.

MORTSRCE_SSA - Mortality Source: SSA Information

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

AGEDEATH – Age at Death

Misreporting or discrepancies in reported age at baseline or date of birth can result in values for age at death that may be inconsistent with baseline age. [See Analytic Guidelines.](#)

AGEPRALV – Age When Last Presumed Alive (age as of December 31, 2006)

Misreporting or discrepancies in reported age at baseline or date of birth can result in values for age when last presumed alive that may be inconsistent with baseline age. [See Analytic Guidelines.](#)

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Restricted-use Detailed Notes

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 AGE AND DATE OF BIRTH VARIABLES.

Age at interview (AGEINTV) has been provided on the linked mortality file for your convenience. Age has not been top-coded.

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, it has been imputed with month = 06, day = 15, and YEAR = survey year minus the age at interview. In some cases, inconsistencies in date of birth and date of interview information can result in a calculated age at interview that is inconsistent with reported age at interview on the 2004 NNHS public-use file. There has been no attempt to reconcile this information.