

The NHANES I Epidemiological Follow-up Study (NHEFS) Linked Mortality File Restricted-use File Layout

<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
<i>SEQN</i>	numeric	NHANES I Sample Sequence Number
<i>ELIGSTAT</i>	numeric	Eligibility Status for Mortality Follow-up – See Detailed Notes
		1 Eligible
Death Information		
<i>MORTSTAT</i>	numeric	Final Mortality Status – See Detailed Notes
		0 Assumed alive
		1 Assumed deceased
<i>MORTSRCE_DCL</i>	numeric	Mortality Source: Data Collection – See Detailed Notes
		0 No
		1 Yes
		Blank Assumed alive
<i>MORTSRCE_DC</i>	numeric	Mortality Source: Death Certificate Match – See Detailed Notes
		0 No
		1 Yes
		Blank Assumed alive
<i>MORTSRCE_NDI</i>	numeric	Mortality Source: NDI Match – See Detailed Notes
		0 No
		1 Yes
		Blank Assumed alive
<i>MORTSRCE_SSA</i>	numeric	Mortality Source: SSA Information – See Detailed Notes
		0 No
		1 Yes
		Blank Assumed alive

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<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>	
<i>MORTSRCE_CMS</i>	numeric	Mortality Source: CMS Information – See Detailed Notes	
		0	No
		1	Yes
		Blank	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	Assumed alive
<i>DODDAY</i>	numeric	Day of Death	
		01 - 31	Day
		Blank	Assumed alive
<i>DODYEAR</i>	numeric	Year of Death	
		1971 - 2006	Year
		Blank	Assumed alive
<i>AGEDEATH</i>	numeric	Age at Death – See Detailed Notes	
		28 -105	Age in years
		Blank	Assumed alive
<i>AGEPRALV</i>	numeric	Age When Last Presumed Alive (as of December 31, 2006) See Detailed Notes	
		56 - 109	Age in years
		Blank	Assumed deceased

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<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 Assumed alive
<i>ICD_9REV</i>	char	ICD-9 Underlying Cause of Death (1971-1998) 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 (1971-1998) 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 (1971-1998) 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 (1971-1998) 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

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<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 or no entity axis conditions listed on the death certificate
<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

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<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
<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 or no record axis conditions listed on the death certificate
<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

<i>DOBMONTH</i>	numeric	Month of Birth
		01 January
		02 February
		03 March
		04 April

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<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>	
		05	May
		06	June
		07	July
		08	August
		09	September
		10	October
		11	November
		12	December
<i>DOB</i> <i>DAY</i>	numeric	Day of Birth	
		01 - 31	Day
<i>DOB</i> <i>YEAR</i>	numeric	Year of Birth	
		1895 - 1950	Year
<i>DOE</i> <i>MONTH</i>	numeric	Month of NHANES I Exam	
		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>DOE</i> <i>DAY</i>	numeric	Day of NHANES I Exam	
		01 - 31	Day
<i>DOE</i> <i>YEAR</i>	numeric	Year of NHANES I Exam	
		1971 - 1975	Year

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<u>VARIABLE</u>	<u>DATA TYPE</u>	<u>FIELD DESCRIPTION</u>
<i>AGEEXAM</i>	numeric	Age at NHANES I Exam - See Detailed Notes 24 - 77 Age in years

The NHANES I Epidemiological Follow-up Survey (NHEFS) Linked Mortality File Restricted-use Detailed Notes for Selected Variables

ELIGSTAT – Eligibility Status for Mortality Follow-Up

NHEFS 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 NHEFS participants are eligible for NDI record linkage.

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 NHEFS 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 NHEFS 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 NHEFS as decedents. In a small number of cases, there are inconsistencies in the death information obtained during a NHEFS follow-up period and the NHEFS Linked Mortality File.

MORTSRCE_DCL – Mortality Source: Data Collection

Death information was obtained from a NHEFS proxy decedent interview.

MORTSRCE_DC – Mortality Source: Death Certificate

Death certificates may be reviewed to compare information provided on the death certificate with data collected from NHEFS survey records in order to assist NCHS in determining if a potential National Death Index match record correctly matches the NCHS survey participant.

MORTSRCE_NDI - Mortality Source: NDI Match

Mortality status was ascertained through a probabilistic match to a National Death Index (NDI) record.

MORTSRCE_SSA - Mortality Source: SSA Information

Mortality status was obtained from the Social Security Administration (SSA).

MORTSRCE_CMS - Mortality Source: CMS Information

Mortality status was obtained from the Centers for Medicare and Medicaid Services (CMS).

The NHANES I Epidemiological Follow-up Survey (NHEFS) Linked Mortality File Restricted-use Detailed Notes for Selected Variables

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.](#)

CAUSEAVL – Cause of Death Data Available

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

AGEEXAM - Survey Data Age at NHANES I Exam

Years of age at exam has been provided on the linked mortality file for your convenience.