

NCHS Mortality Linkage Program

- Designed to maximize the scientific value of the NCHS population-based surveys
- Enables researchers to examine the association of a variety of health factors with mortality, using the richness of NCHS health surveys

Background: Linked Mortality Public-use Data Release

- Risk of respondent re-identification prevented public-use release of linked mortality data files
- Based upon BSC recommendation, conducted disclosure risk analyses
- Developed data perturbation strategy to protect respondent identity, while maintaining statistical validity

Summary NCHS Linked Mortality Data Files

	Current Data Releases (death data through 2000/2002)		Future Data Releases (2009) (death data through 2005/2006)	
	Restricted-use	Public-use	Restricted-use	Public-use
NHIS 1986-2000	X	X	X	X
NHIS 2001-2004			X	X
LSOA II	X	X	X	X
NHANES I	X		X	X
NHANES II	X		X	X
NHANES III	X	X	X	X
NHANES 1999-2004			X	X
NNHS 1985	X		X	
NNHS 1995			X	
NNHS 1997			X	

Supporting Documentation for Linked Mortality Data

- File layouts
- Matching methodology reports
- Analytic guidelines
- Comparative analysis of the public-use and restricted-use data
- Guide to weighting and variance estimation (NHIS)
- Sample input statements for SAS & STATA for Public-use Linked Mortality Files



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Data Topics

- > [Aging](#)
- > [Births](#)
- > [Deaths](#)
- > [Disease Classification](#)
- > [Growth Charts](#)
- > [Health Care](#)
- > [Health Insurance](#)
- > [Injuries](#)
- > [Physical Activity](#)
- > [More Data Topics...](#)

Publications and Reports

- > [Health, United States](#)
- > [Health E-Stats](#)
- > [More Publications...](#)

Accessing Data

- > [Data Warehouse](#)
- > [Data Access Tools](#) including [SETS](#), [DATA2010](#), and our [pretabulated tables](#)
- > [Public Use Data Files \(FTP Server\)](#)
- > [Research Data Center \(RDC\)](#)
- > [Data Linkage Activities](#)
- > [National Death Index \(NDI\)](#)
- > [CDC Data and Statistics](#)

What's New!



NHANES III Public-use Linked Mortality File Released. New mortality follow-up data available for NHANES III...[more](#)



U.S. Life Expectancy Hits New High of Nearly 78 Years. Most recent U.S. Mortality Statistics now available...[more](#)



NHIS Public-use Linked Mortality Files Released. New mortality follow-up data available for 1986-2000 NHIS...[more](#)



Provisional Vital Statistics for 2006 Released. Births, Marriages, Divorces, and Deaths: Provisional Data for 2006 [PDF](#)



Final Mortality Stats for 2004 Released. Latest Comprehensive Report on Death Trends in the U.S. [PDF](#)

[More Releases...](#)

About NCHS

As the Nation's principal health statistics agency, we compile statistical information to guide actions and policies to improve health [more...](#)



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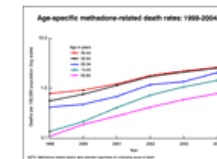
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Featured Stats!



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Highlights

- > [Extramural Research and Training Program](#) [PDF](#)
- > [Healthy People 2010](#)
- > [NHANES Tutorial](#)
- > [VitalStats](#)
- > [Tour the New CDC.gov Home Page!](#)

Survey Participants:

Have you been selected to take part in a survey? [Information for survey](#)

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Research and Development

National Health Interview Survey Linked Mortality Files

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- [Data files](#)
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- [Tabular data](#)
- [Related reports](#)
- [Contacts](#)

Description of the data set

In 2004, NCHS conducted an updated linkage of the [National Health Interview Survey \(NHIS\)](#) to death certificate data found in the [National Death Index \(NDI\)](#). Linkage of the NHIS survey participants with the NDI provides the opportunity to conduct studies designed to investigate the association of a variety of health factors with mortality, using the richness of the NHIS questionnaires. NCHS has created two versions of the new NHIS Linked Mortality Files: [public-use files](#) that include a limited set of mortality variables and [restricted-use files](#) that include more detailed mortality information. NCHS recommends that researchers use these new linked mortality files as they supersede all prior data releases of the NHIS Linked Mortality Files.

Data files

- [Public-use Data](#)
- [Restricted-use Data](#)

Data file description

Both the public-use and restricted-use NHIS Linked Mortality Files include the NHIS survey years 1986 to 2000 with mortality follow-up through December 31, 2002. Mortality information is based upon the results from a probabilistic match between NHIS and NDI death certificate records. All NHIS participants are included on the linked mortality files, but only adult participants (those 18 years and older) were eligible for mortality follow-up. Each NHIS survey year (1986-2000) is available on a separate data file, with a

REA
SPECIFIC

**FROM THE SURVEY SPECIFIC PAGE,
ANALYSTS CAN DOWNLOAD THE PUBLIC
DATA OR GET INFORMATION REGARDING THE
RESTRICTED FILES**



Background: Linked Mortality Public-use Data Release

■ Problem/Issue

- Risk of respondent disclosure prevented a public-use release of previously highly utilized mortality linked data files
- BSC recommendation to study ways to release public-use linked mortality files

■ Solution

- Conducted disclosure risk analyses to determine extent of NCHS respondent re-identification risk
- Developed perturbation strategy to ensure protection of respondent identity, while maintaining statistical validity
- Cleared by NCHS Disclosure Review Board