



# IHIS: Facilitating use and analysis of NHIS data, 1969-present

Miriam L. King

Andrew C. Ward

Pamela Jo Johnson



# Outline

- Overview
- Background to IHIS
- IHIS Collaborators
- Key components to integration project
  - Harmonization
  - Documentation
  - Dissemination
- IHIS data releases

# Overview

- The Integrated Health Interview Series (IHIS) is a five-year NICHD-funded collaboration at U of MN
  - School of Public Health
  - Minnesota Population Center
  
- Harmonize, document, and disseminate publicly-available data from NHIS for the period from 1969 to the present

# Utilization of NHIS Data

- Empirical studies published 1978 – 2003 (n = 999)
  - Search “National Health Interview Survey”
- Random sample of 100 studies using NHIS
- Reviewed studies and tabulated the data files used
  - 70% used a single year of data
  - < 25% used data from before 1986
  - No studies used data from all available years

# Challenges to NHIS Data Use

- Complexity discourages use of multiple years of data
- Multiple codebooks and files
  - Variable locations, coding schemes, and response categories may change over time
- Critical challenges include:
  - Managing a large number of distinct files
  - Making key documentation easily accessible for each survey year
  - Harmonizing various file structures, sample weighting schemes, and variables

# IHIS Inventory (unintegrated)

- Current emphasis is 1969 - 2006
  - Data files: >400
    - Range = 5 to 16 files per year
    - Levels: household, family, person, episodes
  - Variables: ~34,000 unique variable names
  - Household records: ~1.5 million
  - Person records: ~4 million
  - Lines of data: ~ 20 million
  - Documentation pages: Too many to count...
    - In 2000, for example, there are over 3,000 pages of documentation describing 2,451 unique variables

# Integrating the NHIS

- IHIS builds on model of the Integrated Public Use Microdata Series (IPUMS)
  - see [www.ipums.org](http://www.ipums.org)
- IPUMS spurred new research using harmonized microdata of U.S. census from 1850-2000
- IHIS enhances the value of NHIS data and promotes new research
  - Access to harmonized data and comprehensive documentation from entire period
  - Consistent comparisons across 40 years of dramatic change in public health

# IHIS Components

- Harmonization
- Documentation
- Dissemination
  - <http://www.ihis.us>



# Harmonization: Translation Table

	A	B	C	F	S	AH
1	<b>code</b>	<b>label</b>	<b>syntax</b>	ih1969	ih1982	ih1997
2	<b>rectype</b>	MARSTAT		P	P	P
3	<b>columns</b>	Legal marital status		60	88	78
4	<b>norecode</b>			0	0	0
5	<b>hide</b>					
6	<b>proj1</b>			P60	P48	P40
7	<b>proj2</b>					
8	<b>proj3</b>					
9	<b>&lt;tt&gt;</b>					
10	0	NIU	NIU		0=Under 14 years	0=Under 14 years
11	0			0=Under 17 years		
12	1	Married	Married	1=Married		
13	2	Married - Spouse present	Married - Spouse present		1=Married - Spouse in household	1=Married - Spouse in household
14	3	Married - Spouse not in household	Married - Spouse not in household		2=Married - Spouse not in household	2=Married - Spouse not in household
15	4	Married - Spouse in household unknown	Married - Spouse in household unknown			3=Married - Spouse in household unknown
16	5	Widowed	Widowed	2=Widowed	3=Widowed	4=Widowed
17	6	Divorced	Divorced	4=Divorced	4=Divorced	5=Divorced
18	7	Separated	Separated	5=Separated	5=Separated	6=Separated
19	8	Never married	Never married	3=Never married	6=Never married	7=Never married
20	9	Unknown marital status	Unknown marital status		7=Unknown	9=Unknown marital status
21	<b>&lt;/tt&gt;</b>					
22	<b>&lt;univ&gt;</b>					
23	ih1969=1981	1969-1981	Persons age 17+.			
24	ih1982=2003	1982-2003	Persons age 14+.			
25	<b>&lt;/univ&gt;</b>					
26	<b>&lt;Notes&gt;</b>					
27	<b>Comments</b>					

# Data Dissemination

[Comments and Questions](#) | [Download IHIS Brochure](#)



## INTEGRATED HEALTH INTERVIEW SERIES



**▼ DATA**

- [Data Options](#)
- [Create an Extract](#)
- [Download/Revise Extracts](#)
- [Register as a New User](#)
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**▼ DOCUMENTATION**

- [FAQ](#)
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- [User Notes](#)
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- [Citation](#)

### Welcome

The Integrated Health Interview Series (IHIS) is a harmonized set of data and documentation based on material originally included in the public use files of the U.S. National Health Interview Survey (NHIS) and distributed for free over the internet.

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**IHIS currently consists of more than 800 integrated variables selected from more than 2000 variables included in the core survey household and person files for 1969-2005, the sample adult/sample child files for 1997-2005, and the Access to Care supplements for 1993-96.**

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**As a user note explains, researchers can now easily link IHIS data to data from the original public use files of the NHIS. This allows researchers to incorporate NHIS variables and supplements that are not yet part of IHIS into their research.**

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NHIS is the principal source of information on the health of the U.S. population, covering such topics as general health status, the distribution of acute and chronic illness, functional limitation, access to and use of medical services, and insurance coverage. The IHIS facilitates cross-time comparisons of these invaluable survey data by coding variables identically across time. With IHIS microdata (information about individual persons and households), researchers can use their desired set of variables to create tabulations and multivariate analyses tailored to their particular research questions. The IHIS provides detailed documentation covering comparability issues and on-line codes and frequencies for each harmonized variable. IHIS data



# Variable Availability

**Variable Availability**

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#)

<p><b><u>HOUSEHOLD RECORD</u></b></p> <ul style="list-style-type: none"><li><a href="#">Technical Household Variables</a></li><li><a href="#">Geography Variables</a></li><li><a href="#">Housing Characteristics Variables</a></li><li><a href="#">DCP Programming Variables</a></li></ul>	<p><b><u>PERSON RECORD</u></b></p> <ul style="list-style-type: none"><li><a href="#">Technical Person Variables</a><ul style="list-style-type: none"><li><a href="#">Technical Person</a></li></ul></li><li><a href="#">Demographic Variables</a><ul style="list-style-type: none"><li><a href="#">Core Demographic</a></li><li><a href="#">Family Interrelationships</a></li><li><a href="#">Ethnicity/Nativity</a></li><li><a href="#">Language</a></li><li><a href="#">Veteran Status</a></li></ul></li><li><a href="#">Socio-Economic Status Variables</a><ul style="list-style-type: none"><li><a href="#">Education</a></li><li><a href="#">Work</a></li><li><a href="#">Income</a></li></ul></li><li><a href="#">General Health Variables</a><ul style="list-style-type: none"><li><a href="#">General Health</a></li></ul></li><li><a href="#">Medical Care/Access Variables</a><ul style="list-style-type: none"><li><a href="#">Medical Care</a></li><li><a href="#">Alternative Health</a></li><li><a href="#">Medical Care Access</a></li><li><a href="#">Child Special Needs</a></li><li><a href="#">Insurance</a></li><li><a href="#">Shots</a></li></ul></li><li><a href="#">Conditions Variables</a><ul style="list-style-type: none"><li><a href="#">Condition</a></li><li><a href="#">Arthritis</a></li><li><a href="#">Asthma</a></li><li><a href="#">Asthma Symptoms</a></li><li><a href="#">Cancer</a></li><li><a href="#">Diabetes</a></li></ul></li></ul>
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# Variable Availability in IHIS

## General Health Variables (P) [\[top\]](#)

Variable Name	Variable Label	Codes	05	04	03	02	01	00	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70		
<a href="#">BDDAY2WK</a>	Bed disability days in past 2 weeks	<a href="#">codes</a>	.	.	.	.	.	.	.	.	.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
<a href="#">BEDAYR</a>	Bed disability days, past 12 months	<a href="#">codes</a>	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.		
<a href="#">BEDAYR2</a>	Bed disability days in past 12 months, intervalled	<a href="#">codes</a>	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
<a href="#">BMI</a>	Body mass index	<a href="#">codes</a>	X	X	X	X	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
<a href="#">BMICALC</a>	Body Mass Index, calculated from publicly released height and weight variables	<a href="#">codes</a>	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
<a href="#">BWGTGRAM</a>	Birth weight, in grams	<a href="#">codes</a>	X	X	X	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
<a href="#">BWGTLB</a>	Birth weight, in pounds	<a href="#">codes</a>	X	X	X	X	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
<a href="#">BWGTOZ</a>	Birth weight, ounces only	<a href="#">codes</a>	X	X	X	X	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
<a href="#">DESIREWGT</a>	Desirable body weight	<a href="#">codes</a>	.	.	X	X	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
<a href="#">HEALTH</a>	Health status	<a href="#">codes</a>	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
<a href="#">HEIGHT</a>	Height in inches without shoes	<a href="#">codes</a>	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
<a href="#">HEIGHTM</a>	Height in meters	<a href="#">codes</a>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
<a href="#">HSTATYR</a>	Health status compared to 1 year ago	<a href="#">codes</a>	X	X	X	X	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
<a href="#">RADAY2WK</a>	Other restricted activity days in past 2 weeks	<a href="#">codes</a>	.	.	.	.	.	.	.	.	.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
<a href="#">RADAY2WKRSID</a>	Other restricted activity days in past 2 weeks - Residual Measure	<a href="#">codes</a>	.	.	.	.	.	.	.	.	.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	.	.	.	.	.	.	.	.	.	X	X	X	X	
<a href="#">RADAY2WKTOT</a>	Total restricted activity days in past 2 weeks	<a href="#">codes</a>	.	.	.	.	.	.	.	.	.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
<a href="#">SLDAY2WK</a>	School loss days in past two weeks	<a href="#">codes</a>	.	.	.	.	.	.	.	.	.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
<a href="#">SLDAYR</a>	School loss days, past 12 months	<a href="#">codes</a>	X	X	X	X	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<a href="#">WEIGHT</a>	Weight in pounds without clothes or shoes	<a href="#">codes</a>	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
<a href="#">WEIGHTK</a>	Weight in kilograms	<a href="#">codes</a>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
<a href="#">WLDAY2WK</a>	Work loss days in past 2 weeks	<a href="#">codes</a>	.	.	.	.	.	.	.	.	.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
<a href="#">WLDAYR</a>	Work loss days, past 12 months	<a href="#">codes</a>	X	X	X	X	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

## Medical Care Variables (P) [\[top\]](#)



# Variable Description & Comparability

## Variable Description

### BEDAYR2

Bed disability days in past 12 months, intervalled

#### Availability

1976-2005

#### Universe

1976-1996: All persons.  
1997-2005: Sample adults age 18+.

#### [Codes](#)

#### Description

BEDAYR2 reports, in broad intervals, the number of days during the preceding 12 months that illness or injury kept the person in bed for more than half the day, including days while hospitalized.

#### Comparability – General

For 1976-1981 versus 1982-2003, there were subtle differences in the initial question used to elicit the information for BEDAYR2. For the earlier period, interviewers asked, "During the past 12 months (that is, since (date) a year ago), ABOUT how many days did illness or injury keep [person] in bed all or most of the day? (Include the days in the past 2 weeks.) (Include the days while a patient in a hospital.)" For the later period, interviewers asked, "During the past 12 months, (that is, since 12-month date a year ago), ABOUT how many days did illness or injury keep [person] in bed more than half of the day? (Include days while an overnight patient in a hospital.)" Comparability may be slightly compromised by the specification of "all or most of the day" versus "more than half the day" and "while a patient in a hospital" versus "while an overnight patient in a hospital."

For 1976-1981, follow-up questions encouraged respondents to supply answers falling into broad intervals. Specifically, interviewers asked, "Was it more than 7 days or less than 7 days? Was it more than 30 days or less than 30 days? Was it more than half the year or less than half the year?" The values for BEDAYR2--None, 1-7 days, 8-30 days, 31-180 days, 181-365--mirror the intervals mentioned in these follow-up questions. Beginning in 1982, the follow-up questions were dropped, and respondents had to supply a single number falling between 0 and 365 (for 1982-1996) or 0 and 366 (for 1997 forward). To facilitate comparisons over time, BEDAYR2 recodes the more detailed responses for 1982 forward into the broad intervals that are the only information available in the public use files for 1976-1981. Researchers who are only interested in data from 1982 or later may wish to analyze the non-intervalled data on bed days during the preceding 12 months, included in [BEDAYR](#).

There was a significant change in the variable universe, with all persons included up through 1996 and only sample adults included for 1997 forward. Researchers may wish to restrict the data for BEDAYR2 to persons age 18 and older when comparing results before and after 1997.

# Variable Codes and Frequencies

## BEDAYR2

Bed disability days in past 12 months, intervalled

For more information about BEDAYR2, see the [variable description](#)

An 'X' indicates the category is available for that sample.

[Case-Count View](#)

	Code	05	04	03	02	01	00	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	
NIU	0	X	X	X	X	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	NIU	
None	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	None	
1-7 days	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1-7 days	
8-30 days	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	8-30 days	
31-180 days	4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	31-180 days	
181-365 days	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	181-365 days	
Unknown	9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Unknown	

[Category Availability View](#)

	Code	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
NIU	0	67221	63134	61296	62342	67434	68244	66258	66345	67361	.	.	.	.	.	.	.	.	.	.	.	.
None	1	20008	19729	19811	19799	20538	20057	19223	19795	21397	35920	57811	63730	59284	70743	66439	66227	63753	67380	67690	33586	50453
1-7 days	2	8488	8607	7974	8365	9383	9103	8757	9370	11012	20817	33893	39757	38278	43697	40557	40273	39827	40950	40904	20904	30048
8-30 days	3	1652	1655	1617	1501	1838	1872	1649	1882	2153	4084	6774	8285	8335	9447	8870	8983	9221	9574	9923	5372	7782
31-180 days	4	603	637	651	609	678	629	549	722	817	1243	1910	2453	2311	2658	2439	2462	2474	2537	2651	1376	2041
181-365 days	5	162	115	175	164	176	153	119	170	207	316	601	668	579	745	669	648	602	646	637	318	490
Unknown	9	515	583	624	606	713	560	504	501	530	1022	1478	1286	884	1122	1058	1038	1052	1223	1054	496	717

# Variable Codes (Composite Coding)

## RACEA

Main Racial Background (Pre-1997 Revised OMB Standards), self-reported or interviewer reported

For more information about RACEA, see the [variable description](#)

An 'X' indicates the category is available for that sample.

[Case-Count View](#)

Code	05	04	03	02	01	00	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69
White	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Black/African-American	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aleut, Alaskan Native, or American Indian								X	X						X	X	X	X	X	X	X	X	X	X	X	X											
Alaskan Native or American Indian	X	X	X	X	X	X																					X										
Alaskan Native/Eskimo										X	X	X																									
Aleut										X	X	X																									
American Indian										X	X	X	X																								
Asian or Pacific Islander															X	X	X	X	X	X	X	X	X	X	X	X	X	X									
Asian																																					
Chinese	X	X	X	X	X	X	X	X	X	X	X	X	X	X																							
Filipino	X	X	X	X	X	X	X	X	X	X	X	X	X	X																							
Korean											X	X	X	X																							
Vietnamese											X	X	X	X																							
Japanese											X	X	X	X																							
Asian Indian	X	X	X	X	X	X	X	X	X		X	X	X	X																							
Pacific Islander																																					
Hawaiian											X	X	X	X																							
Samoa											X	X	X	X																							
Guamian											X	X	X	X																							
Other Asian or Pacific Islander																																					

# Data Extract Preferences

**Sample Selection**

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**Extract File Type**

Rectangular  
 Hierarchical

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**Command Files Format**

SAS  
 SPSS  
 Stata

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**Samples**

<input type="checkbox"/> 1969	<input type="checkbox"/> 1970	<input type="checkbox"/> 1980	<input type="checkbox"/> <a href="#">1990</a>	<input type="checkbox"/> 2000
	<input type="checkbox"/> 1971	<input type="checkbox"/> 1981	<input type="checkbox"/> <a href="#">1991</a>	<input type="checkbox"/> 2001
	<input type="checkbox"/> 1972	<input type="checkbox"/> 1982	<input type="checkbox"/> <a href="#">1992</a>	<input type="checkbox"/> 2002
	<input type="checkbox"/> 1973	<input type="checkbox"/> 1983	<input type="checkbox"/> <a href="#">1993</a>	<input type="checkbox"/> 2003
	<input type="checkbox"/> 1974	<input type="checkbox"/> 1984	<input type="checkbox"/> <a href="#">1994</a>	<input type="checkbox"/> 2004
	<input type="checkbox"/> 1975	<input type="checkbox"/> 1985	<input type="checkbox"/> <a href="#">1995</a>	<input type="checkbox"/> 2005
	<input type="checkbox"/> 1976	<input type="checkbox"/> 1986	<input type="checkbox"/> <a href="#">1996</a>	
	<input type="checkbox"/> 1977	<input type="checkbox"/> 1987	<input type="checkbox"/> <a href="#">1997</a>	
	<input type="checkbox"/> 1978	<input type="checkbox"/> 1988	<input type="checkbox"/> <a href="#">1998</a>	
	<input type="checkbox"/> 1979	<input type="checkbox"/> 1989	<input type="checkbox"/> <a href="#">1999</a>	

All 1970-1979   
  All 1980-1989   
  All 1990-1999   
  All 2000-2005



# Data Extract Variable Selection

## General Health Variables (P) [\[top\]](#)

Variable Name	Variable Label	05	00	95	90	85	80	75	70
<input type="checkbox"/> <a href="#">BDDAY2WK</a>	Bed disability days in past 2 weeks	.	.	X	X	X	X	X	X
<input type="checkbox"/> <a href="#">BEDAYR</a>	Bed disability days, past 12 months	X	X	X	X	X	.	.	.
<input type="checkbox"/> <a href="#">BEDAYR2</a>	Bed disability days in past 12 months, intervalled	X	X	X	X	X	X	.	.
<input type="checkbox"/> <a href="#">BMI</a>	Body mass index	X	X	.	.	.	.	.	.
<input type="checkbox"/> <a href="#">BMICALC</a>	Body Mass Index, calculated from publicly released height and weight variables	X	X	X	X	X	X	.	.
<input type="checkbox"/> <a href="#">HEALTH</a>	Health status	X	X	X	X	X	X	X	.
<input type="checkbox"/> <a href="#">HEIGHT</a>	Height in inches without shoes	X	X	X	X	X	X	.	.
<input type="checkbox"/> <a href="#">HSTATYR</a>	Health status compared to 1 year ago	X	X	.	.	.	.	.	.
<input type="checkbox"/> <a href="#">RADAY2WK</a>	Other restricted activity days in past 2 weeks	.	.	X	X	X	X	X	X
<input type="checkbox"/> <a href="#">RADAY2WKRSID</a>	Other restricted activity days in past 2 weeks - Residual Measure	.	.	X	X	X	.	.	X
<input type="checkbox"/> <a href="#">RADAY2WKTOT</a>	Total restricted activity days in past 2 weeks	.	.	X	X	X	X	X	.
<input type="checkbox"/> <a href="#">SLDAY2WK</a>	School loss days in past two weeks	.	.	X	X	X	X	X	X
<input type="checkbox"/> <a href="#">SLDAYR</a>	School loss days, past 12 months	X	X	.	.	.	.	.	.
<input type="checkbox"/> <a href="#">WEIGHT</a>	Weight in pounds without clothes or shoes	X	X	X	X	X	X	.	.
<input type="checkbox"/> <a href="#">WLDAY2WK</a>	Work loss days in past 2 weeks	.	.	X	X	X	X	X	X
<input type="checkbox"/> <a href="#">WLDAYR</a>	Work loss days, past 12 months	X	X	.	.	.	.	.	.

## Medical Care Variables (P) [\[top\]](#)

Variable Name	Variable Label	05	00	95	90	85	80	75	70
<input type="checkbox"/> <a href="#">CARE10X</a>	Received care 10+ times in past 12 months	X	X	.	.	.	.	.	.
<input type="checkbox"/> <a href="#">CHECKUP</a>	Had checkup in past 12 months	X	X	.	.	.	.	.	.

# Data Extract Summary

## Summary

### Samples

ih1970  
ih1975  
ih1980

### Extract File Type

Rectangular

### Command File Format

STATA

### Variables

H [YEAR](#)  
H [SERIAL](#)  
H [STRATA](#)  
H [PSU](#)

If you would like to make changes to your extract request...

[Change Sample Selection](#)

[Change Variable Selection](#)

If your extract request is complete...

Please provide a description of this extract

Trend analysis of X, Y, and Z

# Download Data & Documentation

## Extracts for Download

Click on the extract number in the leftmost column to revise that extract.  
Click [here](#) to refresh your display.

Request	Created	Description	Data	Codebook	Command
<a href="#">020</a>	Jun 16, 2007, 13:23:21	Trend analysis of X, Y, and Z		<a href="#">codebook</a>	<a href="#">STATA</a>
<a href="#">019</a>	Jun 14, 2007, 11:21:09	Revision of 018 (Revision of 017 (testing new SAS code for NHISHID and NHISPID with no formats)) RESUBMIT	<a href="#">data</a>	<a href="#">codebook</a>	<a href="#">SAS</a>
<a href="#">018</a>	Jun 14, 2007, 10:55:46	Revision of 017 (testing new SAS code for NHISHID and NHISPID with no formats)		<a href="#">codebook</a>	<a href="#">SAS</a>
<a href="#">017</a>	Jun 14, 2007, 10:54:12	testing new SAS code for NHISHID and NHISPID with no formats		<a href="#">codebook</a>	<a href="#">SAS</a>
<a href="#">016</a>	Jun 14, 2007, 10:06:44	Revision of 015 (Revision of 011 (test SAS format code))	<a href="#">data</a>	<a href="#">codebook</a>	<a href="#">SAS</a>
<a href="#">015</a>	Jun 13, 2007, 18:32:46	Revision of 011 (test SAS format code)	<a href="#">data</a>	<a href="#">codebook</a>	<a href="#">SAS</a>
<a href="#">014</a>	Jun 13, 2007, 17:33:29	Revision of 013 (Revision of 012 (Revision of 011 (also check YEARP) in STATA	<a href="#">data</a>	<a href="#">codebook</a>	<a href="#">STATA</a>
<a href="#">013</a>	Jun 13, 2007, 17:32:32	Revision of 012 (Revision of 011 (test SAS format code)) also check YEARP	<a href="#">data</a>	<a href="#">codebook</a>	<a href="#">SAS</a>
<a href="#">012</a>	Jun 13, 2007, 17:08:40	Revision of 011 (test SAS format code)	<a href="#">data</a>	<a href="#">codebook</a>	<a href="#">SAS</a>

# IHIS Data Releases

- First public data release: **November 2006**
- Second public data release: **June 25 2007**
  - Coincided with 50<sup>th</sup> Anniversary Celebration of NHIS
- IHIS now includes over 1000 integrated variables from:
  - Household and Person files for 1969-2006
  - Sample Adult/Sample Child files for 1997-2006
  - Access to Care supplements 1993-1996

# NHIS-IHIS Linking Keys

- Unique identifiers for each person and household within each survey year
  - A single variable, which is comparable across years
  - Constructed from a series of data elements in the NHIS
  - Consistent with NHIS unique identifiers
- Allows data from the original NHIS public use files to be linked to IHIS data files
  - In cases where a variable is not yet in IHIS
- User note provides guidance on linking
- Stata and SAS syntax files provided to facilitate linking process

# Future IHIS Data Releases

- Additional IHIS data will be released to the public once or twice per year
  - Accommodate other units of analysis, such as conditions, doctor visits, hospital episodes
  - Incorporate harmonized variables from other NHIS data files\*
  - Include soon-to-be released data from newly created NHIS public-use files from 1963 – 1968
  - On-line questionnaire text linked to the corresponding variable descriptions
  - On-line tabulation capability, variable search engine, and improved user interface available by early 2008

# For Additional Information



- <http://www.ihis.us>
- [ihis@pop.umn.edu](mailto:ihis@pop.umn.edu)



STATE HEALTH ACCESS DATA ASSISTANCE CENTER

- <http://www.shadac.umn.edu>



- <http://www.pop.umn.edu>