IPUMS

User Extract nhis_00002.dat

Jump to Section

1. Document Description
2. Study Description
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4. Variable Description

§ 1. Document Description

Citation

Title Statement	
Title:	Codebook for an Integrated Health Interview Series Data Extract
Subtitle:	DDI 2.5 metadata describing the extract file 'nhis_00002.dat'
Identification Number:	ddi2-0d4d3640-9f16-013e-fb1b-02420a1c0304-nhis_00002.dat-nhis.ipums.org
Responsibility Statement	
Authoring Entity:	IPUMS
Affiliation:	University of Minnesota
Production Statement	
Producer:	IPUMS

Affiliation:	University of Minnesota
Role:	Documentation
Date of Production:	November 9, 2025
Place of Production:	IPUMS, 50 Willey Hall, 225 - 19th Avenue South, Minneapolis, MN 55455
Distribution Statement	
Contact Persons:	IPUMS
Affiliation:	University of Minnesota
URI:	https://ipums.org

§ 2. Study Description

Citation

Title Statement	
Title:	User Extract nhis_00002.dat
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Distribution Statement	
Contact Persons:	IPUMS
Affiliation:	University of Minnesota
URI:	https://ipums.org
Version Statement	
Date:	2025-11-09

Study Scope

Subject Information	
Topic Classification:	Technical Household Variables -- HOUSEHOLD
	Geography Variables -- HOUSEHOLD
	Technical Person Variables -- PERSON
	Core Demographic Variables -- PERSON
	Ethnicity/Nativity Variables -- PERSON
	Work Variables -- PERSON

	Condition Variables -- PERSON
	High Cholesterol Variables -- PERSON
	Hypertension Variables -- PERSON
	Smoking Variables -- PERSON
	Physical Activity Variables -- PERSON
	Sleep Variables -- PERSON
	Fatigue Variables -- PERSON
	Mortality Variables -- PERSON
Summary Data Description	
Time Period:	2015
Country:	United States
Notes	
Note:	Additional notes on a sample that is part of this study: 2015 NHIS

Data Access - Use Statement

Confidentiality Declaration
The Public Health Service Act (Section 308 (d)) provides that the data collected by the National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), may be used only for the purpose of health statistical reporting and analysis. Any effort to determine the identity of any reported case is prohibited by this law. NCHS does all it can to assure that the identity of data subjects cannot be disclosed. All direct identifiers, as well as any characteristics that might lead to identification, are omitted from the data files. Any intentional identification or disclosure of a person or establishment violates the assurances of confidentiality given to the providers of the information. Therefore, users will: Use the data in these data files for statistical reporting and analysis only.

Make no use of the identity of any person or establishment discovered inadvertently and advise the Director, NCHS, of any such discovery (301-458-4500).

Not link these data files with individually identifiable data from other NCHS or non-NCHS data files.

By using these data, you signify your agreement to comply with the above-stated statutorily-based requirements.

Contact Persons:	Integrated Health Interview Series
Affiliation:	IPUMS
URI:	http://www.nhis.ipums.org/

Citation Requirement

Publications and research reports based on the NHIS database must cite it appropriately. The citation is as follows:

Lynn A. Blewett, Julia A. Rivera Drew, Andrew Fenelon, Miriam L. King, Kari C.W. Williams, Daniel Backman, Etienne Breton, Grace Cooper, and Stephanie Richards. IPUMS Health Surveys: National Health Interview Survey, Version 8.1 [dataset]. Minneapolis, MN: IPUMS, 2025. https://doi.org/10.18128/D071.V8.1

If possible, citations should also include the URL for the NHIS site: http://www.nhis.ipums.org.

Please see http://www.nhis.ipums.org/nhis/citation.shtml for precise formatting of the citation.

Conditions

The Public Health Service Act (Section 308 (d)) provides that the data collected by the National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), may be used only for the purpose of health statistical reporting and analysis. Any effort to determine the identity of any reported case is prohibited by this law. NCHS does all it can to assure that the identity of data subjects cannot be disclosed. All direct identifiers, as well as any characteristics that might lead to identification, are omitted from the data files. Any intentional identification or disclosure of a person or establishment violates the assurances of confidentiality given to the providers of the information.

Therefore, users must:

Use the data in these data files for statistical reporting and analysis only.

Make no use of the identity of any person or establishment discovered inadvertently and advise the Director, NCHS, of any such discovery (301-458-4500).

Not link these data files with individually identifiable data from other NCHS or non-NCHS data files.

By using these data, you signify your agreement to comply with the above-stated statutorily-based requirements.

Furthermore, users of NHIS data must agree to abide by the conditions of use. Users must agree to the following conditions:

(1) Use the data in these data files for statistical reporting and analysis only

(2) Make no use of the identity of any person or establishment discovered inadvertently and advise the Director of NCHS of any such discovery (301-458-4500)

(3) Do not link these data with individually-identifiable data from NCHS or non-NCHS data files

(4) No fees may be charged for use or distribution of the data. All persons are granted a limited license to use and distribute these data, but you may not charge a fee for the data if you distribute them to others.

(5) Cite the NHIS appropriately. Publications and research reports based on the database must cite it appropriately. Please see http://www.nhis.ipums.org/nhis/citation.shtml

(6) NHIS cannot be used to study small geographic areas. The smallest geographical areas identified in the NHIS are regions (groups of states) and a limited number of metropolitan areas.

(7) This system provides individual-level data only. The NHIS Data Extraction System will not produce tables. You will need to use a statistical software package, such as Stata, SAS, or SPSS, to analyze the downloaded data. Alternatively, you may use the NHIS-SDA tabulator to produce tables online, without making a data extract.

Disclaimer

The user of the data acknowledges that the original collector of the data, the authorized distributor of the data, and the relevant funding agency bear no responsibility for use of the data or for interpretations or inferences based upon such uses.

Study Notes

Notes	
Note:	User-provided description: Revision of 00001
	This extract is a revision of the user's previous extract, ID 50760463.

§ 3. File Description

File

File Name:	nhis_00002.dat
Contents of Files:	Microdata records
Type:	rectangular

File Type:	ISO-8859-1 data file
Data Format:	fixed length fields
Place of File Production:	IPUMS, 50 Willey Hall, 225 - 19th Avenue South, Minneapolis, MN 55455

§ 4. Variable Description

Jump to Variable

1. YEAR (Survey year)
2. SERIAL (Sequential Serial Number, Household Record)
3. STRATA (Stratum for variance estimation)
4. PSU (Primary sampling unit (PSU) for variance estimation)
5. NHISHID (NHIS Unique identifier, household)
6. HHWEIGHT (Household weight, final annual)
7. REGION (Region of residence)
8. PERNUM (Person number within family/household (from reformatting))
9. NHISPID (NHIS Unique Identifier, person)
10. HHX (Household number (from NHIS))
11. FMX (Family number (from NHIS))
12. PX (Person number of respondent (from NHIS).)
13. PERWEIGHT (Final basic annual weight)
14. SAMPWEIGHT (Sample Person Weight)
15. FWEIGHT (Final annual family weight)
16. SUPP1WT (Supplemental Person Weight 1)
17. ASTATFLG (Sample adult flag)
18. CSTATFLG (Sample child flag)
19. AGE (Age)
20. SEX (Sex)
21. YRSINUSG (Number of years spent in the U.S. (grouped year estimate))
22. CITIZEN (U.S. citizenship)
23. OCC (Detailed occupation)
24. HOURSWRK (Total hours worked last week or usually)

25. WRKARRNG (Work arrangement)
26. CHOLHIGHYR (Had high cholesterol, past 12 months)
27. HYPERTENYR (Had hypertension, past 12 months)
28. CHOLMEDNOW (Now taking prescribed medicine to lower cholesterol)
29. HYPMEDNOW (Now taking prescribed medicine to lower blood pressure)
30. SMOKESTATUS2 (Cigarette smoking recode 2: Current detailed/former/never)
31. MOD10FWK (Frequency of moderate activity 10+ minutes: Times per week)
32. VIG10FWK (Frequency of vigorous activity 10+ minutes: Times per week)
33. STRONGFWK (Frequency of strengthening activity: Times per week)
34. HRSLEEP (Usual hours sleep per day)
35. SLEEPFALL (Number of times having trouble falling asleep, past week)
36. SLEEPSTAY (Number of times having trouble staying asleep, past week)
37. SLEEPMEDS (Number of times taking medication for sleep, past week)
38. SLEEPREST (Days woke up feeling rested, past week)
39. TIREFREQ3MO (Frequency of feeling exhausted in last 3 months)
40. TIREDURALAST (Duration of exhaustion, last time)
41. TIREFEELEVL (Level of exhaustion, last time had exhaustion)
42. MORTSTAT (Final mortality status)
43. MORTUCODLD (Leading underlying cause of death (ICD-10))
44. MORTHYPR (Hypertension flag from multiple cause of death (MCOD))
45. MORTWTSA (Sample adult weight adjusted for ineligible respondents in mortality analysis)

Variable: "YEAR"

Name:	YEAR
Label:	Survey year
Variable Text:	YEAR is a four-digit variable reporting the calendar year (e.g., 2003) the survey was conducted and the data were collected. YEAR indicates the survey year reported on the household record.
Concept:	Technical Household Variables -- HOUSEHOLD
Start Position:	1

End Position:	4
Width:	4
Variable Format:	numeric
Implied Decimal Places:	0
Coder Instructions:	This is a 4-digit numeric variable with 0 implied decimal places

Variable: "SERIAL"

Name:	SERIAL
Label:	Sequential Serial Number, Household Record
Variable Text:	SERIAL is an IPUMS NHIS-constructed value that is an identifying number unique to each household in a given survey year. The combination of YEAR and SERIAL provides a unique identifier for every household in the IPUMS NHIS database.
Concept:	Technical Household Variables -- HOUSEHOLD
Start Position:	5
End Position:	10
Width:	6
Variable Format:	numeric
Implied Decimal Places:	0
Coder Instructions:	CodesSERIAL is a 6-digit numeric variable.

Variable: "STRATA"

Name:	STRATA
Label:	Stratum for variance estimation
Variable Text:	STRATA is an IPUMS NHIS-constructed variable based on the NHIS sample design variables in the public use files concatenated with a sample design period indicator. STRATA represents the impact of the sample design stratification on the estimates of variance and standard errors. It is constant within a sample design period and changes between sample design periods. For analysis, researchers need to use STRATA in conjunction with PSU to account for stratification and clustering when computing variance estimates with IPUMS NHIS data. See the User Notes on variance estimation for additional information. After the 2019 redesign, there is no longer a sampling weight to produce household population estimates. See the user note on the calculation and use of sampling weights for additional information.
Concept:	Technical Household Variables -- HOUSEHOLD
Start Position:	11
End Position:	14
Width:	4
Variable Format:	numeric
Implied Decimal Places:	0
Coder Instructions:	CodesSTRATA is a 5-digit numeric variable. 000: Not in Universe

Variable: "PSU"

Name:	PSU
Label:	Primary sampling unit (PSU) for variance estimation

Variable Text:	PSU is the primary sampling unit variable that represents the impact of the sample design clustering on the estimates of variance and standard errors. It is constant within a sample design period and changes between sample design periods. For analysis, researchers need to use PSU in conjunction with STRATA to account for stratification and clustering when computing variance estimates with IPUMS NHIS data. See the User Notes on variance estimation for additional information. After the 2019 redesign, there is no longer a sampling weight to produce household population estimates. See the user note on the calculation and use of sampling weights for additional information.
Concept:	Technical Household Variables -- HOUSEHOLD
Start Position:	15
End Position:	17
Width:	3
Variable Format:	numeric
Implied Decimal Places:	0
Coder Instructions:	CodesPSU is a 3-digit numeric variable. 000: Not in Universe

Variable: "NHISHID"

Name:	NHISHID
Label:	NHIS Unique identifier, household
Variable Text:	NHISHID is an IPUMS NHIS-constructed value that is an identifying number unique to each household in a given survey year. Using NHISHID, analysts can link IPUMS NHIS data with additional household-level data elements, from the NHIS source public use data files, that are not currently available in IPUMS. NHISHID is a single variable constructed by concatenating multiple data elements from the NHIS source data files. Analysts wishing to link person-level NHIS data should use the person-level linking key NHISPID. See the user note on LINKING for instructions on how to create links between IPUMS NHIS and NHIS source data. After the 2019 redesign, there is no longer a sampling weight to produce household population estimates. See the user note on the calculation and use of sampling

	weights for additional information.
Concept:	Technical Household Variables -- HOUSEHOLD
Start Position:	18
End Position:	31
Width:	14
Variable Format:	character
Implied Decimal Places:	0
Coder Instructions:	CodesNHISHID is a 14-character string variable.

Variable: "HHWEIGHT"

Name:	HHWEIGHT
Label:	Household weight, final annual
Variable Text:	HHWEIGHT is an IPUMS NHIS-constructed variable based on the Final Annual Household Weight for 1997 forward and the Final Basic Weight in 1969-1996 NHIS public use files. HHWEIGHT represents the inverse probability of household selection into the sample, adjusted for non-response. For analyses using the household as the unit of analysis (e.g., how many households contained a person who needed help with activities of daily living?), researchers should use the household weight. Rather than using HHWEIGHT, researchers should use PERWEIGHT or SAMPWEIGHT when analyzing person-level variables or variables from the sample adult/sample child supplements from 1997 forward. See the User Notes on the use of sampling weights for additional information.
Concept:	Technical Household Variables -- HOUSEHOLD
Start Position:	32
End Position:	37

Width:	6
Variable Format:	numeric
Implied Decimal Places:	0
Coder Instructions:	CodesHHWEIGHT is a 6-digit numeric variable.

Variable: "REGION"

Name:	REGION
Label:	Region of residence
Variable Text:	REGION reports the region of the U.S. where the housing unit containing survey participants was located. The geographic information included in REGION was added during processing, rather than ascertained via questioning. REGION is the smallest geographic unit identified in the IPUMS NHIS data for 1985 forward. In 1968-1984, a limited number (under 30) of metropolitan areas were also identified (METAREA). The four regions--Northeast, North Central/Midwest, South, and West--correspond to the U.S. regions recognized by the Census Bureau. Divisions and states included in the four regions are as follows: Northeast: New England Division (Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut) and Middle Atlantic Division (New York, New Jersey, and Pennsylvania) North Central/Midwest: East North Central Division (Michigan, Ohio, Indiana, Illinois, Wisconsin) and West North Central Division (Minnesota, Iowa, Missouri, North Dakota, South Dakota, Kansas, and Nebraska) South: South Atlantic Division (Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida), East South Central Division (Kentucky, Tennessee, Mississippi, and Alabama), and West South Central Division (Texas, Arkansas, Oklahoma, and Louisiana) West: Pacific Division (Washington, Alaska, Oregon, California, and Hawaii) and Mountain Division (Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, and Nevada). After the 2019 redesign, there is no longer a sampling weight to produce household population estimates. See the user note on the calculation and use of sampling weights for additional information.
Concept:	Geography Variables -- HOUSEHOLD

Start Position:	38
End Position:	39
Width:	2
Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label
01	Northeast
02	North Central/Midwest
03	South
04	West
08	NO DATA IN ROUND
09	Unknown

Variable: "PERNUM"

Name:	PERNUM
Label:	Person number within family/household (from reformatting)

Variable Text:	PERNUM is an IPUMS NHIS-constructed variable that numbers all persons within each family or within each household consecutively (starting with "1") in the order in which they appear in the original NHIS data. PERNUM was created by IPUMS NHIS during the process of reformatting the original NHIS public use files. Prior to 2019, PERNUM numbers all persons within each family. Beginning in 2019, PERNUM numbers all person within a household and has a maximum of "2," as only the sample child and sample adult are identified in the original NHIS data. For more information, see the Comparability section.
Concept:	Technical Person Variables -- PERSON
Start Position:	40
End Position:	41
Width:	2
Variable Format:	numeric
Implied Decimal Places:	0
Coder Instructions:	CodesPERNUM is a 2-digit numeric variable.

Variable: "NHISPID"

Name:	NHISPID
Label:	NHIS Unique Identifier, person
Variable Text:	NHISPID is an IPUMS NHIS-constructed value that is an identifying number unique to each person in a given survey year. Using NHISPID, analysts can link IPUMS NHIS data with additional data elements, from the NHIS source public use data files, that are not currently available in IPUMS. For example, researchers can use NHISPID to link variables in IPUMS NHIS with other variables from the core NHIS files variables. Alternatively, users may use NHISPID to link variables from IPUMS with variables from NHIS supplements that are not yet part of IPUMS NHIS. NHISPID is a single variable constructed by concatenating multiple data elements from the NHIS source data files. Analysts wishing to link household-level NHIS data should use the household-level linking key NHISHID. See the user note on LINKING for instructions on how to create links between IPUMS NHIS and NHIS source data.
Concept:	Technical Person Variables -- PERSON

Start Position:	42
End Position:	57
Width:	16
Variable Format:	character
Implied Decimal Places:	0
Coder Instructions:	CodesNHISPID is a 16-character string variable.

Variable: "HHX"

Name:	HHX
Label:	Household number (from NHIS)
Variable Text:	For sample adults and sample children, HHX reports the person's household number on the original NHIS data. HHX is unique within sample but only unique across samples when combined with information on year. Prior to 2019, this variable was available for all persons.
Concept:	Technical Person Variables -- PERSON
Start Position:	58
End Position:	64
Width:	7
Variable Format:	character
Implied Decimal Places:	0

Coder Instructions:	This is a 7-digit numeric variable with 0 implied decimal places

Variable: "FMX"

Name:	FMX
Label:	Family number (from NHIS)
Variable Text:	For all persons, FMX reports the person's family number within the household, as documented on the family record on the original NHIS data. FMX is unique only when combined with information on year and household.
Concept:	Technical Person Variables -- PERSON
Start Position:	65
End Position:	66
Width:	2
Variable Format:	character
Implied Decimal Places:	0
Coder Instructions:	This is a 2-digit numeric variable with 0 implied decimal places

Variable: "PX"

Name:	PX
Label:	Person number of respondent (from NHIS).
Variable Text:	PX is the original person number assigned to each individual by the NHIS. PX is unique only when combined with information on year, household, and family.
Concept:	Technical Person Variables -- PERSON

Start Position:	67
End Position:	68
Width:	2
Variable Format:	character
Implied Decimal Places:	0
Coder Instructions:	CodesPX is a 2-digit numeric variable.

Variable: "PERWEIGHT"

Name:	PERWEIGHT
Label:	Final basic annual weight
Variable Text:	PERWEIGHT is an IPUMS NHIS-constructed variable based on the Final Annual Weight in the original NHIS public use files. This weight should be used for many analyses at the person level, particularly with variables for which information was collected about all family members. PERWEIGHT represents the inverse probability of selection into the sample, adjusted for non-response with post-stratification adjustments for age, race/ethnicity, and sex using the Census Bureau's population control totals. For each year, the sum of these weights is equal to that year's civilian, non-institutionalized U.S. population. There are instances, however, when the researcher should use a different person-level weight, particularly with supplements where a random adult or child family member was selected for questioning. For example, researchers analyzing variables from the sample adult/sample child supplements from 1997 forward should use SAMPWEIGHT rather than PERWEIGHT. Users should review the documentation for extracted variables--most notably the "Weights" section toward the top of each variable description--to ascertain which weight is the appropriate choice for a given survey year. See the User Notes on the use of sampling weights for additional information.
Concept:	Technical Person Variables -- PERSON
Start Position:	69
End Position:	80
Width:	12

Variable Format:	numeric
Implied Decimal Places:	0
Coder Instructions:	CodesPERWEIGHT is a 12-digit numeric variable.

Variable: "SAMPWEIGHT"

Name:	SAMPWEIGHT
Label:	Sample Person Weight
Variable Text:	SAMPWEIGHT is an IPUMS NHIS-constructed variable that represents, with a few exceptions, the random selection of a sample person in the household to complete a supplement survey. (The exceptions to this generalization are the 1983 health insurance supplement and 1993 health insurance, access to care, and family resources supplements, which were asked of all persons in the second half of the year.) For survey years 1997 forward, SAMPWEIGHT is based on the Final Annual Sample Adult and Sample Child Weights in the original NHIS public use files. This weight should be used with variables taken from the sample adult or sample child supplements for 1997 on (as indicated by the supplement title in the "Source" section toward the top of each variable description). SAMPWEIGHT also contains the sampling weights for a subset of the pre-1997 supplements, for which the definition of a sample person, and the rules governing the selection of sample persons, are less consistent. The universe statements for SAMPWEIGHT document who was included in the supplements requiring use of this weight on a year-by-year basis. SAMPWEIGHT consistently represents the inverse probability of selection into a supplement, adjusted for non-response with additional post-stratification adjustments for age, race/ethnicity, and sex using the Census Bureau's population control totals. Users should review the documentation for extracted variables--most notably the "Weights" section toward the top of each variable description--to ascertain which weight is the appropriate choice for a given survey year. See the User Notes on the use of sampling weights for additional information.
Concept:	Technical Person Variables -- PERSON
Start Position:	81
End Position:	92
Width:	12

Variable Format:	numeric
Implied Decimal Places:	3
Coder Instructions:	CodesSAMPWEIGHT is a 12-digit numeric variable with three implied decimals. That is, values of 012345678912 should be interpreted as 12345678.912. The command files delivered with IPUMS extracts automatically divide SAMPWEIGHT by 1,000, so no further adjustment is needed.

Variable: "FWEIGHT"

Name:	FWEIGHT
Label:	Final annual family weight
Variable Text:	FWEIGHT is a variable based on the Final Annual Weight in the original NHIS public use files. This weight should be used for many analyses at the family level, particularly with variables for which information was collected about family characteristics. Creating FWEIGHT requires using independent estimates of the number of families from a reliable source such as the U.S. Census Bureau in order to perform post-stratification adjustments in a manner similar to what was done for the person-level weights. However, such independent estimates do not exist. As a result, the NHIS used the "principle person" method to create family-level weights. The person weight with the smallest ratio adjustment within each family was used as a proxy for the family-level ratio adjustment. This method is believed to provide a more accurate estimate of the total number of U.S. families than either the use of other person weights within the family or the use of no ratio adjustments at all. Therefore, the Family weight contains factors for selection probabilities at the household level, household non-response adjustment, and several ratio adjustment factors that are applied to all person weights.Users should review the documentation for extracted variables--most notably the "Weights" section toward the top of each variable description--to ascertain which weight is the appropriate choice for a given survey year. See the User Notes on the use of sampling weights for additional information.
Concept:	Technical Person Variables -- PERSON
Start Position:	93
End Position:	104
Width:	12
Variable Format:	numeric

Implied Decimal Places:	6
Coder Instructions:	CodesFWEIGHT is a 6-digit numeric variable.

Variable: "SUPP1WT"

Name:	SUPP1WT
Label:	Supplemental Person Weight 1
Variable Text:	SUPP1WT is an IPUMS NHIS-constructed variable that harmonizes the sampling weights for a select subset of the supplements of the original NHIS public use files. In this case, harmonization refers to putting weights from various years and source supplement files into a single, consistently named variable. The majority of weights included in SUPP1WT come from the supplement surveys for childhood immunization (years 1992-2003), smoking (1978-1980), family medical expenses (1975-1976), and AIDS knowledge and attitudes (1987-1995). In some cases, SUPP1WT represents a randomly selected person from a household; for example, a sample person age 18 and older was selected for the 1990 AIDS supplement. In other cases, the survey was also administered to all persons within a specific age group; for example, the 1998 childhood immunization supplement was administered to a sample child under 18 plus all children age 12-35 months. SUPP1WT represents the inverse probability of selection into a supplement, adjusted for non-response with additional post-stratification adjustments for age, race/ethnicity, and sex using the Census Bureau's population control totals. Beginning in 2011, the weights included in SUPP1WT are associated with variables from the Functioning and Disability supplement. Users should review the documentation for extracted variables--most notably the "Weights" section toward the top of each variable description--to ascertain which weight is the appropriate choice for a given survey year. See the User Notes on the use of sampling weights for additional information.
Concept:	Technical Person Variables -- PERSON
Start Position:	105
End Position:	113
Width:	9
Variable Format:	numeric

Implied Decimal Places:	0
Coder Instructions:	CodesSUPP1WT is a 9-digit-numeric variable. 0: Not in Universe

Variable: "ASTATFLG"

Name:	ASTATFLG
Label:	Sample adult flag
Variable Text:	ASTATFLG identifies the record of a sample adult. A sample adult is the one person over age 18 per household who is randomly selected to complete the sample adult questionnaire. For 1997-2018, a sample adult is the one adult per family who was selected at random by the computerized survey instrument to answer additional health-related questions, under the survey design instituted in 1997. All persons other than sample adults (those not having the value 1 in ASTATFLG) are coded as "not in universe" for variables derived from the additional questions asked only of sample adults. (Some additional questions were asked of both sample adults and sample children.) Every adult in each family, except for active duty armed forces members, was eligible to be selected as the sample adult. Prior to 2019, ASTATFLG has the value "no one selected as sample adult" (code 4) for all adults in the family in the following two cases: 1) sample adult status was incorrectly assigned to someone in the armed forces, or 2) it could not be ascertained which adult in the family was chosen as sample adult. For 2020 only, SALNGPRTFLG further distinguishes between sample adults included in the longitudinal sample and sample adults included in the partial sample. Please see the user note on COVID-related changes to the NHIS for more information on the longitudinal and partial samples. A similar flag variable, CSTATFLG, identifies the record of a sample child. This variable is automatically included in all extracts, but only has valid values for 1997 forward.
Concept:	Technical Person Variables -- PERSON
Start Position:	114
End Position:	114
Width:	1

Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label
0	NIU
1	Sample adult, has record
2	Sample adult, no record
3	Not selected as sample adult
4	No one selected as sample adult
5	Armed forces member
6	AF member, selected as sample adult

Variable: "CSTATFLG"

Name:	CSTATFLG
Label:	Sample child flag
Variable Text:	CSTATFLG identifies the record of a sample child. A sample child is the one person under age 18 per household who is randomly selected to complete the sample child questionnaire. For 1997-2018, the sample child is the one person under age 18 per family who was selected at random by the computerized survey instrument for additional health-related questions, under the survey design instituted in 1997. All persons other than sample children (those not having the value 1 in CSTATFLG) are coded as "not in universe" for variables derived from these additional questions asked only of sample children. (Some additional questions were asked of both sample adults and sample children.)

	Prior to 2019, Every child in each family, except for active duty armed forces members and emancipated minors, was eligible to be selected as the sample child. Emancipated minors are persons age 14 to 17 who are married or living with a partner OR who live on their own without the supervision of a parent, other adult family member, or legal guardian. CSTATFLG has the value "no one selected as sample child" (code 4) for all children in the family in the following two cases prior to 2019: 1) if sample child status was incorrectly assigned to someone who was ineligible, or 2) if it was unknown which child in the family was chosen as sample child. A similar flag variable, ASTATFLG, identifies the record of a sample adult. This variable is automatically included in all extracts, but only has valid values for 1997 forward.
Concept:	Technical Person Variables -- PERSON
Start Position:	115
End Position:	115
Width:	1
Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label
0	NIU
1	Sample child-has record
2	Sample child-no record

3	Not selected as sample child
4	No one selected as sample child
5	Emancipated minor

Variable: "AGE"

Name:	AGE
Label:	Age
Variable Text:	AGE reports the individual's age, in years since their last birthday. Starting in 2019, "Unknown-refused" and "Unknown-don't know" are allowed responses. Prior to 2019 age is not coded as "unknown" for any persons included in the IPUMS NHIS data. As the public use file's codebooks for 1998-2003 state, "Because age is an important variable for instrument check items and in developing the weights, all respondents must have data on age."
Concept:	Core Demographic Variables -- PERSON
Start Position:	116
End Position:	118
Width:	3
Variable Format:	numeric
Implied Decimal Places:	0
Coder Instructions:	CodesAGE is a 3-digit-numeric variable. 085: Top code for 85 years or older (1963-1968 and 1997-forward) 090: Top code for 90 years or older (1996 only) 099: Top code for 99 years or older (1969-1995) 997: Unknown-refused 998: Unknown-not ascertained 999: Unknown-don't know

Variable: "SEX"

Name:	SEX
Label:	Sex
Variable Text:	SEX indicates whether the person was male or female. Starting in 2019, "Unknown-refused" and "Unknown-don't know" responses are allowed. Prior to 2019, SEX is not coded as "unknown" for any persons included in the IPUMS NHIS data. According to the 2020 Survey Description, for some variables, including SEX, the 2020 responses of sample adults that were part of the 2020 longitudinal sample were overwritten with their 2019 responses "to mitigate disclosure risks associated with differences in response from repeated measures among the same Sample Adults" (33). The sample adults' actual 2020 responses can be accessed through a Research Data Center (RDC). For more information on the 2020 longitudinal sample, please see SALNGPRTFLG.
Concept:	Core Demographic Variables -- PERSON
Start Position:	119
End Position:	119
Width:	1
Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label
1	Male

2	Female
7	Unknown-refused
8	Unknown-not ascertained
9	Unknown-don't know

Variable: "YRSINUSG"

Name:	YRSINUSG
Label:	Number of years spent in the U.S. (grouped year estimate)
Variable Text:	For sample children and sample adults (or, prior to 2019, all persons) born outside the United States, YRSINUSG indicates how long they have been living in the United States. In most cases, this information was collected via the question, "In what year did you come to the United States to stay?" If the response to this question was "refused" or "don't know," the interviewer tried to collect the information via an alternatively phrased question: "About how long have you been in the United States?" The data included in the public use files for YRSINUSG are recodes of the responses to these questions, with each answer in the form of a calendar year converted to a number of years present. The calendar year format of the initial question would have increased the precision of responses by discouraging rounding; the recoded format (number of years present) is easier for researchers to analyze. According to the 2020 Survey Description, for some variables, including YRSINUSG, the 2020 responses of sample adults that were part of the 2020 longitudinal sample were overwritten with their 2019 responses "to mitigate disclosure risks associated with differences in response from repeated measures among the same Sample Adults" (33). The sample adults' actual 2020 responses can be accessed through a Research Data Center (RDC). For more information on the 2020 longitudinal sample, please see SALNGPRTFLG.
Concept:	Ethnicity/Nativity Variables -- PERSON
Start Position:	120
End Position:	120
Width:	1
Variable Format:	numeric

Implied Decimal Places:	0

Categories

Value	Label
0	NIU
1	Less than 1 year
2	1 year to less than 5 years
3	5 years to less than 10 years
4	10 years to less than 15 years
5	15 years or more
7	Unknown-refused
8	Unknown-not ascertained
9	Unknown-don't know

Variable: "CITIZEN"

Name:	CITIZEN
Label:	U.S. citizenship
Variable Text:	For all sample children and sample adults who did not have a don't know, not ascertained, or refused response to whether they were born in the United States or a United States territory (USBORN), CITIZEN indicates whether the individual was a U.S. citizen. Prior to 2019, this variable was available for all persons. According to the 2020 Survey Description, for some variables, including CITIZEN, the 2020 responses of sample adults that were part of the 2020 longitudinal sample were

	overwritten with their 2019 responses "to mitigate disclosure risks associated with differences in response from repeated measures among the same Sample Adults" (33). The sample adults' actual 2020 responses can be accessed through a Research Data Center (RDC). For more information on the 2020 longitudinal sample, please see SALNGPRTFLG.
Concept:	Ethnicity/Nativity Variables -- PERSON
Start Position:	121
End Position:	121
Width:	1
Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label
1	No, not U.S. citizen
2	Yes, U.S. citizen
7	Unknown--refused
8	Unknown--not ascertained
9	Unknown--don't know

Variable: "OCC"

Name:	OCC
Label:	Detailed occupation
Variable Text:	OCC reports the sample person's primary occupation, coded into a contemporary Classified Index of Occupation (from 1969 to 1982) and the Standard Occupational Classification (from 1983 and forward). Please see the Comparability and Universe tabs for more information on how this variable was constructed. To increase comparability over time, the IPUMS NHIS provides OCC1995, which applies a common occupational classification system over time. This recoded variable is also discussed at the "User Note on Occupation and Industry Variables".
Concept:	Work Variables -- PERSON
Start Position:	122
End Position:	123
Width:	2
Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label
00	

Variable: "HOURSWRK"

Name:	HOURSWRK
Label:	Total hours worked last week or usually

Variable Text:	For sample adults aged 18+ (and all persons age 18+ in 2004-2018) who worked at a paid or unpaid job or business last week, held a seasonal or contract position last week, or were not working last week because they were on vacation, on family/maternity leave, unable to work for health reasons, HOURSWRK reports the total hours that the sample person worked in the past week. or in the past two weeks at all jobs/ businesses or at the main job/business. The universe and time period for HOURSWRK were somewhat different for 1979 and 1991. HOURSWORK reports total hours worked in the past two weeks for sample persons aged 17+ in 1979 who, during the past 2 weeks, worked, had a job or business from which they were temporarily absent, or looked for work or were on layoff; in 1991, HOURSWORK reports total work hours worked in the past two weeks for sample persons aged 18+ in 1991 who were employed in the past 2 weeks and worked for a private company or the federal, state, or local government. Please refer to the Universe and Comparability tabs for more information about changes in the universe, time period, and the types of jobs included in HOURSWRK. Beginning in 2019, sample adults aged 18+ who held a seasonal or contract position last week continued to be identified by NCHS as included in the universe for HOURSWORK, but were omitted from the HOURSWRK question and had their responses set to "Unknown - Not Ascertained."
Concept:	Work Variables -- PERSON
Start Position:	124
End Position:	125
Width:	2
Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label
00	NIU
01	1
02	2

03	3
04	4
05	5
06	6
07	7
08	8
09	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21

22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40

41	41
42	42
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67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78

79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95+ hours
97	Unknown--refused
98	Unknown--not ascertained

99	Unknown--don't know

Variable: "WRKARRNG"

Name:	WRKARRNG
Label:	Work arrangement
Variable Text:	For sample persons aged 18 and older who are currently employed or were employed at some point in the past 12 months, WRKARRNG reports the sample person's work arrangement. Respondents are given a list of 6 categories to choose from. Please refer to the codes tab for more information.
Concept:	Work Variables -- PERSON
Start Position:	126
End Position:	126
Width:	1
Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label
0	NIU
1	Independent contractor or freelancer
2	On-call, work when called to work

3	Paid by temporary agency
4	Worked for contractor who provides workers under contract
5	Regular, standard employee
6	Other
7	Unknown-refused
8	Unknown-not ascertained
9	Unknown-don't know

Variable: "CHOLHIGHYR"

Name:	CHOLHIGHYR
Label:	Had high cholesterol, past 12 months
Variable Text:	For sample adults, and sample children ages 6-17 in 2012, CHOLHIGHYR indicates whether the person had high cholesterol during the past 12 months. In all years except for 2013, this question was asked only of those who were ever told they have high cholesterol (CHOLHIGHEV). Please see Comparability and Universe tabs for changes in the universe between samples.
Concept:	Condition Variables -- PERSON
Start Position:	127
End Position:	127
Width:	1
Variable Format:	numeric

Implied Decimal Places:	0

Categories

Value	Label
0	NIU
1	No
2	Yes
7	Unknown-refused
8	Unknown-not ascertained
9	Unknown-don't know

Variable: "HYPERTENYR"

Name:	HYPERTENYR
Label:	Had hypertension, past 12 months
Variable Text:	HYPERTENYR indicates whether persons had hypertension or high blood pressure during the past 12 months. In 1977, this information was collected for all persons age 20 and older; in 2002 and 2007, it was collected only from sample adults age 18+ who were ever diagnosed by a doctor or other health professional as having hypertension (HYPERTENEV); in 2012 sample children ages 6-17 were also included. Beginning in 2013, it was collected from sample adults age 18+ who were ever told they had hypertension and were told they had hypertension on two or more different visits to a health professional (HYP2TIME).
Concept:	Condition Variables -- PERSON
Start Position:	128

End Position:	128
Width:	1
Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label
0	NIU
1	No
2	Yes
7	Unknown-refused
8	Unknown-not ascertained
9	Unknown-don't know

Variable: "CHOLMEDNOW"

Name:	CHOLMEDNOW
Label:	Now taking prescribed medicine to lower cholesterol

Variable Text:	For sample adults who were ever told they have high cholesterol (CHOLHIGHEV), CHOLMEDNOW indicates if they currently take prescribed medication to lower their cholesterol level. In 1991, 1993, 1998, and 2015-2018, CHOLMEDNOW indicates if sample adults who were ever prescribed medicine for high cholesterol (CHOLMEDPRE) are currently taking medication to lower their cholesterol level. In 2005, CHOLMEDNOW indicates if sample adults, regardless of whether they had been told they have high cholesterol, currently takes prescribed medication regularly, that is, at least 3 times a week, to lower their cholesterol level.
Concept:	High Cholesterol Variables -- PERSON
Start Position:	129
End Position:	129
Width:	1
Variable Format:	numeric
Implied Decimal Places:	0
Categories	

Value	Label
0	NIU
1	No
2	Yes
7	Unknown-refused
8	Unknown-not ascertained
9	Unknown-don't know

Variable: "HYPMEDNOW"

Name:	HYPMEDNOW
Label:	Now taking prescribed medicine to lower blood pressure
Variable Text:	For adults who were diagnosed or treated for high blood pressure (or, in 1989, for adults with confirmed diabetes), HYPMEDNOW reports if the person is currently taking medicine prescribed by a doctor to lower blood pressure. Please see Comparability and Universe tabs for information on changes in universe between samples.
Concept:	Hypertension Variables -- PERSON
Start Position:	130
End Position:	130
Width:	1
Variable Format:	numeric

Implied Decimal Places:	0

Categories

Value	Label
0	NIU
1	No
2	Yes
7	Unknown-refused
8	Unknown-not ascertained
9	Unknown-don't know

Variable: "SMOKESTATUS2"

Name:	SMOKESTATUS2
Label:	Cigarette smoking recode 2: Current detailed/former/never
Variable Text:	For sample adults 18 and over, this is a recoded variable indicating the respondent's current smoking status in categories of current smoker, every day current smoker, some day current smoker, current smoker--unknown frequency of smoking, and also indicates former smoker, never smoked and "has smoked, current smoking status unknown." In this variable, current smokers were divided into "every day" smokers or "some days" smokers. The process to classify respondents into these categories changed slightly between 1991 and 1992 forward. In 1991, ever smokers were asked if they smoke now; respondents who said "yes" were asked if they smoked "every day" or "some days. Respondents who answered "no" were asked, "Do you smoke some days or not at all?" This additional follow-up resulted in the classification of persons as "someday smokers" who would otherwise have been considered former smokers, since they initially said that they did not smoke now. In 1992, questions on smoking status were included in two sections of the survey; in the Cancer Control section, the same three questions from in the 1991 questionnaire were used; in the Cancer Epidemiology section, just two questions were used: "Have you smoked at least 100 cigarettes during your entire life?" If yes, "Do you NOW smoke cigarettes every day, some days, or not at all?" Use of both sets of questions allowed for estimation of the impact of the question change on population prevalence. The revised current smoking status question was estimated to have resulted in an increase in smoking prevalence of about 1 percent-- a result occurring mainly from capturing smoking among persons who would otherwise have been classified as nonsmokers with the original question.

	This version of the question was used from 1992 forward.Related Variables
Concept:	Smoking Variables -- PERSON
Start Position:	131
End Position:	132
Width:	2
Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label
00	NIU
10	Current smoker
11	Current every day smoker
12	Current some day smoker
13	Current smoker, unknown how often smokes
20	Former smoker
30	Never smoked

40	Has smoked, current smoking status unknown
90	Unknown if ever smoked

Variable: "MOD10FWK"

Name:	MOD10FWK
Label:	Frequency of moderate activity 10+ minutes: Times per week
Variable Text:	MOD10FWK is a recoded variable created by the staff at the National Center for Health Statistics that draws upon the information in MOD10FTP (Frequency of moderate activity 10+ minutes: Time period) and MOD10FNO (Frequency of moderate activity 10+ minutes: Number of units) and reports the frequency of light or moderate leisure-time physical activities in terms of a single time unit, times per week. Prior to 2020, the survey text for MOD10FNO and MOD10FTP inquired specifically about exercise that lasted at least 10 minutes. Beginning in 2020, the question did not include this provision. Light or moderate activities are described in the survey question itself as activities that "cause only light sweating or a slight to moderate increase in breathing or heart rate." The Field Representative's Manualprovides examples of light or moderate leisure-time physical activities, although these examples were not routinely shared with respondents. These examples include leisurely walking or bicycling, slow swimming or dancing, and simple gardening. According to the Field Representative's Manuals for 2001-2018, the maximum frequency of each broad category of physical activity (moderate activity, vigorous activity, strengthening activities, and stretching activities) was topcoded at 4 times per day (or its equivalent in some other time unit). Beginning in 2020, individuals with values of 4 times per day (or its equivalent) or greater were coded as "93 - Extreme value." For general discussion of how and why the NHIS collected information on adult physical activity for 1997 forward, see VIG10FNO.
Concept:	Physical Activity Variables -- PERSON
Start Position:	133
End Position:	134
Width:	2
Variable Format:	numeric

Implied Decimal Places:	0
Coder Instructions:	CodesMOD10FWK is a 2-digit-numeric variable. 00: Not in Universe 93: Extreme value 94: Less than once per week 95: Never 96: Unable to do this activity 97: Unknown-refused 98: Unknown-not ascertained 99: Unknown-don't know

Variable: "VIG10FWK"

Name:	VIG10FWK
Label:	Frequency of vigorous activity 10+ minutes: Times per week
Variable Text:	VIG10FWK is a recoded variable created by the staff at the National Center for Health Statistics that draws upon the information in VIG10FTP (Frequency of vigorous activity 10+ minutes: Time period) and VIG10FNO (Frequency of vigorous activity 10+ minutes: Number of units) and reports the frequency of vigorous leisure-time physical activities in terms of a single time unit, times per week. Prior to 2020, the survey text for VIG10FNO and VIG10FTP inquired specifically about exercise that lasted at least 10 minutes. Beginning in 2020, the question did not include this provision. Vigorous leisure-time activities are described in the survey question itself as activities that "cause heavy sweating or large increases in breathing or heart rate." The Field Representative's Manual provides examples of vigorous activities, although these examples were not routinely shared with respondents. These examples include fast walking, fast bicycling, jogging, strenuous swimming or sports play, vigorous aerobic dance, and strenuous gardening. According to the Field Representative's Manuals for 2001-2018, the maximum frequency of each broad category of physical activity (moderate activity, vigorous activity, strengthening activities, and stretching activities) was topcoded at 4 times per day (or its equivalent in some other time unit). Beginning in 2020, individuals with values of 4 times per day (or its equivalent) or greater were coded as "93 - Extreme value." For general discussion of how and why the NHIS collected information on adult physical activity for 1997 forward, see VIG10FNO.
Concept:	Physical Activity Variables -- PERSON
Start Position:	135
End Position:	136

Width:	2
Variable Format:	numeric
Implied Decimal Places:	0
Coder Instructions:	Codes00: Not in Universe 93: Extreme value 94: Less than once per week 95: Never 96: Unable to do moderate/vigorous activity 97: Unknown-refused 98: Unknown-not ascertained 99: Unknown-don't know

Variable: "STRONGFWK"

Name:	STRONGFWK
Label:	Frequency of strengthening activity: Times per week
Variable Text:	STRONGFWK is a recoded variable created by the staff at the National Center for Health Statistics that draws upon the information in STRONGFTP (Frequency of strengthening activity: Time period) and STRONGFNO (Frequency of strengthening activity: Number of units) and reports the frequency of strengthening leisure-time physical activities in terms of a single time unit, times per week. Definitions Leisure-time strengthening activities are described in the survey question itself as activities "specifically designed to strengthen your muscles such as lifting weights or doing calisthenics." The Field Representative's Manual provides other examples of strengthening activities, although these examples were not routinely shared with respondents. These examples include "activities that require strenuous muscle contractions," such as resistance training, push-ups, and sit-ups.Data Collection
Concept:	Physical Activity Variables -- PERSON
Start Position:	137
End Position:	138

Width:	2
Variable Format:	numeric
Implied Decimal Places:	0
Coder Instructions:	CodesSTRONGFWK is a 2-digit-numeric variable. 00: Not in Universe 93: Extreme value 94: Less than once per week 95: Never 96: Unable to do this activity 97: Unknown-refused 98: Unknown-not ascertained 99: Unknown-don't know

Variable: "HRSLEEP"

Name:	HRSLEEP
Label:	Usual hours sleep per day
Variable Text:	For sample adults, HRSLEEP reports how many hours, on average, the respondent sleeps per day. For surveys prior to 2004, interviewers were instructed to write down responses verbatim. From 2004 forward, interviewers were instructed to report the hours of sleep in whole numbers, rounding values of 30 minutes or more UP to the nearest hour or otherwise rounding down. IPUMS NHIS recodes the values from the earlier surveys into whole number values, following the same rules as 2004 forward. Beginning in 2020, HRSLEEP is one of a set of rotating core variables on sleep duration and quality collected by the NHIS every other year. In addition to HRSLEEP, other variables in the sleep rotating core include: Sample Adults SLEEPRESTFRQ: How often woke up feeling well rested, past 30 days SLEEPFALLFRQ: How often had trouble falling asleep, past 30 days SLEEPSTAYFRQ: How often had trouble staying asleep, past 30 days SLEEPMEDFRQ: How often took medication for sleep, past 30 days Sample Children CSLEEPREST: How often wake up feeling well rested in a typical school week CSLEEPGETUP: How often difficult to get out of bed in the morning in a typical school week

	CSLEEPTIRED: How often complain of being tired during the day in a typical school week CSLEEPNAPS: How often nap or fall asleep during the day in a typical school week CSLEEPBEDTIME: How often have a regular bedtime on school nights in a typical school week CSLEEPWKTIME: How often wake up at same time in a typical school week Related Variables on Sleep A set of questions on sleep were asked annually of sample adults in 2004-2018 that are similar to those asked beginning in 2020 but differ in the reference period (past week vs. past 30 days) and the structure of the response categories (number of days in past week vs. how often in the past 30 days). These variables include: SLEEPREST: Days woke up feeling rested, past week SLEEPFALL: Number of times having trouble falling asleep, past week SLEEPSTAY: Number of times having trouble staying asleep, past week SLEEPMEDS: Number of times taking medication for sleep, past week
Concept:	Sleep Variables -- PERSON
Start Position:	139
End Position:	140
Width:	2
Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label

00	NIU
01	1 hour (1990: 0 or 1 hour)
02	2 hours
03	3 hours
04	4 hours
05	5 hours
06	6 hours
07	7 hours
08	8 hours
09	9 hours
10	10 hours
11	11 hours
12	12 hours
13	13 hours
14	14 hours
15	15 hours
16	16 hours
17	17 hours
18	18 hours

19	19 hours
20	20 hours
21	21 hours
22	22 hours
23	23 hours
24	24 hours
25	Less than 1 hour
97	Unknown-refused
98	Unknown-not ascertained
99	Unknown-don't know

Variable: "SLEEPFALL"

Name:	SLEEPFALL
Label:	Number of times having trouble falling asleep, past week
Variable Text:	For sample adults aged 18 and older, SLEEPFALL reports how often they had trouble falling asleep in the past week. This variable was included as a core item in the Adult Supplemental Items (ASI) section of the Sample Adult questionnaire, introduced in 2013. Related Variables Other sleep-related variables included in the ASI section include: SLEEPSTAY (number of times had trouble staying asleep, past week), SLEEPMEDS (number of times taking sleep medication, past week), and SLEEPREST (days woke up feeling rested, past week).
Concept:	Sleep Variables -- PERSON
Start Position:	141

End Position:	142
Width:	2
Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label
00	Did not have trouble falling asleep past week
07	7 or more times
96	NIU
97	Unknown-refused
98	Unknown-not ascertained
99	Unknown-don't know

Variable: "SLEEPSTAY"

Name:	SLEEPSTAY
Label:	Number of times having trouble staying asleep, past week
Variable Text:	For sample adults aged 18 and older, SLEEPSTAY reports how often they had trouble staying asleep in the past week. This variable was included as a core item in the Adult Supplemental Items (ASI) section of the Sample Adult questionnaire, introduced in 2013. Related Variables

	For a list of other sleep-related variables included in the ASI section, refer to SLEEPFALL.
Concept:	Sleep Variables -- PERSON
Start Position:	143
End Position:	144
Width:	2
Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label
00	Did not have trouble staying asleep past week
01	One time
02	Two times
03	Three times
04	Four times
05	Five times
06	Six times
07	7 or more times
96	NIU

97	Unknown-refused
98	Unknown-not ascertained
99	Unknown-don't know

Variable: "SLEEPMEDS"

Name:	SLEEPMEDS
Label:	Number of times taking medication for sleep, past week
Variable Text:	For sample adults aged 18 and older, SLEEPMEDS reports how often they used medication to help them fall or stay asleep in the past week. This variable was included as a core item in the Adult Supplemental Items (ASI) section of the Sample Adult questionnaire, introduced in 2013. Related Variables For a list of other sleep-related variables included in the ASI section, refer to SLEEPFALL.
Concept:	Sleep Variables -- PERSON
Start Position:	145
End Position:	146
Width:	2
Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label

00	Did not take medication to help sleep in past week
07	7 or more times
96	NIU
97	Unknown-refused
98	Unknown-not ascertained
99	Unknown-don't know

Variable: "SLEEPREST"

Name:	SLEEPREST
Label:	Days woke up feeling rested, past week
Variable Text:	For sample adults aged 18 and older, SLEEPREST reports how many days they woke up feeling well rested in the past week. This variable was included as a core item in the Adult Supplemental Items (ASI) section of the Sample Adult questionnaire, introduced in 2013. Related Variables For a list of other sleep-related variables included in the ASI section, refer to SLEEPFALL.
Concept:	Sleep Variables -- PERSON
Start Position:	147
End Position:	148
Width:	2
Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label
00	Never felt rested this past week
96	NIU
97	Unknown-refused
98	Unknown-not ascertained
99	Unknown-don't know

Variable: "TIREFREQ3MO"

Name:	TIREFREQ3MO
Label:	Frequency of feeling exhausted in last 3 months
Variable Text:	For sample adults, TIREFREQ3MO reports how often, in the past three months, they felt very tired or exhausted. Beginning in 2020, TIREFREQ3MO is one of a set of rotating core variables on fatigue, collected every other year. The fatigue rotating core variables were also collected in previous years, as part of the Adult Functioning and Disability supplement (2011-2017) and sample adult questionnaire (2018). In addition to TIREFREQ3MO, the fatigue rotating core variables include: TIREDURALAST: Duration of exhaustion, last time TIREFEELEVL: Level of exhaustion, last time had exhaustion Also beginning in 2020, the NHIS collected a rotating core set of variables on sleep duration and quality. Please see HRSLEEP for more information about the sleep rotating core. The NHIS also collected several additional variables on fatigue as part of the 2010 Quality of Life supplement: TIREFEELCLAR: Clarification of in-between amount of exhaustion TIREYWORKEX: Reason exhausted: Too much work or exercise TIREYNOTSLEP: Reason exhausted: Not getting enough sleep

	TIREYHEALTH: Reason exhausted: Physical or health-related problem TIREYOTHER: Reason exhausted: Something else
Concept:	Fatigue Variables -- PERSON
Start Position:	149
End Position:	149
Width:	1
Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label
0	NIU
1	Never
2	Some days
3	Most days
4	Every day
7	Unknown-refused
8	Unknown-not ascertained

9	Unknown-don't know

Variable: "TIREDURALAST"

Name:	TIREDURALAST
Label:	Duration of exhaustion, last time
Variable Text:	For sample adults who felt very tired or exhausted some days, most days, every day, or don't know or refused to say how often they felt exhausted (TIREFREQ3MO), TIREDURALAST reports the duration of their exhaustion the last time they felt exhausted. Beginning in 2020, TIREDURALAST is one of a set of rotating core variables on fatigue, collected every other year. For more information on the fatigue rotating core variables or about fatigue variables available in the NHIS prior to 2020, please see (TIREFREQ3MO).
Concept:	Fatigue Variables -- PERSON
Start Position:	150
End Position:	150
Width:	1
Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label
0	NIU
1	Some of the day

2	Most of the day
3	All of the day
7	Unknown-refused
8	Unknown-not ascertained
9	Unknown-don't know

Variable: "TIREFEELEVL"

Name:	TIREFEELEVL
Label:	Level of exhaustion, last time had exhaustion
Variable Text:	For sample adults who felt very tired or exhausted some days, most days, every day, or don't know or refused to say how often they felt exhausted (TIREFREQ3MO), TIREFEELEVL reports the level of exhaustion they felt, the last time they felt exhausted. Beginning in 2020, TIREDURALAST is one of a set of rotating core variables on fatigue, collected every other year. For more information on the fatigue rotating core variables or about fatigue variables available in the NHIS prior to 2020, please see (TIREFREQ3MO).
Concept:	Fatigue Variables -- PERSON
Start Position:	151
End Position:	151
Width:	1
Variable Format:	numeric
Implied Decimal Places:	0
Categories	

Value	Label
0	NIU
1	A little
2	A lot
3	Somewhere between a little and a lot
7	Unknown-refused
8	Unknown-not ascertained
9	Unknown-don't know

Variable: "MORTSTAT"

Name:	MORTSTAT
Label:	Final mortality status
Variable Text:	For persons aged 18 and older included in the 1986-2014 NHIS samples and sample adults 18 and older included in the 2015-2018 NHIS samples who provided sufficient data for linking (MORTELIG), MORTSTAT reports the final vital status (assumed alive or assumed deceased). For more information about the methodology to link NHIS records to the NDI, please see the NCHS report on the NHIS-NDI linkage methods and analytic considerations. MORTSTAT is one of a set of mortality variables released by the National Center for Health Statistics (NCHS) as part of the 2019 Linked Mortality File (LMF) update. The 2019 LMF includes mortality information for participants in the 1986-2018 NHIS samples with mortality follow up in the NDI through December 31, 2019. For more information on the LMF, including which variables it offers and the appropriate sampling weights to use when analyzing the mortality data, see the description tab of MORTELIG. For further information on the NDI and the creation of the mortality variables, see the variable description for MORTELIG and the technical documents from NCHS on the creation and analysis of the NHIS Linked Mortality Files. Related Variables For a list of all mortality variables from the LMF included in the IPUMS NHIS, please refer to the MORTELIG variable description.
Concept:	Mortality Variables -- PERSON

Start Position:	152
End Position:	152
Width:	1
Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label
1	Assumed deceased
2	Assumed alive
9	NIU

Variable: "MORTUCODLD"

Name:	MORTUCODLD
Label:	Leading underlying cause of death (ICD-10)
Variable Text:	For persons aged 18 and older included in the 1986-2014 NHIS samples and sample adults aged 18 and older included in the 2015-2018 NHIS samples who provided sufficient data for linking (MORTELIG) and whose final vital status was judged deceased (MORTSTAT) as of December 31, 2019, MORTUCODLD reports the leading underlying cause of death. For more information about the methodology to link NHIS records to the NDI, please see the NCHS report on the NHIS-NDI linkage methods and analytic considerations. For survey respondents in the 2005 or later surveys and decedents who died after December 2006, MORTUCODLD is the most detailed information available on the linked NHIS-NDI public use files about underlying cause of death. For access to the detailed cause of death codes available on the linked NHIS-NDI restricted access files, see documentation on the restricted version of the NHIS Linked Mortality Files.

	MORTUCODLD is a recode created by NCHS to classify underlying cause of death into 10 categories. Deaths that occurred prior to 1999 are coded based on the 9th revision of the International Statistical Classification of Diseases, Injuries, and Causes of Death (ICD-9). Deaths that occurred from 1999 forward were coded based on the 10th revision of the International Statistical Classification of Diseases, Injuries, and Causes of Death (ICD-10). In sample years 2015 forward, eligible respondents are limited to a single sample adult per household. Because of the smaller sample size, NCHS has grouped people with MORTUCODLD codes of 5-9 into code 10 (All other causes - residual) to lower the risk of respondent identification. Please see the Public-use Linked Mortality File Readme for information about these codes. MORTUCODLD is one of a set of mortality variables released by the National Center for Health Statistics (NCHS) as part of the 2019 Linked Mortality File (LMF) update. The 2019 LMF includes mortality information for participants in the 1986-2018 NHIS samples with mortality follow up in the NDI through December 31, 2019. For more information on the LMF, including which variables it offers and the appropriate sampling weights to use when analyzing the mortality data, see the description tab of MORTELIG. Related Variables For a list of all mortality variables from the LMF included in the IPUMS NHIS, please refer to the MORTELIG variable description.
Concept:	Mortality Variables -- PERSON
Start Position:	153
End Position:	154
Width:	2
Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label
01	Diseases of heart
02	Malignant neoplasms

03	Chronic lower respiratory diseases
04	Accidents (unintentional injuries)
05	Cerebrovascular diseases
06	Alzheimer's disease
07	Diabetes mellitus
08	Influenza and pneumonia
09	Nephritis, nephrotic syndrome and nephrosis
10	All other causes (residual)
96	NIU

Variable: "MORTHYPR"

Name:	MORTHYPR
Label:	Hypertension flag from multiple cause of death (MCOD)
Variable Text:	For persons ages 18 and older included in the 1986-2014 NHIS samples and sample adults 18 and older included in the 2015-2018 NHIS samples who provided sufficient data for linking (MORTELIG) and whose final vital status was judged deceased (MORTSTAT) as of December 31, 2019. MORTHYPR indicates whether, in addition to the underlying cause of death (MORTUCODLD), hypertension was listed as a contributing cause of death. For more information about the methodology to link NHIS records to the NDI, please see the the National Center for Health Statistics (NCHS) report on the NHIS-NDI linkage methods and analytic considerations. Hypertension was classified based on an ICD-9 code of 401 or 403 for 1986-1998 and on an ICD-10 code of I10 or I12 for 1999 forward. MORTHYPR is one of a set of mortality variables released by the NCHS as part of the Linked Mortality File (LMF) update. The LMF includes mortality information for participants in the 1986-2018 NHIS samples with mortality follow up in the NDI through December 31, 2019. For more information on the LMF, including which variables it offers and the appropriate sampling weights to use when analyzing the mortality data, see the description tab of MORTELIG. For more information on LMFs in general, see the IPUMS user note about the NHIS-LMFs. Related Variables MORTHYPR was one of three multiple cause of death flags that indicate whether specific health conditions were listed as contributing causes of death (in addition to the underlying cause of death). MORTDIAB indicates whether diabetes was listed as a contributing cause of death; MORTHIPFX, not available for NHIS participants in the 2005-forward surveys or for decedents who died after December 2006, indicates whether hip fracture was listed as a contributing cause of death.

	For a list of all mortality variables from the LMF included in the IPUMS NHIS, please refer to the MORTELIG variable description. For further information on the NDI and the creation of the mortality variables, see the variable description for MORTELIG and the technical documents from NCHS on the creation and analysis of the NHIS Linked Mortality Files.
Concept:	Mortality Variables -- PERSON
Start Position:	155
End Position:	155
Width:	1
Variable Format:	numeric
Implied Decimal Places:	0

Categories

Value	Label
1	No
2	Yes
9	NIU

Variable: "MORTWTSA"

Name:	MORTWTSA

Label:	Sample adult weight adjusted for ineligible respondents in mortality analysis
Variable Text:	For sample adults aged 18 and older included in the 1997-2018 samples, MORTWTSA reports the sampling weight that adjusts for ineligible respondents in analyses of data linking NHIS participants during survey years 1997 to 2018 to the National Death Index (NDI) with mortality follow up through December 31, 2019. Because of changes in the universe of NHIS participants linked to the NDI, that is, included in the Linked Mortality File (LMF) data, this is the only sampling weight available for use in mortality analyses including participants in the 2015 and later NHIS samples. Because adult survey participants who provided insufficient data for linking may differ from those who provided enough data for linking, ignoring the ineligible adult respondents could lead to biased mortality analysis. To correct this bias, the National Center for Health Statistics (NCHS) developed the eligibility-adjusted weights for use with variables in the 2019 LMF update. MORTWTSA is a mortality weight designed for use with sample adult variables and is available for the NHIS years 1997-2018. (A similar variable, MORTWT, is appropriate for weighting variables from the NHIS person files in conjunction with mortality variables and is available for the NHIS years 1986-2014). When analyzing NHIS variables from the sample adult files in conjunction with any of the mortality variables, users should employ MORTWTSA rather than the sample adult weight (SAMPWEIGHT). SAMPWEIGHT is based on the Final Annual Sample Adult Weights (for survey years 1997 forward) in the original NHIS public use files. MORTWTSA is one of a set of mortality variables released by the NCHS as part of the 2019 LMF update. The 2019 LMF includes mortality information for participants in the 1986-2018 NHIS samples with mortality follow up in the NDI through December 31, 2019. For more information on the LMF, including which variables it offers and the appropriate sampling weights to use when analyzing the mortality data, see the description tab of MORTELIG. Related Variables For a list of all mortality variables from the LMF included in the IPUMS NHIS, please refer to the MORTELIG variable description.
Concept:	Mortality Variables -- PERSON
Start Position:	156
End Position:	163
Width:	8
Variable Format:	numeric
Implied Decimal Places:	0
Coder Instructions:	CodesMORTWTSA is a variable with eight columns and no implied decimals.