

# Public Use Data Tape Documentation

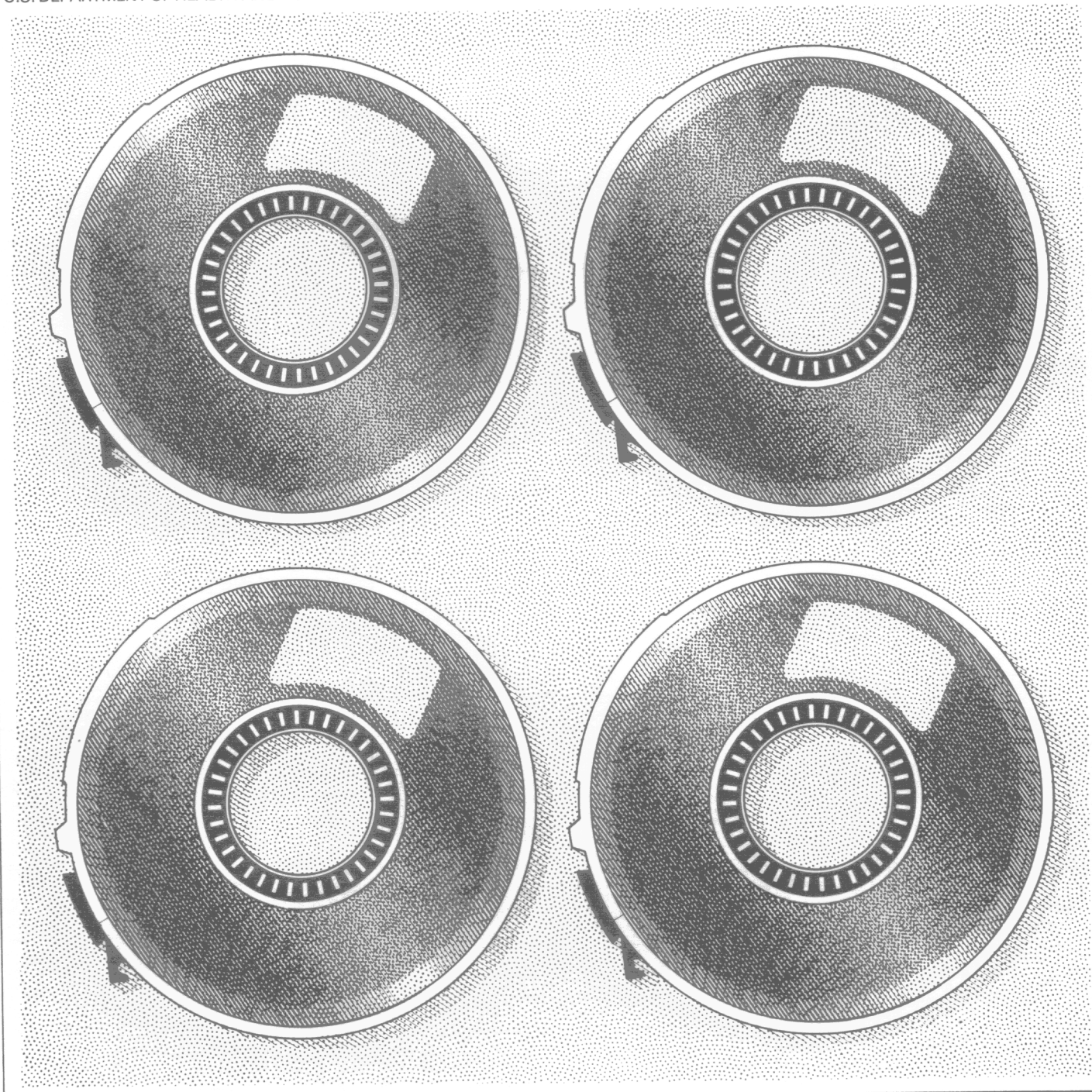


24-Hour Recall,  
Specific Food Item  
Tape Number 5704

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National Health and Nutrition Examination Survey, 1976-1980

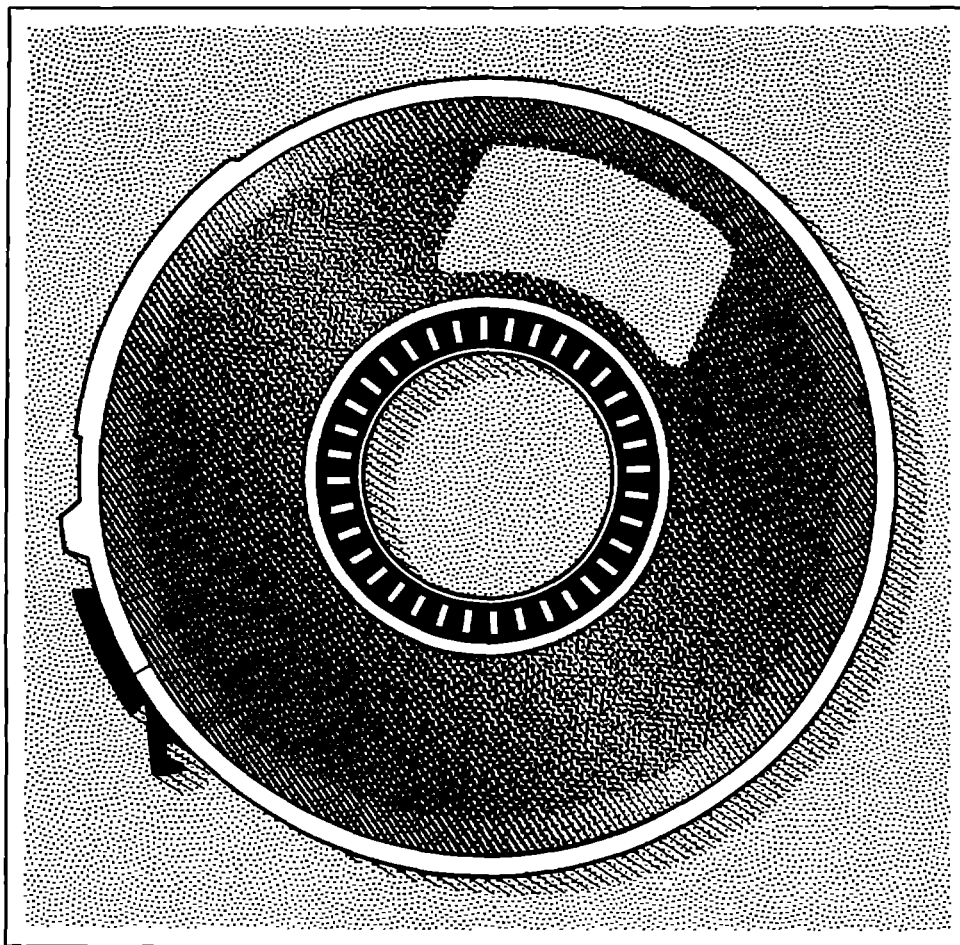
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES • Public Health Service • Centers for Disease Control • National Center for Health Statistics



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24-Hour Recall,  
Specific Food Item  
Tape Number 5704

National Health and Nutrition Examination Survey, 1976-1980



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Public Health Service  
Centers for Disease Control  
National Center for Health Statistics

Hyattsville, Maryland  
May 1989

The micro-data tapes for all examination components will be released as soon as the data have been validated and documented. It is anticipated at this time that release will occur sequentially from July 1981-December 1982. NHANES II data tapes will be available for purchase from:

National Technical Information Service (NTIS)  
5285 Port Royal Road  
Springfield, Virginia 22161  
(703) 487-4763

A current listing of NCHS data tapes available for purchase from NTIS is available from:

Scientific and Technical Information Branch  
National Center for Health Statistics  
Center Building, Room 1-57  
3700 East-West Highway  
Hyattsville, Maryland 20782  
(301) 436-8500

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## I. BACKGROUND

### A. National Health and Nutrition Examination Survey, NHANES II, 1976-1980

Description of Survey: A detailed description of the design, content, questionnaires, and operation of NHANES II is provided in the following report: Plan and Operation of the Second Health and Nutrition Examination Survey, 1976-1980, DHHS Pub. No. (PHS) 81-1317 Series 1, No. 15, Public Health Service, Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The stock number is 017-022-00752-5 and the cost is \$5.50. One copy is provided with the documentation herein, and a general summary of the data collection techniques and content is given in Appendix A.

Target Population: NHANES II was conducted on a nationwide probability sample of approximately 28,000 persons, ages 6 months-74 years, from the civilian, noninstitutionalized population of the United States. The survey started in February 1976 and was completed in February 1980. The NHANES II sample was selected so that certain population groups thought to be at high risk of malnutrition (persons with low incomes, preschool children and the elderly) were oversampled. Adjusted sampling weights were then computed for 76 age, sex, and race categories in order to inflate the sample in such a manner as to closely reflect the estimated civilian noninstitutionalized U.S. population ages 6 months-74 years at the midpoint of the survey (March 1, 1978).

B. Use of NHANES Data

NCHS requests the cooperation of recipients of data tapes in certain actions related to their use:

1. Any publication based on the data should acknowledge the National Center for Health Statistics (NCHS) as the original source. It should include a disclaimer which credits the authors for any analyses, interpretations, or conclusions, and not NCHS, which is responsible only for the data.
2. Consumers who wish to publish a technical description of the data should make a reasonable effort to insure that the description is not inconsistent with that published by NCHS. This does not mean, however, that NCHS will review such descriptions.
3. The National Center for Health Statistics would appreciate receiving reprints of journal articles or other publications based upon findings from the NHANES II survey. Please forward copies to:

Division of Health Examination Statistics  
National Center for Health Statistics  
Center Building, Room 2-58,  
3700 East-West Highway  
Hyattsville, Maryland 20782

C. Editing of the Data Sets

The data users' tapes have been subjected to a great deal of careful editing. Some of the continuous data items have extremely high or low values and it has been verified that they do in fact appear that way on the original interview documents; that is, it has been verified that the values have not been incorrectly keyed. Within each data tape numerous consistency checks have been performed. However, due to the large volume of data collected in the survey, it is likely that a small number of errors or discrepancies remain undetected. The Division of Health Examination Statistics, NCHS would appreciate if any such errors are detected that they be brought to our attention so that errata sheets can be issued to previous purchasers and corrections made if new data tapes are created.

#### D. Use of Sample Weights

NHANES II uses a multistage sample designed to represent the civilian noninstitutionalized population of the United States, 6 months-74 years of age. Since the sample is not a simple random one, it is necessary to incorporate the person's sample weight for proper analysis of the data. The sample weight is a composite of the individual selection probability, adjustments for nonresponse, and poststratification adjustments.

NHANES II provides information on 20,322 interviewed and examined individuals. In addition to the general examination components, several more detailed examinations were performed on subsamples of the population. Therefore, instead of there being one sample weight per person, there are several sample weights for each person. If a person was not selected for a particular subsample, their associated subsample weight is zero. When analyzing the special subsamples, the analyst must be careful to select the appropriate sampling weight from the weights found in tape locations 282-317. For a more complete description of how the sample weights are calculated, see the detailed note section of this documentation.



### E. Sample Design, Variance Estimation, and Hypothesis Testing

The data collected in the Second National Health and Nutrition Examination Survey (NHANES II) were obtained through a complex sample design involving both clustering and stratification. Because of the complex design and the ratio adjustments applied to the sample weights (see previous section on use of sample weights), the direct application of standard statistical analysis methods for variance estimation and hypothesis testing may be very misleading. The modification of statistical analysis procedures to incorporate the effects of complex survey designs is an important area of research; however, the current methodologies appropriate for the analysis of data from such surveys have not been made readily available in the standard packaged statistical software.

There are computer programs available which do provide the capability of variance estimation for complex sample designs. The balanced repeated replication approach 1/ is utilized in ~~REPERR-2~~ ~~PSALMS-OSIRIS.IV~~ 2/ to calculate the variance-covariance matrix. SESUDAAN, SURREGR 3/ and SUPERCARP 4/ are programs that calculate the variance-covariance matrix using the linearization approach 5/ (Taylor series expansion).

In order to provide the user with the capability of estimating the complex sample variances in the NHANES II data using the above

procedures, we have provided Strata and Pseudo Primary Sampling Unit (PSU) codes on all data tapes in positions 324-326. These variables and the sample weights are necessary for the calculation of variances.

Even though the overall number of examined persons in this survey is quite large for statistical inference purposes, subclass analyses can lead to estimators that are unstable, particularly estimates of variances. Consequently, analyses of subclasses require that the user pay particular attention to the coefficient of variation for the estimates of means, proportions and totals. In addition, small sample sizes, or a small number of PSU's used in the variance calculations may produce unstable estimates of the variances using the above computer programs.

An NCHS Series 2 publication discussing these issues is in publication. 6/

REFERENCES

- 1 National Center for Health Statistics: Replication An Approach to the Analysis of Data from Complex Surveys by P.J. McCarthy. Vital and Health Statistics Series 2-No. 14. DHEW Pub. No. (PHS) 79-1269. Public Health Service. Washington, D.C. U.S. Government Printing Office, 1966.
- 2 Survey Research Center Computer Support Group, OSIRIS IV User's Manual, Institute for Social Research, 1979.
- 3 Holt, M.M.: SURREGR: Standard errors of regression coefficients from sample survey data. (unpublished) Research Triangle Institute, NC, 1977.
- 4 Hidiruglou, M.A., Fuller, W.A., Hickman, R.D.: (SUPERCARP) Survey Section, Statistical Laboratory, Iowa State University. Ames, Iowa. Sixth Edition. October 1980.
- 5 Woodruff, R.S.: A simple method for approximating the variance of a complicated estimate. JASA 66:411-414, 1971.
- 6 National Center for Health Statistics: A General Statistical Methodology for the Analysis of Data from a Complex Survey: NHANES I by J.R. Landis, J.H. Lepkowski, S.A. Stehouwer, and S.A. Eklund. Vital and Health Statistics, Series 2. (In publication)

II. GENERAL NOTES

24-Hour Recall--Specific Food Item Tape

A. Demographic Information

An advance letter, announcing the forthcoming arrival of an interviewer from the U.S. Bureau of the Census, was mailed to each household that fell into the NHANES II probability sample. The interviewer subsequently visited the household to ascertain its composition and to administer a questionnaire, the primary purpose of which was to obtain demographic information. The questionnaire was administered to each potential sample person in each household that was available and competent enough to respond to questions. In the event that a potential sample person was not at home at the time of interview, any responsible adult in the household was asked to respond to the questions for the absent person.

B. Dietary Information

As in NHANES I, dietary data were collected using 24-hour recall, 3-month food frequency and dietary supplement forms. Formats of these dietary questionnaires are found in the NHANES II plan and operation publication included with this documentation. The dietary data are available on four tapes: (1) the MODEL GRAM TAPE, (2) the NUTRIENT COMPOSITION TAPE, (3) the 24-HOUR RECALL--SPECIFIC FOOD ITEM TAPE and (4) the TOTAL NUTRIENT INTAKE/FOOD FREQUENCY/AND OTHER RELATED DIETARY DATA TAPE.

Tapes (1) and (2) are the NHANES II dietary data bank, catalog Nos. 5702/5703 and are available from NTIS (order number PB81232878) at a cost of \$185.00. They are used in the computer editing and processing of the NHANES II 24-hour recall forms. The public user of these tapes is responsible for the development of all software for any similar utilization of these tapes. Unlike the NHANES I Model Gram/Nutrient Composition Tapes, catalog nos. 4702/4703, the dietary data bank used in NHANES II consists of only the foods reported on the 24-hour recall forms collected during the survey. An expanded data base was available to the dietary interviewers for coding purposes during the collection of the data.

TAPE (1): MODEL GRAM

Tape (1) is the first part of a two-part nutrient data bank. The first 119 records on this tape are the acceptable FOOD MODELS or combinations of food models used to aid the respondent in recalling amounts of foods reported on the 24-hour recall form. The second part of this tape

consists of 2605 foods in numeric order with designated food group number, food code number, preferred model code, appropriate gram conversion factor, and alphameric description. When listed by food group, the MODEL GRAM tape provided the basis for the coding manual used by dietary interviewers. In some instances, more than one food was assigned the same food code, but only when the nutrient composition for each of the foods was extremely similar.

#### TAPE (2): NUTRIENT COMPOSITION

Tape (2) provides a nutrient analysis of the 2605 foods found on the MODEL GRAM TAPE. Calories and seventeen nutrients per 100 gram edible portion are provided for each food. Nutrient values used to update foods on this tape reflect the nutrients available in the food between 1976 and 1980. These nutrient values were obtained either from the manufacturer, or from the U.S. Department of Agriculture's revised Handbook No. 8, sections 1-6 and data tape 456-3 (based on USDA Agriculture Handbook No. 456).

For commercial foods that were reported ingested at least twenty times, the nutrient values reflect the most appropriate information (1980) available from the manufacturer. If the food company did not provide the needed information, nutrient values from other sources were used, where possible. Foods reported fewer than twenty times were not updated and may not reflect the most current nutrient analysis from the manufacturer.

Detailed documentation of the NHANES II nutrient data bank update is available upon request from the Nutrition Statistics Branch, Division Health Examination Statistics, NCHS.

Tapes (3) and (4) contain the dietary data as collected on the forms, or calculated as a result of processing the data using the nutrient data bank.

TAPE (3): 24-HOUR RECALL--SPECIFIC FOOD ITEM DATA

Tape (3) contains information on specific food items consumed by (a) ingestion period, (i.e., breakfast, lunch, dinner, and between-meal foods); (b) the time of day to the closest half hour that the food was consumed; (c) the source of intake (i.e., home, school, restaurant); and calories and 17 nutrients for each food item contributing to the day's total intake. Information is collected for the period of time midnight to midnight preceding the interview and generally reflects intakes reported on Mondays through Fridays, excluding most holidays. This is a result of the general scheduling of examinations on Tuesdays through Saturdays.

TAPE (4): TOTAL NUTRIENT INTAKE/FOOD FREQUENCY/AND OTHER RELATED DIETARY DATA

The TOTAL NUTRIENT INTAKE section of tape 4 consists of a summation of the food-specific nutrient information contained on TAPE (3) for calories and 17 nutrients for each respondent.

The FOOD FREQUENCY section of tape 4 consists of reported frequencies of consumption of foods from 18 food groups, of which 5 have subdivisions for a total of 26 separate categories. Data are intended to reflect usual eating habits of the respondent over the 3 month interval

prior to the dietary interview and do not include irregular eating habits associated with illness or dieting. Data reflect information on foods consumed daily or weekly, Monday through Sunday, and holidays. This food frequency questionnaire served as a crude quality control instrument for the 24 hour recall in addition to providing profiles of eating habits.

OTHER RELATED DIETARY DATA on tape 4 includes information related to food consumption habits recorded on the 24-hour recall and dietary supplement forms, such as vitamin-mineral usage and special diets.



III. TAPE CHARACTERISTICS AND DESCRIPTION

A. Tape Characteristics

Title: 24-Hour Recall--Specific Food Item Tape  
Catalog Number: 5704  
Data Set Name: HEHANES2.DU570402  
Record Length: 550  
Blocksize: 22000  
Density: 6250 BPI  
Number of Records: 347,925  
Number of Reels : 2  
Recording Mode : Fixed Block, EBCDIC  
Channel : 9 Track  
Created by : Division of Health Examination Statistics  
National Center for Health Statistics  
Hyattsville, Maryland

B. Index

24-Hour Recall--Specific Food Item Tape Summary

Catalog Number 5704

SECTION A - Demographic Data

	<u>Tape Positions</u>
Sample Sequence Number	1-5
Catalog Number (5371-for Demographic Data only)	6-9
Data user work area	10
Size of place	11
SMSA-not SMSA	12
Data user work area	13-23
Type of living quarters	24
Land usage	25
If rural, asked does this place have 10 acres or more?	26
If 10 acres or more, asked if in the last 12 months did sales of farm produce and livestock amount to \$50 or more?	27
If 10 acres or more, asked to \$250 or more?	28
Data user work area	29
Total number of persons in household	30-31
Total number of sample persons in household	32-33

Sample Person Data

Data user work area	34
Family relationship	35
Data user work area	36
Family unit number	37-41
Data user work area	42-44
Age-months (at interview)	45-46
Age-years (at interview)	47-48
Data user work area	49-50
Date of birth-month	51-52
Date of birth-year	53-54
Sex	55
Race	56
In what state was he/she born?	57-58
Is he/she married, widowed, divorced, separated or never married?	59
Natural origin or ancestry	60-61
Education level	62-63
Grade completed	64
What was he/she doing during most of the past 12 months?	65
What was he/she doing?	66
Did he/she work at a job or business at any time during the past three months?	67
Did he/she work full or part-time when working?	68

Demographic Data (Cont.)

	<u>Tape Positions</u>
Was he/she working within last two weeks not counting work around the house?	69
Even though he/she did not work, does he/she have a job or business?	70
Was he/she looking for work or on layoff from a job?	71
Which looking for work or on layoff from a job?	72
What kind of industry or business is this?	73-75
What kind of work was he/she doing?	76-78
Was he/she in private company or business or individual for wages, salary or commission?	79
Did he/she ever serve in the armed forces of the U.S.?	80
When did he/she serve?	81
Data user work area	82-90

Household Data

How many rooms are in this ...? Count the kitchen, but not the bath	91
How many bedrooms are in this ...?	92
Ask only of unrelated household members. Do you have complete kitchen facilities in your living quarters, that is a kitchen sink with piped water, a refrigerator and a range or cookstove?	93
Do you have access to complete kitchen facilities in this house?	94
Do you have access to a range or cookstove?	95
Do you have access to a refrigerator	96
Do you have access to a sink with piped water?	97
Is there piped water in this house (these living quarters)?	98
Is there both hot and cold water?	99
Are these kitchen facilities used by anyone not living in this household?	100
What is the main type of heating system you have?	101-102
Do you have air conditioning?	103
How many motor vehicles are owned or regularly used for transportation by members of your family?	104
Is any language other than English spoken by family members living here?	105
What language?	106
Which of these income groups represents your total combined family income for the past 12 months?	107-108

Demographic Data (Cont.)

Tape Positions

During the past 12 months, how much money did you and all members of your family receive in wages or salaries before deductions (under \$7,000 only)?	109-112
Social security or railroad retirement?	113
Data user work area	114
If yes, how much?	115-118
Welfare payments or other public assistance?	119
Data user work area	120
If yes, how much?	121-124
Unemployment compensation or workmen's compensation?	125
Data user work area	126
If yes, how much?	127-130
Government employee pension or private pensions?	131
Data user work area	132
If yes, how much?	133-136
Dividends, interest or rent?	137
Data user work area	138
If yes, how much?	139-142
Net income from their own business (nonfarm) professional practice, or partnership?	143
Data user work area	144
If yes, how much?	145-148
Net income from a farm?	149
Data user work area	150
If yes, how much?	151-154
Veteran's payments?	155
Data user work area	156
If yes, how much?	157-160
Alimony, child support or other support from persons not in household?	161
Data user work area	162
If yes, how much?	163-166
Any other income?	167
Data user work area	168
If yes, how much?	169-172
Total amount	173-176
Check Item B	177
Are you certified to participate in the food stamp program?	178
Are you buying food stamps now?	179
What is the main reason you are not participating in the program?	180
Are you certified for commodity distribution program?	181

Demographic Data (Cont.)

Tape Positions

Are you receiving commodity foods now for your family?	182
Why aren't you participating in the program?	183
Date of exam	184-189
Age in years (at examination)	190-191
Data user work area	192-205
Race-sex recode for sample persons	206
Farm, nonfarm recode for sample person	207
Interview status	208
Region	209
Poverty index	210-212
Data user work area	213-246

Head of Household Data

Age in years	247-248
Data user work area	249-250
Date of birth-month	251-252
Date of birth-year	253-254
Sex	255
Race	256
In what state was he/she born?	257-258
Is he/she married, widowed, divorced, separated or never married?	259
Natural origin or ancestry?	260-261
Education level	262-263
Grade completed	264
What was he/she doing most of the past 12 months?	265
What was he/she doing?	266
Did he/she work at job or business during past three months?	267
Did he/she work full or part-time when working?	268
Did he/she work at any time the last two weeks not counting work around the house?	269
Even though he/she did not work, does he/she have a job or business?	270
Was he/she looking for work or on layoff from a job?	271
Which?, looking for work or on layoff from a job?	272

Demographic Data (Cont.)

	<u>Tape Positions</u>
Type of industry or business	273-275
What kind of work was he/she doing?	276-278
Was he/she in private company or business or individual for wages, salary or commission?	279
Did he/she ever serve in the armed forces of the U.S.?	280
When did he/she serve?	281

Sample Weights

Examined final weight	282-287
Medical history interview final weight	288-293
Glucose Tolerance Test final examined weight	294-299
Lead final examined weight	300-305
Carboxyhemoglobin final examined weight	306-311
Bile acids final examined weight	312-317
Data user work area	318-323
Strata code	324-325
Pseudo PSU code	326
Data user work area	327-350

SECTION B - Dietary Data

24-Hour Recall--Specific Food Item Data

	<u>Tape Positions</u>
Catalog Number.....	351-354
Respondent.....	355
Day of recall.....	356
Ingestion period.....	357
Time of day.....	358-361
Food source.....	362
Interviewer code.....	363-365
Imputation code.....	366
Food item line number.....	367-368
Food group.....	369-370
Food code.....	371-375
Grams ingested per food consumed.....	376-382
<u>NUTRIENTS PER FOOD CONSUMED</u>	
Calories.....	383-390
Protein (grams).....	391-398
Fat (grams).....	399-406
Total Carbohydrates (grams).....	407-414
Calcium (mg.).....	415-422
Phosphorus (mg.).....	423-430
Iron (mg.).....	431-438
Sodium (mg.).....	439-446
Potassium (mg.).....	447-454
Vitamin A (International Units - IU).....	455-462
Thiamine (mg.).....	463-470
Riboflavin (mg.).....	471-478
Preformed Niacin (mg.).....	479-486
Vitamin C (mg.).....	487-494
Saturated Fatty Acids (grams).....	495-502
Oleic Acid (grams).....	503-510
Linoleic Acid (grams).....	511-518
Cholesterol (mg.).....	519-526
Data user work area.....	527-550

C. Tape Description

Demographic Data

Use of Special Terms

The term "data user work area" refers to blank areas in the data tape which are reserved for the user as needed.

The term "blank, but applicable", is used to indicate a data item that was to have a response for a sample person but none was given. The terms "blank" and "Not applicable" refer to data items where the sample person was not supposed to respond to the question or receive the examination component.

To more fully understand the questionnaire skip patterns and the categorizations used, see the Plan and Operation of the Second National Health and Nutrition Examination Survey document included with this documentation. All the questionnaires are included in this document.



SPECIAL NOTE

Since there is a separate data record for each food item consumed by each examined sample person, the total number of records found on the microdata tape is 347,925. However, there are only 20,322 examined persons, with one or more data records (one for each food item consumed). The demographic information is located in tape positions 1-350 on every data record. However, the tape description for this data shows only the counts for the total number of examined persons rather than the total number of data records.

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
 DEMOGRAPHIC DATA TAPE

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P.001-005	SAMPLE SEQUENCE NUMBER 00001-27796.....	20,322
P.006-009	CATALOG NUMBER 5371.....	20,322
P.010 DATA USER WORK AREA		
P.011 (SEE DETAILED NOTES) SIZE OF PLACE		
	1-URBANIZED AREA WITH 3,000,000 OR MORE.....	2,530
	2-URBANIZED AREA 1,000,000 TO 2,999,999.....	2,502
	3-URBANIZED AREA WITH 250,000 TO 999,999.....	2,564
	4-URBANIZED AREA UNDER 250,000.....	1,902
	5-URBAN PLACE 25,000 OR MORE OUTSIDE URBANIZED AREA.....	955
	6-URBAN PLACE 10,000-24,999 OUTSIDE URBANIZED AREA.....	922
	7-URBAN PLACE 2,500 TO 9,999 OUTSIDE URBANIZED AREA.....	1,556
	8-RURAL .....	7,391
P.012 (SEE DETAILED NOTES) SMSA-NOT SMSA		
	1-IN SMSA, IN CENTRAL CITY.....	5,709
	2-IN SMSA, NOT IN CENTRAL CITY.....	5,620
	4-NOT IN SMSA.....	8,993
P.013-023 DATA USER WORK AREA		
P.024 07 TYPE OF LIVING QUARTERS		
	1-HOUSING UNIT.....	20,131
	2-OTHER UNIT.....	191

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P.025	Q9	
	LAND USAGE	
	1-URBAN.....	12,969
	2-RURAL.....	7,353
P.026	Q11A	
	IF RURAL, ASKED DOES THIS PLACE HAVE 10 ACRES OR MORE?	
	1-YES.....	1,549
	2-NO.....	5,804
	9-NOT APPLICABLE.....	12,969
P.027	Q11B	
	IF 10 ACRES OR MORE, ASKED IF IN THE LAST 12 MONTHS DID SALES OF FARM PRODUCE AND LIVESTOCK AMOUNT TO \$50 OR MORE?	
	1-YES.....	890
	2-NO.....	659
	9-NOT APPLICABLE.....	18,773
P.028	Q11C	
	IF LESS THAN 10 ACRES, ASKED IF IN THE LAST 12 MONTHS DID SALES OF FARM PRODUCE AND LIVESTOCK AMOUNT TO \$250 OR MORE?	
	1-YES.....	190
	2-NO.....	5,614
	9-NOT APPLICABLE.....	14,518
P.029	DATA USER WORK AREA	
P.030-031	TOTAL NUMBER OF PERSONS IN HOUSEHOLD	
	01-15 AS GIVEN.....	20,322

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P.032-033	TOTAL NUMBER OF SAMPLE PERSONS IN HOUSEHOLD	
	01-06 AS GIVEN.....	20,322
SAMPLE PERSON DATA (P.034-081)		
P.034 DATA USER WORK AREA		
P.035	FAMILY RELATIONSHIP	
	1-HEAD ONE PERSON LIVING ALONE OR WITH NON-RELATIVES.....	2,185
	2-HEAD 2 OR MORE RELATED PERSONS IN FAMILY.....	4,969
	3-WIFE.....	3,869
	4-CHILD.....	8,301
	5-OTHER RELATIVE.....	950
	6-FOSTER CHILD.....	40
	7-HUSBAND.....	8
P.036	EXAMINATION STATUS	
	1-EXAMINED.....	20,322
P.037-041	FAMILY UNIT CODE(SEE DETAILED NOTES)	
	00001-21050, AS GIVEN.....	20,322
P.042-044 DATA USER WORK AREA		
P.045-046 Q3	AGE-MONTHS(AT INTERVIEW)	
	06-11 MONTHS.....	356
	BLANK, IF GREATER THAN 11 MONTHS.....	19,966

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
 DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P.047-048	Q3 AGE-YEARS(AT INTERVIEW)	
	01-74 YEARS.....	19,966
	00, IF LESS THAN 12 MONTHS.....	356
P.049-050	DATA USER WDRK AREA	
P.051-052	Q2 DATE-OF-BIRTH-MONTH	
	01-12 MONTH.....	20,322
P.053-054	DATE-OF-BIRTH-YEAR	
	01-79 YEAR.....	20,322
P.055	Q4 SEX	
	1-MALE.....	9,983
	2-FEMALE.....	10,339
P.056	Q5(SEE DETAILED NOTES) RACE	
	1-WHITE.....	17,105
	2-BLACK.....	2,763
	3-OTHER.....	454
P.057-058	Q6 (SEE DETAILED NOTES) IN WHAT STATE WAS HE/SHE BORN	
	01-97.....	20,086
	88-BLANK, BUT APPLICABLE.....	236

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
 DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P.059	Q7	
	IS HE/SHE MARRIED, WIDOWED, DIVORCED, SEPARATED OR NEVER MARRIED	
	1-UNDER 17.....	7,511
	2-MARRIED.....	8,196
	3-WIDOWED.....	1,151
	4-DIVORCED.....	658
	5-SEPARATED.....	332
	6-NEVER MARRIED.....	2,437
	8-BLANK, BUT APPLICABLE.....	37
P.060-061	Q8	
	NATURAL ORIGIN OR ANCESTRY	
	01-COUNTRIES OF CENTRAL OR SOUTH AMERICA.....	121
	02-CHICANO.....	43
	03-CUBAN.....	95
	04-MEXICAN.....	258
	05-MEXICANO.....	82
	06-MEXICAN-AMERICAN.....	419
	07-PUERTO RICAN.....	192
	08-OTHER SPANISH.....	100
	09-OTHER EUROPEAN, SUCH AS GERMAN, FRENCH, ENGLISH, IRISH.....	14,221
	10-BLACK, NEGRO OR AFRO-AMERICAN.....	2,662
	11-AMERICAN INDIAN OR ALASKAN NATIVE.....	270
	12-ASIAN OR PACIFIC ISLANDER SUCH AS CHINESE, JAPANESE, KOREAN, PHILIPPINO, SAMOAN.....	382
	13-ANOTHER GROUP NOT LISTED.....	1,069
	88-BLANK, BUT APPLICABLE.....	408
P.062-063	Q9A	
	HIGHEST GRADE OF SCHOOL ATTENDED	
	00-NONE (REGARDLESS OF AGE).....	4,351
	21-28-ELEMENTARY GRADES (1-8).....	4,811
	31-34-HIGH SCHOOL (1-4).....	7,297
	41-45-COLLEGE (1-5+).....	3,719
	88-BLANK, BUT APPLICABLE.....	144

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P.064	Q9B	
	GRADE COMPLETED	
	1-YES.....	10,215
	2-NO.....	5,471
	8-BLANK, BUT APPLICABLE.....	285
	BLANK.....	4,351
P.065	Q10A	
	WHAT WAS HE/SHE DOING DURING MOST OF THE PAST 12 MOS.?	
	1-WORKING.....	6,667
	2-KEEPING HOUSE.....	3,372
	3-SOMETHING ELSE.....	2,721
	9-BLANK, BUT APPLICABLE.....	51
	BLANK.....	7,511
P.066	Q10B	
	WHAT WAS HE/SHE DOING?	
	1-LAYOFF.....	27
	2-RETIRED.....	1,179
	3-STUDENT.....	966
	4-ILL.....	61
	5-STAYING HOME.....	96
	6-LOOKING FOR WORK.....	98
	7-UNABLE TO WORK.....	225
	8-BLANK, BUT APPLICABLE.....	51
	0-OTHER.....	69
	BLANK.....	17,550
P.067	Q10C	
	DID HE/SHE WORK AT A JOB OR BUSINESS AT ANY TIME DURING THE PAST THREE MONTHS?	
	1-YES.....	1,095
	2-NO.....	4,998
	3-BLANK, BUT APPLICABLE.....	51
	BLANK.....	14,178

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
 DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P.068	Q10D	
	DID HE/SHE WORK FULL OR PART TIME WHEN WORKING?	
	1-FULL TIME.....	6,188
	2-PART TIME.....	1,574
	8-BLANK, BUT APPLICABLE.....	51
	BLANK.....	12,509
P.069	Q11A	
	WAS HE/SHE WORKING WITHIN LAST TWO WEEKS NOT COUNTING WORK AROUND THE HOUSE?	
	1-YES.....	6,889
	2-NO.....	873
	8-BLANK, BUT APPLICABLE.....	51
	BLANK.....	12,509
P.070	Q11B	
	EVEN THOUGH HE/SHE DID NOT WORK DOES HE/SHE HAVE A JOB OR BUSINESS?	
	1-YES.....	387
	2-NO.....	5,484
	8-BLANK, BUT APPLICABLE.....	51
	BLANK.....	14,400
P.071	Q11C	
	WAS HE/SHE LOOKING FOR WORK OR ON LAYOFF FROM A JOB?	
	1-YES.....	546
	2-NO.....	5,325
	8-BLANK, BUT APPLICABLE.....	51
	BLANK.....	14,400
P.072	Q11D	
	WHICH LOOKING FOR WORK OR ON LAYOFF FROM A JOB?	
	1-LOOKING.....	424
	2-LAYOFF.....	91
	3-BOTH.....	31
	8-BLANK, BUT APPLICABLE.....	51
	BLANK.....	19,725



NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
DEMOGRAPHIC DATA TAPE-CONTINUED

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TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P.073-075	Q12B (SEE DETAILED NOTES)	
	WHAT KIND OF INDUSTRY OR BUSINESS IS THIS?	
	017-998 (LAST DIGIT 7,8,9).....	7,701
	000-BLANK, BUT APPLICABLE.....	118
	BLANK.....	12,503
P.076-078	Q12C (SEE DETAILED NOTES)	
	WHAT KIND OF WORK WAS HE/SHE DOING?	
	001-992-OCCUPATION (LAST DIGIT 0-6).....	7,690
	000-BLANK, BUT APPLICABLE.....	129
	BLANK.....	12,503
P.079	Q12E	
	WAS HE/SHE IN PRIVATE COMPANY OR BUSINESS OR WORKING FOR INDIVIDUAL FOR WAGES, SALARY, OR COMMISSION?	
	1-PRIVATE.....	5,361
	2-A FEDERAL GOVT EMPLOYEE.....	277
	3-A STATE GOVT EMPLOYEE.....	443
	4-A LOCAL GOVT EMPLOYEE.....	647
	5-INCORPORATED-OWN.....	139
	6-SELF-EMPLOYED (OR FARM).....	775
	7-WORKING WITHOUT PAY IN FAMILY BUSINESS OR FARM.....	61
	8-NEVER WORKED.....	38
	0-BLANK, BUT APPLICABLE.....	78
	BLANK.....	12,503
P.080	Q13A	
	DID HE/SHE EVER SERVE IN THE ARMED FORCES OF THE U.S.?	
	1-YES.....	2,243
	2-NO.....	10,336
	8-BLANK, BUT APPLICABLE.....	232
	BLANK.....	7,511

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
 DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S) ITEM DESCRIPTION AND CODES	CONTROL COUNTS
<b>P.081 Q13B</b> WHEN DID HE/SHE SERVE?	
1-VIETNAM.....	551
2-KOREAN WAR.....	283
3-WORLD WAR II.....	1,101
4-WORLD WAR I.....	3
5-POST VIETNAM.....	10
6-OTHER SERVICE.....	271
8-BLANK, BUT APPLICABLE.....	232
9-DO NOT KNOW.....	24
BLANK.....	17,847
<b>P.082-090 DATA USER WORK AREA</b>	
<b>HOUSEHOLD DATA(P.091-212)</b>	
<b>P.091 Q14A</b> HOW MANY ROOMS ARE IN THIS..? COUNT THE KITCHEN, BUT NOT THE BATH.	
1-8 ROOMS.....	18,954
9-9 OR MORE ROOMS.....	1,368
<b>P.092 Q14B</b> HOW MANY BEDROOMS ARE IN THIS - ?	
0-7 BEDROOMS - MORE THAN 7 BEDROOMS CODED AS 7.....	20,322
<b>P.093 Q14C</b> ASK ONLY OF UNRELATED HOUSEHOLD MEMBERS. DO YOU HAVE COMPLETE KITCHEN FACILITIES IN YOUR LIVING QUARTERS, THAT IS A KITCHEN SINK WITH PIPED WATER, A REFRIGERATOR AND A RANGE OR COOKSTOVE?	
1-YES.....	143
2-NO.....	198
BLANK.....	19,981

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
 DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P.094	Q15A	
	DO YOU HAVE ACCESS TO COMPLETE KITCHEN FACILITIES IN THIS HOUSE?	
	1-YES.....	19,817
	2-NO.....	287
	8-BLANK, BUT APPLICABLE.....	75
	BLANK.....	143
P.095	Q15B	
	DO YOU HAVE ACCESS TO A RANGE OR COOKSTOVE?	
	1-YES.....	178
	2-NO.....	109
	8-BLANK, BUT APPLICABLE.....	75
	BLANK.....	19,960
P.096	Q15B	
	DO YOU HAVE ACCESS TO A REFRIGERATOR?	
	1-YES.....	203
	2-NO.....	84
	8-BLANK, BUT APPLICABLE.....	75
	BLANK.....	19,960
P.097	Q15B	
	DO YOU HAVE ACCESS TO A SINK WITH PIPED WATER?	
	1-YES.....	102
	2-NO.....	185
	8-BLANK, BUT APPLICABLE.....	75
	BLANK.....	19,960
P.098	Q15C	
	IS THERE PIPED WATER IN THIS HOUSE (THESE LIVING QUARTERS)?	
	1-YES.....	25
	2-NO.....	160
	8-BLANK, BUT APPLICABLE.....	75
	BLANK.....	20,062

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P.099	Q15D	
	IS THERE BOTH HOT AND COLD WATER?	
	1-YES.....	117
	2-NO.....	10
	8-BLANK, BUT APPLICABLE.....	75
	BLANK.....	20,120
P.100	Q15E	
	ARE THESE KITCHEN FACILITIES USED BY ANYONE NOT LIVING IN THIS HOUSEHOLD?	
	1-YES.....	315
	2-NO.....	19,502
	8-BLANK, BUT APPLICABLE.....	75
	BLANK.....	430
P.101-102	Q16	
	WHAT IS THE MAIN TYPE OF HEATING SYSTEM YOU HAVE?	
	11-STEAM OR HOT WATER SYSTEM.....	3,138
	12-CENTRAL WARM AIR FURNACE WITH DUCTS TO INDIVIDUAL ROOMS OR CENTRAL HEAT PUMP (FORCED AIR).....	9,887
	13-BUILT IN ELECTRIC UNITS (PERMANENTLY INSTALLED IN WALL, CEILING OR BASEBOARD).....	1,204
	14-FLOOR, WALL OR PIPELESS FURNACE.....	1,726
	15-CIRCULATING, RADIANT OR ROOM HEATERS, WITH FLUE OR VENT, BURNING GAS, OIL OR KEROSENE.....	1,722
	16-CIRCULATING, RADIANT, OR ROOM HEATERS (NOT PORTABLE) WITHOUT FLUE OR VENT BURNING GAS, OIL OR KEROSENE.....	814
	17-FIREPLACE OR STOVES BURNING COAL, WOOD OR COKE.....	717
	18-PORTABLE ROOM HEATERS OF ANY KIND.....	423
	19-SOME OTHER TYPE.....	257
	20-NONE, UNIT IS NOT HEATED.....	299
	88-BLANK, BUT APPLICABLE.....	135
P.103	Q17	
	DO YOU HAVE AIR CONDITIONING?	
	1-YES, INDIVIDUAL ROOM UNIT.....	6,052
	2-YES, CENTRAL AIR CONDITIONING.....	3,646
	3-NO.....	10,549
	8-BLANK, BUT APPLICABLE.....	95

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
 DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P.104	Q18	
	HOW MANY MOTOR VEHICLES ARE OWNED OR REGULARLY USED FOR TRANSPORTATION BY MEMBERS OF YOUR FAMILY?	
	0-NONE.....	2,256
	1-8 VEHICLES (MORE THAN 8 CODED AS 8).....	17,917
	9-BLANK, BUT APPLICABLE.....	149
P.105	Q19A	
	IS ANY LANGUAGE OTHER THAN ENGLISH SPOKEN BY FAMILY MEMBERS LIVING HERE?	
	1-YES.....	2,185
	2-NO.....	18,045
	3-BLANK, BUT APPLICABLE.....	92
P.106	Q19B	
	WHAT LANGUAGE	
	0 GERMAN.....	89
	1-ITALIAN.....	120
	2-FRENCH.....	250
	3-POLISH.....	55
	4-RUSSIAN.....	19
	5-SPANISH.....	1,168
	6-CHINESE.....	42
	7-OTHER LANGUAGE.....	428
	8-BLANK, BUT APPLICABLE.....	106
	9-NOT APPLICABLE.....	18,045
P.107-108	Q20(SEE DETAILED NOTES)	
	WHICH OF THESE INCOME GROUPS REPRESENTS YOUR TOTAL COMBINED FAMILY INCOME FOR THE PAST 12 MONTHS?	
	11-UNDER \$1,000.....	235
	12-\$1,000-1,999.....	398
	13-\$2,000-2,999.....	738
	14-\$3,000-3,999.....	869
	15-\$4,000-4,999.....	828
	16-\$5,000-5,999.....	733
	17-\$6,000-6,999.....	595
	18-\$7,000-9,999.....	3,630
	19-\$10,000-14,999.....	4,034
	20-\$15,000-19,999.....	3,046

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
 DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P.107-108 Q20(SEE DETAILED NOTES)		
WHICH OF THESE INCOME GROUPS REPRESENTS YOUR TOTAL COMBINED FAMILY INCOME FOR THE PAST 12 MONTHS?		
	21-\$20,000-24,999.....	2,071
	22-\$25,000 AND OVER .....	2,394
	88-BLANK, BUT APPLICABLE.....	751
P.109-112 Q21		
DURING THE PAST 12 MONTHS, HOW MUCH MONEY DID YOU AND ALL MEMBERS OF YOUR FAMILY RECEIVE IN WAGES OR SALARIES BEFORE DEDUCTIONS?		
	0000-5999 AMOUNT.....	4,200
	8888-BLANK, BUT APPLICABLE.....	947
	BLANK.....	15,175
P.113 Q22A		
SOCIAL SECURITY OR RAILROAD RETIREMENT?		
	1-YES.....	1,750
	2-NO.....	2,742
	8-BLANK, BUT APPLICABLE.....	655
	BLANK.....	15,175
P.114 DATA USER WORK AREA		
P.115-118		
IF YES, HOW MUCH?		
	0038-5828 AMOUNT.....	1,664
	8888-BLANK, BUT APPLICABLE.....	741
	BLANK.....	17,917
P.119 Q22B		
WELFARE PAYMENTS OR OTHER PUBLIC ASSISTANCE?		
	1-YES.....	1,311
	2-NO.....	3,187
	8-BLANK, BUT APPLICABLE.....	649
	BLANK.....	15,175

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
 DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
<b>P.120 DATA USER WORK AREA</b>		
<b>P.121-124 IF YES, HOW MUCH?</b>		
	0012-6800 AMOUNT.....	1,269
	8888-BLANK, BUT APPLICABLE.....	691
	BLANK.....	18,362
<b>P.125 Q22C UNEMPLOYMENT COMPENSATION OR WORKMEN'S COMPENSATION</b>		
	1-YES.....	347
	2-NO.....	4,152
	8-BLANK, BUT APPLICABLE.....	648
	BLANK.....	15,175
<b>P.126 DATA USER WORK AREA</b>		
<b>P.127-130 IF YES, HOW MUCH?</b>		
	0015-5640 AMOUNT.....	306
	8888-BLANK, BUT APPLICABLE.....	689
	BLANK.....	19,327
<b>P.131 Q22D GOVERNMENT EMPLOYEE PENSION OR PRIVATE PENSIONS?</b>		
	1-YES.....	256
	2-NO.....	4,240
	8-BLANK, BUT APPLICABLE.....	651
	BLANK.....	15,175

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
<b>P.132 DATA USER WORK AREA</b>		
<b>P.133-136</b>		
<b>IF YES, HOW MUCH?</b>		
	0036-6000 AMOUNT.....	234
	8888-BLANK,BUT APPLICABLE.....	673
	BLANK.....	19,415
<b>P.137 Q22E</b>		
<b>DIVIDENDS, INTEREST OR RENT?</b>		
	1-YES.....	464
	2-NO.....	4,026
	8-BLANK, BUT APPLICABLE.....	657
	BLANK.....	15,175
<b>P.138 DATA USER WORK AREA</b>		
<b>P.139-142</b>		
<b>IF YES, HOW MUCH?</b>		
	0001-5200 AMOUNT.....	427
	8888-BLANK,BUT APPLICABLE.....	694
	BLANK.....	19,201
<b>P.143 Q22F</b>		
<b>NET INCOME FROM THEIR OWN BUSINESS(NONFARM)PROFESSIONAL PRACTICE, OR PARTNERSHIP?</b>		
	1-YES.....	157
	2-NO.....	4,317
	3-LOSS.....	18
	8-BLANK, BUT APPLICABLE.....	655
	BLANK.....	15,175



NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
<b>P.144 DATA USER WORK AREA</b>		
<b>P.145-148</b>		
<b>IF YES, HOW MUCH?</b>		
	0001-5800 AMOUNT.....	139
	8888-BLANK,BUT APPLICABLE.....	691
	BLANK.....	19,492
<b>P.149 Q226</b>		
<b>NET INCOME FROM A FARM?</b>		
	1-YES.....	120
	2-NO.....	4,342
	3-LOSS.....	29
	8-BLANK, BUT APPLICABLE.....	656
	BLANK.....	15,175
<b>P.150 DATA USER WORK AREA</b>		
<b>P.151-154</b>		
<b>IF YES, HOW MUCH?</b>		
	0000-5500 AMOUNT.....	117
	8888-BLANK,BUT APPLICABLE.....	688
	BLANK.....	19,517
<b>P.155 Q22H</b>		
<b>VETERANS PAYMENTS?</b>		
	1-YES.....	245
	2-NO.....	4,251
	8-BLANK, BUT APPLICABLE.....	651
	BLANK.....	15,175

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
 DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S) ITEM DESCRIPTION AND CODES	CONTROL COUNTS
<b>P.156 DATA USER WORK AREA</b>	
<b>P.157-160</b>	
IF YES, HOW MUCH?	
0060-5000 AMOUNT.....	231
8888-BLANK, BUT APPLICABLE.....	665
BLANK.....	19,426
<b>P.161 Q22I</b>	
ALIMONY, CHILD SUPPORT OR OTHER SUPPORT FROM PERSONS NOT IN HOUSEHOLD?	
1-YES.....	312
2-NO.....	4,182
8-BLANK, BUT APPLICABLE.....	653
BLANK.....	15,175
<b>P.162 DATA USER WORK AREA</b>	
<b>P.163-166</b>	
IF YES, HOW MUCH?	
0020-5900 AMOUNT.....	297
8888-BLANK, BUT APPLICABLE.....	668
BLANK.....	19,357
<b>P.167 Q22J</b>	
ANY OTHER INCOME?	
1-YES.....	196
2-NO.....	4,299
8-BLANK, BUT APPLICABLE.....	652
BLANK.....	15,175

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
 DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
<b>P.168 DATA USER WORK AREA</b>		
<b>P.169-172</b>		
	<b>IF YES, HOW MUCH?</b>	
	0003-5403 AMOUNT.....	188
	8888-BLANK, BUT APPLICABLE.....	660
	BLANK.....	19,474
<b>P.173-176</b>		
	<b>TOTAL AMOUNT (Q 21 &amp; 22)</b>	
	0000-5999 AMOUNT.....	4,036
	8888-BLANK, BUT APPLICABLE.....	1,111
	BLANK.....	15,175
<b>P.177</b>		
	<b>CHECK ITEM B</b>	
	2-FOOD STAMPS AVAILIABLE.....	20,080
	4-BOTH - FOOD STAMPS AND COMMODITIES.....	242
<b>P.178 Q23A</b>		
	<b>ARE YOU CERTIFIED TO PARTICIPATE IN THE FOOD STAMP PROGRAM?</b>	
	1-YES.....	2,349
	2-NO.....	16,921
	8-BLANK, BUT APPLICABLE.....	4
	9-DONT KNOW.....	1,048
<b>P.179 Q23B</b>		
	<b>ARE YOU BUYING FOOD STAMPS NOW?</b>	
	1-YES, REGULARLY.....	1,740
	2-YES, OCCASIONALLY.....	117
	3-NO.....	457
	8-BLANK, BUT APPLICABLE.....	39
	BLANK.....	17,969

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P.180	Q23C	
	WHAT IS THE MAIN REASON YOU ARE NOT PARTICIPATING IN THE PROGRAM?	
	1-NO NEED.....	77
	2-NOT ENOUGH MONEY AT THE TIME.....	96
	3-NO TRANSPORTATION.....	16
	4-PRIDE.....	31
	5-OTHER.....	201
	8-BLANK, BUT APPLICABLE.....	75
	BLANK.....	19,826
P.181	Q24A	
	ARE YOU CERTIFIED FOR COMMODITY DISTRIBUTION PROGRAM?	
	1-YES.....	17
	2-NO.....	215
	9-DO NOT KNOW.....	10
	BLANK.....	20,080
P.182	Q24B	
	ARE YOU RECEIVING COMMODITY FOODS NOW FOR YOUR FAMILY?	
	1-YES, REGULARY.....	2
	2-YES, OCCASIONALLY.....	1
	3-NO.....	14
	BLANK.....	20,305
P.183	Q24C	
	WHY AREN'T YOU PARTICIPATING IN THE PROGRAM?	
	1-NO NEED.....	4
	2-NO TRANSPORTATION.....	2
	3-PRIDE.....	3
	4-OTHER.....	4
	8-BLANK, BUT APPLICABLE.....	1
	BLANK.....	20,308

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P.184-185 (CONTROL RECORD)	DATE OF EXAM MONTH	
01-12.....		20,322
P.186-187 (CONTROL RECORD)	DATE OF EXAM DAY	
00-31.....		20,322
P.188-189 (CONTROL RECORD)	DATE OF EXAM YEAR	
76-80.....		20,322
P.190-191	AGE YEARS(AT EXAMINATION)	
01-75 YEARS.....		20,023
00-IF LESS THAN 12 MONTHS OR NON-EXAMINED.....		299
P.192-205	DATA USER WORK AREA	
P.206	RACE SEX RECODE FOR SAMPLE PERSON(SEE DETAILED NOTES)	
1-MALE, WHITE.....		8,389
2-MALE, BLACK.....		1,341
3-MALE, OTHER.....		253
4-FEMALE, WHITE.....		8,716
5-FEMALE, BLACK.....		1,422
6-FEMALE, OTHER.....		201
P.207 (SEE DETAILED NOTES)	FARM, NON-FARM RECODE FOR SAMPLE PERSON	
1-FARM.....		1,080
2-NON FARM.....		19,242

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P. 208	INTERVIEW STATUS	
	1-INTERVIEWED.....	20,322
P. 209	(SEE DETAILED NOTES) REGION	
	1-NORTHEAST.....	4,396
	2-MIDWEST.....	5,421
	3-SOUTH.....	5,507
	4-WEST.....	4,998
P. 210-212	(SEE DETAILED NOTES) POVERTY INDEX(X.XX)	
	001-880 (AS GIVEN).....	19,569
	999-UNKNOWN.....	753
P. 213-246	DATA USER WORK AREA	
	HEAD OF HOUSEHOLD DATA (P. 247-281)	
P. 247-248	Q3 AGE YEARS	
	15-99 YEARS (MORE THAN 100 CODED AS 99).....	20,322
P. 249-250	DATA USER WORK AREA	
P. 251-252	Q2 DATA-OF-BIRTH-MONTH	
	01-12 MONTH.....	20,267
	88-BLANK, BUT APPLICABLE.....	55

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P. 253-254	DATE-OF-BIRTH-YEAR	
	00-99 YEAR.....	20,322
P. 255 Q4	SEX	
	1-MALE.....	16,372
	2-FEMALE.....	3,950
P. 256 Q5	RACE(SEE DETAILED NOTES)	
	1-WHITE.....	17,131
	2-BLACK.....	2,748
	3-OTHER.....	443
P. 257-258 Q6 (SEE DETAILED NOTES)	IN WHAT STATE WAS HE/SHE BORN?	
	01-97.....	20,150
	88-BLANK, BUT APPLICABLE.....	172
P. 259 Q7	IS HE/SHE MARRIED, WIDOWED, DIVORCED, SEPERATED, OR NEVER MARRIED?	
	1-UNDER 17.....	3
	2-MARRIED.....	15,273
	3-WIDOWED.....	1,492
	4-DIVORCED.....	1,248
	5-SEPERATED.....	828
	6-NEVER MARRIED.....	1,430
	8-BLANK, BUT APPLICABLE.....	48

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
 DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
<b>P. 260-261 Q8</b>		
<b>NATURAL ORIGIN OR ANCESTRY?</b>		
	01-COUNTRIES OF CENTRAL OR SOUTH AMERICA.....	126
	02-CHICANO.....	46
	03-CUBAN.....	93
	04-MEXICAN.....	287
	05-MEXICANO.....	104
	06-MEXICAN-AMERICAN.....	342
	07-PUERTO RICAN.....	205
	08-OTHER SPANISH.....	86
	09-OTHER EUROPEAN, SUCH AS GERMAN, FRENCH, ENGLISH, IRISH.....	14,324
	10-BLACK, NEGRO OR AFRO-AMERICAN.....	2,640
	11-AMERICAN INDIAN OR ALASKAN NATIVE.....	329
	12-ASIAN OR PACIFIC ISLANDER SUCH AS CHINESE, JAPANESE, KOREAN, PHILIPPINO, SAMOAN.....	378
	13-ANOTHER GROUP NOT LISTED.....	958
	88-BLANK, BUT APPLICABLE.....	404
<b>P. 262-263 Q9A</b>		
<b>HIGHEST GRADE ATTENDED</b>		
	00-NONE (REGARDLESS OF AGE).....	153
	21-28-ELEMENTARY GRADES (1-3).....	3,955
	31-34-HIGH SCHOOL (1-4).....	9,834
	41-45-COLLEGE (1-5+).....	6,175
	88-BLANK, BUT APPLICABLE.....	205
<b>P. 264 Q9B</b>		
<b>GRADE COMPLETED</b>		
	1-YES.....	15,079
	2-NO.....	4,669
	8-BLANK, BUT APPLICABLE.....	421
	BLANK.....	153
<b>P. 265 Q10A</b>		
<b>WHAT WAS HE/SHE DOING MOST OF THE PAST 12 MONTHS?</b>		
	1-WORKING.....	14,684
	2-KEEPING HOUSE.....	1,891
	3-SOMETHING ELSE.....	3,666
	8-BLANK, BUT APPLICABLE.....	78
	BLANK.....	3



NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P.266	Q10B	
	WHAT WAS HE/SHE DOING?	
	1-LAYOFF.....	94
	2-RETIRED.....	2,160
	3-STUDENT.....	476
	4-ILL.....	147
	5-STAYING HOME.....	110
	6-LOOKING FOR WORK.....	143
	7-UNABLE TO WORK.....	445
	8-BLANK, BUT APPLICABLE.....	78
	0-OTHER.....	91
	BLANK.....	16,578
P.267	Q10C	
	DID HE/SHE WORK AT JOB OR BUSINESS DURING PAST THREE MONTHS?	
	1-YES.....	779
	2-NO.....	4,778
	8-BLANK, BUT APPLICABLE.....	78
	BLANK.....	14,687
P.268	Q10D	
	DID HE/SHE WORK FULL OR PART TIME WHEN WORKING?	
	1-FULL TIME.....	14,166
	2-PART TIME.....	1,297
	8-BLANK, BUT APPLICABLE.....	78
	BLANK.....	4,781
P.269	Q11A	
	DID HE/SHE WORK AT ANY TIME THE LAST TWO WEEKS NOT COUNTING WORK AROUND THE HOUSE?	
	1-YES.....	14,317
	2-NO.....	1,146
	8-BLANK BUT APPLICABLE.....	78
	BLANK.....	4,781

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
 DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P.270	Q11B	
	EVEN THOUGH HE/SHE DID NOT WORK, DOES HE/SHE HAVE HAVE A JOB OR BUSINESS?	
	1-YES.....	621
	2-NO.....	5,303
	8-BLANK, BUT APPLICABLE.....	78
	BLANK.....	14,320
P.271	Q11C	
	WAS HE/SHE LOOKING FOR WORK OR ON LAYOFF FROM A JOB?	
	1-YES.....	761
	2-NO.....	5,163
	8-BLANK, BUT APPLICABLE.....	78
	BLANK.....	14,320
P.272	Q11D	
	WHICH LOOKING FOR WORK OR ON LAYOFF FROM A JOB?	
	1-LOOKING.....	535
	2-LAYOFF.....	170
	3-BOTH.....	56
	8-BLANK, BUT APPLICABLE.....	78
	BLANK.....	19,483
P.273-275	Q12B (SEE DETAILED NOTES)	
	TYPE OF INDUSTRY OR BUSINESS?	
	017-998 (LAST DIGIT 7,8,9).....	15,322
	000-BLANK, BUT APPLICABLE.....	366
	BLANK.....	4,634
P.276-278	Q12C (SEE DETAILED NOTES)	
	WHAT KIND OF WORK WAS HE/SHE DOING?	
	001-992-OCCUPATION (LAST DIGIT 0-5).....	15,313
	000-BLANK, BUT APPLICABLE.....	375
	BLANK.....	4,634

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P.279	Q12E	
	. WAS HE/SHE IN PRIVATE COMPANY OR BUSINESS OR WORKING FOR INDIVIDUAL FOR WAGES, SALARY, OR COMMISSION?	
	1-PRIVATE.....	10,773
	2-A FEDERAL GOVT EMPLOYEE.....	788
	3-A STATE GOVT EMPLOYEE.....	741
	4-A LOCAL GOVT EMPLOYEE.....	1,062
	5-INCORPORATED-JWN.....	388
	6-SELF-EMPLOYED (OR FARM).....	1,758
	7-WORKING WITHOUT PAY IN FAMILY BUSINESS OR FARM.....	10
	8-NEVER WORKED.....	19
	0-BLANK, BUT APPLICABLE.....	149
	BLANK.....	4,634
P.280	Q13A	
	DID HE/SHE EVER SERVE IN THE ARMED FORCES OF THE U.S.?	
	1-YES.....	7,205
	2-NO.....	12,896
	8-BLANK, BUT APPLICABLE.....	218
	BLANK.....	3
P.281	Q13B	
	WHEN DID HE/SHE SERVE?	
	1-VIETNAM.....	2,135
	2-KOREAN WAR.....	1,221
	3-WORLD WAR II.....	2,429
	4-WORLD WAR I.....	47
	5-POST VIETNAM.....	220
	6-OTHER SERVICE.....	1,057
	8-BLANK, BUT APPLICABLE.....	218
	9-DO NOT KNOW.....	96
	BLANK.....	12,899

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
SEE DETAILED NOTES FOR POSITIONS 282-326		
P. 282-287 EXAMINED FINAL WEIGHT		
001218-079634.....		20,322
P. 288-293 MEDICAL HISTORY INTERVIEW FINAL WEIGHT		
001171-071969.....		20,322
P. 294-299 GLUCOSE TOLERANCE TEST FINAL EXAMINED WEIGHT		
003502-084477.....		5,903
000000.....		14,419
P. 300-305 LEAD FINAL EXAMINED WEIGHT		
001218-084115.....		12,288
000000.....		8,034
P. 306-311 CARBOXYHEMOGLOBIN FINAL EXAMINED WEIGHT		
002546-110759.....		9,365
000000.....		10,957
P. 312-317 BILE ACIDS FINAL EXAMINED WEIGHT		
003519-087638.....		4,049
000000.....		16,233

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY - NHANES II  
DEMOGRAPHIC DATA TAPE-CONTINUED

TAPE POSITION(S)	ITEM DESCRIPTION AND CODES	CONTROL COUNTS
P. 318-323	DATA USER WORK AREA	
P. 324-325 STRATA		
01-32	.....	20,322
P. 326		
PSEUDO PRIMARY SAMPLING UNIT		
1 OR 2	.....	20,322
P. 327-350	DATA USER WORK AREA	

C. Tape Description (cont.)

24-Hour Recall--Specific Food Item Data

Use of Special Terms

The term "data user work area" refers to blank areas in the data tape which are reserved for the user as needed.

The term "blank, but applicable", is used to indicate a data item that was to have a response for a sample person but none was given. The terms "blank" and "Not applicable" refer to data items where the sample person was not supposed to respond to the question or receive the examination component.

To more fully understand the questionnaire skip patterns and the categorizations used, see the Plan and Operation of the Second National Health and Nutrition Examination Survey document included with this documentation. All the questionnaires are included in this document.

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

24-HOUR RECALL--SPECIFIC FOOD ITEM TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
351-354	CATALOG NUMBER: 5704	347,925	
355	<u>Respondent Code</u> (col. 16 on recall form)		
	1 - sample person	252,698	
	2 - spouse	677	
	3 - parent	69,483	
	4 - grandparent	1,250	
	5 - combination of above	21,116	
	6 - other	2,701	
356	<u>Day of Recall Code</u> (col. 35 on recall form)		
	1 - Sunday	1,634	Emergency situations made it necessary to reschedule appointments on Sundays and Mondays. Dietary data collected for these sample persons reflect intakes for Saturdays and Sundays.
	2 - Monday	62,931	
	3 - Tuesday	69,621	
	4 - Wednesday	67,230	
	5 - Thursday	65,653	
	6 - Friday	80,592	
	7 - Saturday	264	
357	<u>Ingestion Period</u> (col. 36 on recall form)		
	1 - A.M.	75,777	
	2 - Noon	88,766	
	3 - Between meals	76,054	
	4 - P.M.	107,048	
	5 - Total Day	280	

(NOTE: The ingestion period code '5' refers to one or more food items prepared once and eaten throughout the day. This code is not used when ingestion periods 1-4 are reported.)

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

24-HOUR RECALL--SPECIFIC FOOD ITEM TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
358-361	<u>Time of Day</u> (col. 57-60 on the recall form)		
	0001 - 2400 - As given 9999 - No food ingested (SKIPO) (Note: The time was recorded using military times)	339,569 8,356	
362	<u>Food Source</u> (col. 61 on the recall form)		
	1 - Home 2 - School 3 - Restaurant 4 - Other	262,961 14,962 39,831 30,171	The "Other" category includes meals eaten from fast food restaurants, vending machines, or someone else's home.
363-365	<u>Interviewer Code</u> (col. 75-77 on the recall form)		
	050 - 059, 075 - As given	347,925	
366	<u>Imputation Code</u>		
	0 - Actual 1 - Imputed	344,096 3,829	See Detailed Note
367-368	<u>Food Item Line Number</u> (col. 62-63 on the recall form)		
	01 - 81 As given	347,925	



NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

24-HOUR RECALL--SPECIFIC FOOD ITEM TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
369-370	<u>Food Group: (18 Groups)</u> 00 - No Food Ingested 01 - Milk and Milk Products 02 - Meats 03 - Poultry 04 - Organ Meats 05 - Fish/Shellfish 06 - Eggs 07 - Soups, Sauces, Gravies 08 - Fats/Oils 09 - Legumes/Nuts/Seeds 10 - Cereals and Grain Products 11 - Fruits, Vegetables and Juices 12 - Sugar and Sugar Products 13 - Desserts 14 - Miscellaneous 15 - Mixed Dishes 16 - Alcoholic Beverages 17 - Low Calorie Beverages 18 - Salty Snacks	8,356 42,866 21,337 5,006 549 2,560 6,428 7,202 35,968 4,026 49,841 62,853 40,901 14,714 3,977 7,727 4,628 24,615 4,371	See Detailed Note
371-375	<u>Food Code (col. 37-41 on the recall form)</u> 00002 - 94001 - As given 09999 - ingestion period skipped (No food ingested)	339,569 8,356	See Detailed Note.

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

24-HOUR RECALL--SPECIFIC FOOD ITEM TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
376-382	<u>Grams ingested per food consumed</u> (xxxxxx.xx - decimal not shown on tape)		Each line of food reported in grams is derived by multiplying the gram conversion factor of the food code times the number of ounces represented by the Food Model. See documentation for NHANES II nutrient data bank tapes catalog Nos. 5702,5703
	0000003 - 2716000 - As given 9999999 value assigned when ingestion period shipped (No food ingested)	339,569 8,356	
	<u>Nutrients per food consumed</u> 99999999 is used when an ingestion period is skipped (i.e. no food eaten) 88888888 is used when the amount of the nutrient per 100 gram edible portion of the specific food ingested is unknown in the NHANES II nutrient data bank. A value of 00000000 indicates the food item has none of the particular nutrient.		
383-390	<u>Calories</u> (xxxxxx.xx - decimal not shown on tape) 00000000 - 00673325 - As given 88888888 - Blank, but applicable 99999999 - No food ingested	339,569 0 8,356	Calories include calories from alcohol.
391-398	<u>Protein (Grams)</u> (xxxxxx.xx - decimal not shown on tape) 00000000 - 00040656 - As given 88888888 - Blank, but applicable 99999999 - No food ingested	333,793 5,776 8,356	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

24-HOUR RECALL--SPECIFIC FOOD ITEM TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
399-406	<u>Fat (Grams) (xxxxxx.xx - decimal not shown on tape)</u> 00000000 - 00061496 - As given 88888888 - Blank, but applicable 99999999 - No food ingested	333,649 5,920 8,356	
407-414	<u>Total Carbohydrates (Grams)</u> (xxxxxx.xx - decimal not shown on tape)  00000000 - 00120644 - As given 88888888 - Blank, but applicable 99999999 - No food ingested	336,805 2,764 8,356	Data on fiber carbohy- drates and sugars are not provided.
415-422	<u>Calcium (milligrams) (xxxxxx.xx - decimal not shown on tape)</u> 00000000 - 00906240 - As given 88888888 - Blank, but applicable 99999999 - No food ingested	335,795 3,774 8,356	
423-430	<u>Phosphorus (milligrams)</u> (xxxxxx.xx - decimal not shown on tape)  00000000 - 00714240 - As given 88888888 - Blank, but applicable 99999999 - No food ingested	331,289 8,280 8,356	
431-438	<u>Iron (milligrams) (xxxxxx.xx - decimal not shown on tape)</u> 00000000 - 00009542 - As given 88888888 - Blank, but applicable 99999999 - No food ingested	335,751 3,818 8,356	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

24-HOUR RECALL--SPECIFIC FOOD ITEM TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
439-446	<u>Sodium (milligrams)</u> (xxxxxx.xx - decimal not shown on tape) 00000000 - 01650348 - As given 88888888 - Blank, but applicable 99999999 - No food ingested	327,405 12,164 8,356	Value for sodium does not include table salt.
447-454	<u>Potassium (milligrams)</u> (xxxxxx.xx - decimal not shown on tape) 00000000 - 01105920 - As given 88888888 - Blank, but applicable 99999999 - No food ingested	329,483 10,086 8,356	
455-462	<u>Vitamin A (International Units)</u> (xxxxxx.xx - decimal not shown on tape) 00000000 - 23923200 - As given 88888888 - Blank, but applicable 99999999 - No food ingested	325,210 14,359 8,356	Values for retinol or carotene are not available.
463-470	<u>Thiamine (milligrams)</u> (xxxxxx.xx - decimal not shown on tape) 00000000 - 00001181 - As given 88888888 - Blank, but applicable 99999999 - No food ingested	333,113 6,456 8,356	
471-478	<u>Riboflavin (milligrams)</u> (xxxxxx.xx - decimal not shown on tape) 00000000 - 00002802 - As given 88888888 - Blank, but applicable 99999999 - No food ingested	335,902 3,667 8,356	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

24-HOUR RECALL--SPECIFIC FOOD ITEM TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
479-486	Preformed Niacin (milligrams) (xxxxxx.xx - decimal not shown on tape)		
	00000000 - 00011088 - As given	335,395	
	88888888 - Blank, but applicable	4,174	
	99999999 - No food ingested	8,356	
487-494	Vitamin C (milligrams) (xxxxxx.xx decimal not shown on tape)		
	00000000 - 00115200 - As given	330,618	
	88888888 - Blank, but applicable	8,951	
	99999999 - No food ingested	8,356	
495-502	Saturated Fatty Acid (Grams) (xxxxxx.xx - decimal not shown on tape)		
	00000000 - 00029524 - As given	320,413	
	88888888 - Blank, but applicable	19,156	
	99999999 - No food ingested	8,356	
503-510	Oleic Acid (Grams) (xxxxxx.xx - decimal not shown on tape)		
	00000000 - 00027061 - As given	320,181	
	88888888 - Blank, but applicable	19,388	
	99999999 - No food ingested	8,356	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

24-HOUR RECALL--SPECIFIC FOOD ITEM TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
511-518	<u>Linoleic Acid (Grams)</u> (xxxxxx.xx - decimal not shown on tape)		
	00000000 - 00013500 - As given 88888888 - Blank, but applicable 99999999 - No food ingested	319,982 19,587 8,356	
519-526	<u>Cholesterol (milligrams)</u> (xxxxxx.xx decimal not shown on tape)		
	00000000 - 00469980 - As given 88888888 - Blank, but applicable 99999999 - No food ingested	320,349 19,220 8,356	
527-550	Data User Work Area		

DETAILED NOTES  
TAPE POSITION 11

Size of Place

Size of place classification was derived from the 1970 census.

According to the definition used in the 1970 census, the urban population was comprised of all persons living in (a) places of 2,500 inhabitants or more incorporated as cities, boroughs (except Alaska), villages and towns (except towns in New York, New England States, and Wisconsin), but excluding those persons living in the rural portions of extended cities; (b) unincorporated places of 2,500 inhabitants or more; and (c) other territories included in urbanized areas. The remaining population was classified as rural.

Urban areas are further classified by population size for places within urbanized areas and other places outside urbanized areas.

DETAILED NOTES  
TAPE POSITION 12

SMSA

Except in New England, a standard metropolitan statistical area is basically a county or a group of contiguous counties which contains at least one city of 50,000 inhabitants or more, or "twin cities" with a combined population of at least 50,000. In addition to the county or counties containing such a city or cities, contiguous counties are included in an SMSA if, according to the 1970 census, they are socially and economically integrated with the central city. Each SMSA must include at least one central city, and the complete title of an SMSA identifies the central city or cities. In New England, SMSA's consist of towns and cities, rather than counties.



DETAILED NOTES  
TAPE POSITIONS 37-41

Family Unit Code

All related sample persons in the same family unit have the same computer generated family unit code. This will enable analysis of individual family units.

DETAILED NOTES  
TAPE POSITIONS 56,256

Race

The race of the respondent was marked by observation and the interviewers were instructed to assume the race of all related persons was the same as the respondent unless otherwise learned. The race categories were "White", "Black" or "Other". If the appropriate category could not be marked by observation, then race was asked. Interviewers were instructed to record persons who responded with something other than White or Black, such as Japanese, Chinese, American Indian, Korean, Hindu, Eskimo, etc. as "Other"; and to include Mexicans, Puerto Ricans and other persons of Latin American descent in "White" unless definitely Black, American Indian, or of other nonwhite race.

DETAILED NOTES

Tape Positions 57-58 and 257-258

United States

<u>Name of Place</u>	<u>Code</u>
Alabama	01
Alaska	02
Arizona	04
Arkansas	05
California	06
Colorado	08
Connecticut	09
Delaware	10
District of Columbia	11
Florida	12
Georgia	13
Hawaii	15
Idaho	16
Illinois	17
Indiana	18
Iowa	19
Kansas	20
Kentucky	21
Louisiana	22
Maine	23
Maryland	24
Massachusetts	25
Michigan	26
Minnesota	27
Mississippi	28
Missouri	29
Montana	30
Nebraska	31
Nevada	32
New Hampshire	33
New Jersey	34
New Mexico	35
New York	36
North Carolina	37
North Dakota	38
Ohio	39
Oklahoma	40
Oregon	41
Pennsylvania	42
Rhode Island	44
South Carolina	45
South Dakota	46
Tennessee	47
Texas	48
Utah	49
Vermont	50
Virginia	51
Washington	53
West Virginia	54
Wisconsin	55
Wyoming	56

DETAILED NOTES

Tape Positions 57-58 and 257-258 (cont.)

Outlying Areas of the United States

<u>Name of Place</u>	<u>Code</u>	<u>Description</u>
American Samoa	60	U.S. territory in the Pacific
Canal Zone	61	Territory in Panama leased by U.S.
Canton and Enderbury Islands	62	Under common US-UK administration
Guam	66	U.S. territory in the Pacific
Johnston Atoll		U.S. territory in the Pacific, includes Sand Island
Midway Islands	71	U.S. territory in the Pacific
Puerto Rico	72	Commonwealth associated with the U.S.
Swan Islands	74	U.S. territory in the Caribbean
Trust Territories of the Pacific Islands	75	U.S. administered, includes Caroline, Mariana, and Marshall Island groups
U.S. Miscellaneous Caribbean Islands	76	Includes Navassa Islands, Quito Sueno Bank, Roncador Cay, Serrana Bank, Serranilla Bank
U.S. Miscellaneous Pacific Islands	77	Includes Kingman Reef, Howland, Baker and Jarvis Islands, Palmyra Atoll
Virgin Islands	78	U.S. territory in the Caribbean
Wake Island	79	U.S. territory in the Pacific

Foreign Countries

North America	91
South America	92
Europe	93
Africa	94
Asia	95
Australasia	96
Pacific Islands	97

DETAILED NOTES

TAPE POSITIONS 73-75, 76-78, 273-275 and 276-278

Industry and Occupation Codes

A person's occupation may be defined as his principal job or business. For this survey purpose, the principal job or business of a respondent is defined in one of the following ways: If the person worked during the two week interview period or had a job or business, the question concerning his occupation (or work) applies to his job during that period. If the respondent held more than one job, the question is directed to the one at which he spent the most time. It refers to the one he considers most important when equal time is spent at each job. A person who has not begun work at a new job, is looking for work, or is on layoff from work is questioned about his last full-time civilian job. A full-time job is defined as one at which the person spent 35 or more hours per week and which lasted two consecutive weeks or more. A person who has a job to which he has not yet reported and has never had a previous job or business is classified as a "new worker".

The 1970 census of population Alphabetical Index of Industries and Occupations was used in the coding of both the industry and occupation. Library of Congress Number 74-612012. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. \$3.00. Stock Number 0301-2283.

DETAILED NOTES  
TAPE POSITIONS 107-108

Family Income Group

The respondent was handed a card with twelve income ranges listed as Group A to Group L and asked "Which of these income groups represents your total combined family income for the past 12 months, that is, yours, your ...'s, etc? Include income from all sources such as wages, salaries, social security or retirement benefits, help from relatives, rent from property and so forth."

If the respondent answered Group A through G, that is with an income less than \$7,000, then questions 21 and 22 detailing exact sources and amounts of income were asked; otherwise, these questions were skipped.

No effort was made to reconcile amounts reported in detailed questions 21 and 22 with the categorical response to the family income group question. During the survey time period, no adjustments to the income groups or \$7,000 value were made to account for inflation.

DETAILED NOTES

TAPE POSITION 207

Land used for farming purposes (Code 1 in Tape Position 207) was identified as being rural land (Code 2 in Tape Position 25) consisting of 10 or more acres (Code 1 in Tape Position 26) with crop sales amounting to \$50 or more (Code 1 in Tape Position 27), or rural land (Code 2 in Tape Position 25) consisting of less than 10 acres (Code 2 in Tape Position 26) with crop sales amounting to \$250 or more (Code 1 in Tape Position 28). All other land is classified as nonfarm (Code 2 in Tape Position 207).

DETAILED NOTES  
TAPE POSITION 209

Region

The United States was divided into four broad geographic regions of approximately equal population. Those regions, which deviate somewhat from the groups used by the Bureau of Census, are as follows:

<u>Region</u>	<u>States Included</u>
Northeast	Maine, Vermont, New Hampshire, Massachusetts, Connecticut, Rhode Island, New York, New Jersey, and Pennsylvania
South	Delaware, Maryland, District of Columbia, West Virginia, Virginia, Kentucky, Tennessee, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, and Arkansas
Midwest	Ohio, Illinois, Indiana, Michigan, Wisconsin, Minnesota, Iowa, Missouri
West	Washington, Oregon, California, Nevada, New Mexico, Arizona, Texas, Oklahoma, Kansas, Nebraska, North Dakota, South Dakota, Idaho, Utah, Colorado, Montana, Wyoming, Alaska, Hawaii



DETAILED NOTES  
TAPE POSITIONS 210-212

Poverty Index

Income status was determined by the Poverty Income Ratio (PIR). Poverty statistics published in the Census Bureau reports 1-5 were based on the poverty index developed by the Social Security Administration (SSA) in 1964. (For a detailed discussion of the SSA poverty standards, see reference 6.) Modifications in the definition of poverty were adopted in 1969. 7 The standard data series in poverty for statistical use by all executive departments and establishments has been established. 8

The two components of the PIR are the total income of the household (numerator: the median of the income group for incomes \$7,000 and above; the sum of the component parts of the income questions for incomes under \$7,000) and a multiple of the total income necessary to maintain a family with given characteristics on a nutritionally adequate food plan 3 (denominator). The dollar value of the denominator of the PIR is constructed from a food plan (economy plan) necessary to maintain minimum recommended daily nutritional requirements. The economy plan is designated by the Department of Agriculture for "emergency or temporary use when funds are low."

For families of three or more persons, the poverty level was set at three times the cost of the economy food plan. For smaller families and persons living alone, the cost of the economy food plan was adjusted by the relatively higher fixed expenses of these smaller households.

The denominator or poverty income cutoff adjusts the family poverty income maintenance requirements by the family size, the sex of the family head, the age of the family head in families with one or two members, and the place of residence (farm, nonfarm). Annual revisions of the poverty income cutoffs are based on the changes in the average cost of living as reflected in the Consumer Price Index.

As shown in the tables, the annual income considered to be the poverty level increases as the family size increases. A family with any combination of characteristics and with the same income as shown in the table has been designated as having a PIR or poverty level of 1.0. The same family with twice the income found in the table would have a PIR of 2.0. Ratios of less than 1.0 can be described as "below poverty", ratios greater than or equal to 1.0, as "at or above poverty".

Poverty thresholds are computed on a national basis only. No attempt has been made to adjust these thresholds for regional, State, or other

variations in the cost of living (except for the farm, nonfarm difference). None of the noncash public welfare benefits such as food stamp bonuses are included in the income of the low income families receiving these benefits. PIR has been adjusted by year (see tables) and accounts in some part for inflation.

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<sup>1</sup> U.S. Bureau of the Census, Current Population Reports, Series P-60, No. 107, "Money Income and Poverty Status of Families and Persons in the United States: 1976" (Advance Report) U.S. Government Printing Office, Washington, D.C., 1977.

<sup>2</sup> U.S. Bureau of the Census, Current Population Reports, Series P-60, No. 116, "Money Income and Poverty Status of Families and Persons in the United States: 1977" (Advance Report) U.S. Government Printing Office, Washington, D.C., 1978.

<sup>3</sup> U.S. Bureau of the Census, Current Population Reports, Series P-60, No. 120, "Money Income and Poverty Status of Families and Persons in the United States: 1978" (Advance Report), U.S. Government Printing Office, Washington, D.C., 1979.

<sup>4</sup> U.S. Bureau of the Census, Current Population Reports, Series P-60, No. 125, "Money Income and Poverty Status of Families and Persons in the United States: 1979" (Advance Report), U.S. Government Printing Office, Washington, D.C., 1980.

- 5 U.S. Bureau of the Census, Current Population Reports, Series P-60, No. 127, "Money Income and Poverty Status of Families and Persons in the United States: 1980" (Advance Data from the March 1981 Current Population Survey), U.S. Government Printing Office, Washington, D.C., 1981.
- 6 Orshansky, M.: "Counting the Poor: Another Look at the Poverty Profile", Social Security Bulletin, January 1965; "Who's Who Among the Poor: A demographic View of Poverty", Social Security Bulletin, July 1965.
- 7 U.S. Bureau of the Census, Current Population Reports, Series P-23, No. 28, "Special Studies", U.S. Government Printing Office, Washington, D.C., August 12, 1969.
- 8 Circular No. A-46, Transmitted Memorandum No. 9, Executive Office of the President, Bureau of the Budget, August 29, 1969, and Exhibit L (rev.).

Table 15. WEIGHTED AVERAGE THRESHOLDS—POVERTY CUTOFFS IN 1976, BY SIZE OF FAMILY AND SEX OF HEAD, BY FARM-NONFARM RESIDENCE

SIZE OF FAMILY UNIT	TOTAL (DOLLARS)	NONFARM			FARM		
		TOTAL (DOLLARS)	MALE HEAD (DOLLARS)	FEMALE HEAD (DOLLARS)	TOTAL (DOLLARS)	MALE HEAD (DOLLARS)	FEMALE HEAD (DOLLARS)
1 PERSON (UNRELATED INDIVIDUAL) . . . . .	2 877	2 884	3 016	2 788	2 438	2 532	2 348
14 TO 64 YEARS . . . . .	2 954	2 959	3 059	2 840	2 542	2 608	2 413
65 YEARS AND OVER . . . . .	2 720	2 730	2 758	2 722	2 322	2 344	2 313
2 PERSONS . . . . .	3 688	3 711	3 721	3 660	3 128	3 133	3 033
HEAD 14 TO 64 YEARS . . . . .	3 806	3 826	3 846	3 733	3 267	3 271	3 159
HEAD 65 YEARS AND OVER . . . . .	3 817	3 845	3 847	3 428	2 928	2 928	2 922
3 PERSONS . . . . .	4 515	4 540	4 565	4 414	3 858	3 864	3 734
4 PERSONS . . . . .	5 786	5 815	5 818	5 790	4 950	4 953	4 840
5 PERSONS . . . . .	6 858	6 876	6 884	6 799	5 870	5 871	5 847
6 PERSONS . . . . .	7 708	7 760	7 766	7 709	6 585	6 584	6 607
7 PERSONS OR MORE . . . . .	9 503	9 588	9 622	9 375	8 072	8 068	8 428

Table 15. WEIGHTED AVERAGE THRESHOLDS—POVERTY CUTOFFS IN 1977, BY SIZE OF FAMILY AND SEX OF HEAD, BY FARM-NONFARM RESIDENCE

SIZE OF FAMILY UNIT	TOTAL (DOLLARS)	NONFARM			FARM		
		TOTAL (DOLLARS)	MALE HEAD (DOLLARS)	FEMALE HEAD (DOLLARS)	TOTAL (DOLLARS)	MALE HEAD (DOLLARS)	FEMALE HEAD (DOLLARS)
1 PERSON (UNRELATED INDIVIDUAL) . . . . .	3 067	3 075	3 214	2 989	2 588	2 672	2 498
14 TO 64 YEARS . . . . .	3 147	3 152	3 267	3 023	2 709	2 776	2 569
65 YEARS AND OVER . . . . .	2 895	2 906	2 936	2 898	2 475	2 495	2 563
2 PERSONS . . . . .	3 928	3 951	3 961	3 907	3 318	3 325	3 176
HEAD 14 TO 64 YEARS . . . . .	4 054	4 072	4 095	3 981	3 466	3 474	3 278
HEAD 65 YEARS AND OVER . . . . .	3 637	3 660	3 670	3 646	3 128	3 131	3 079
3 PERSONS . . . . .	4 806	4 833	4 860	4 708	4 093	4 110	3 893
4 PERSONS . . . . .	6 157	6 191	6 195	6 162	5 273	5 274	5 213
5 PERSONS . . . . .	7 279	7 320	7 329	7 238	6 247	6 247	6 237
6 PERSONS . . . . .	8 208	8 261	8 268	8 197	7 026	7 026	7 040
7 PERSONS OR MORE . . . . .	10 137	10 216	10 249	9 995	8 708	8 706	8 738

Table A-1. Weighted Average Thresholds at the Poverty Level in 1978, by Size of Family and Sex of Head, by Farm-Nonfarm Residence

Size of family unit	Total	Nonfarm			Farm		
		Total	Male head <sup>1</sup>	Female head <sup>1</sup>	Total	Male head <sup>1</sup>	Female head <sup>1</sup>
1 person (unrelated individual)	\$3,302	\$3,311	\$3,460	\$3,196	\$2,795	\$2,898	\$2,690
14 to 64 years . . . . .	3,386	3,392	3,516	3,253	2,913	2,987	2,764
65 years and over . . . . .	3,116	3,127	3,159	3,118	2,661	2,685	2,650
2 persons . . . . .	4,225	4,249	4,258	4,206	3,578	3,582	3,497
Head 14 to 64 years . . . . .	4,363	4,383	4,407	4,286	3,731	3,737	3,614
Head 65 years and over . . . . .	3,917	3,944	3,948	3,923	3,352	3,354	3,313
3 persons . . . . .	5,178	5,201	5,231	5,065	4,413	4,430	4,216
4 persons . . . . .	6,628	6,662	6,665	6,632	5,681	5,683	5,622
5 persons . . . . .	7,833	7,880	7,888	7,806	6,714	6,714	6,700
6 persons . . . . .	8,825	8,891	8,895	8,852	7,541	7,543	7,462
7 persons or more . . . . .	10,926	11,002	11,038	10,765	9,373	9,386	8,813

<sup>1</sup>For one person (i.e., unrelated individual), sex of the individual.

Table 17. Weighted Average Thresholds—Poverty Cutoffs in 1979, by Size and Type of Family, by Farm-Nonfarm Residence

SIZE OF FAMILY UNIT	NONFARM				FARM		
	TOTAL (DOLLARS)	TOTAL (DOLLARS)	FAMILIES WITH FEMALE HMLDR, NO HUSBAND PRESENT <sup>1</sup> (DOLLARS)	ALL OTHER FAMILIES <sup>2</sup> (DOLLARS)	TOTAL (DOLLARS)	FAMILIES WITH FEMALE HMLDR, NO HUSBAND PRESENT <sup>1</sup> (DOLLARS)	ALL OTHER FAMILIES <sup>2</sup> (DOLLARS)
1 PERSON (UNRELATED INDIVIDUAL) . . . . .	3 683	3 689	3 556	3 855	3 138	3 001	3 236
15 TO 64 YEARS . . . . .	3 773	3 778	3 619	3 912	3 254	3 076	3 324
65 YEARS AND OVER . . . . .	3 472	3 479	3 469	3 515	2 963	2 948	2 988
2 PERSONS . . . . .	4 702	4 725	4 669	4 737	3 987	3 917	3 991
HOUSEHOLDER 15 TO 64 YEARS . . . . .	4 858	4 878	4 762	4 905	4 156	4 027	4 163
HOUSEHOLDER 65 YEARS AND OVER . . . . .	4 364	4 390	4 362	4 394	3 730	3 686	3 732
3 PERSONS . . . . .	5 763	5 784	5 624	5 820	4 917	4 680	4 928
4 PERSONS . . . . .	7 386	7 412	7 381	7 416	6 329	6 261	6 332
5 PERSONS . . . . .	8 736	8 775	8 690	8 785	7 492	7 509	7 492
6 PERSONS . . . . .	9 849	9 914	9 843	9 922	8 424	8 309	8 428
7 PERSONS OR MORE . . . . .	12 212	12 280	12 037	12 322	10 833	10 178	10 847

<sup>1</sup>INCLUDES FEMALE UNRELATED INDIVIDUALS.  
<sup>2</sup>INCLUDES MALE UNRELATED INDIVIDUALS.

Table 17. Weighted Average Thresholds—Poverty Cutoffs in 1980, by Size and Type of Family and Farm-Nonfarm Residence

SIZE OF FAMILY UNIT	NONFARM				FARM		
	TOTAL (DOLLARS)	TOTAL (DOLLARS)	FAMILIES WITH FEMALE HMLDR, NO HUSBAND PRESENT <sup>1</sup> (DOLLARS)	ALL OTHER FAMILIES <sup>2</sup> (DOLLARS)	TOTAL (DOLLARS)	FAMILIES WITH FEMALE HMLDR, NO HUSBAND PRESENT <sup>1</sup> (DOLLARS)	ALL OTHER FAMILIES <sup>2</sup> (DOLLARS)
1 PERSON (UNRELATED INDIVIDUAL) . . . . .	4 184	4 190	4 037	4 379	3 538	3 392	3 680
15 TO 64 YEARS . . . . .	4 286	4 290	4 109	4 441	3 493	3 492	3 773
65 YEARS AND OVER . . . . .	3 961	3 949	3 958	3 990	3 359	3 347	3 392
2 PERSONS . . . . .	5 338	5 363	5 316	5 373	4 502	4 502	4 513
HOUSEHOLDER 15 TO 64 YEARS . . . . .	5 518	5 537	5 415	5 568	4 714	4 497	4 721
HOUSEHOLDER 65 YEARS AND OVER . . . . .	4 994	4 983	4 946	4 988	4 233	4 185	4 237
3 PERSONS . . . . .	6 939	6 945	6 386	6 608	5 573	5 271	5 587
4 PERSONS . . . . .	8 385	8 414	8 362	8 418	7 170	7 152	7 170
5 PERSONS . . . . .	9 923	9 966	9 878	9 976	8 472	8 373	8 474
6 PERSONS . . . . .	11 215	11 269	11 227	11 274	9 613	9 168	9 625
7 PERSONS OR MORE . . . . .	13 883	13 945	13 767	13 986	11 915	12 133	11 889

<sup>1</sup>INCLUDES FEMALE UNRELATED INDIVIDUALS.  
<sup>2</sup>INCLUDES MALE UNRELATED INDIVIDUALS.

## Detailed Notes

### Tape Positions 282-323

A multistage estimation procedure was used to calculate the various NHANES II subsample sample weights that are necessary to use in any analysis of the data. The procedure has three basic components: (1) inflation by reciprocals of the probabilities of selection, (2) adjustment for nonresponse, and (3) poststratification ratio adjustment by age-sex-race. A brief description of each component is as follows:

Inflation by reciprocals of the sampling probabilities. Since the survey utilized a three-stage sample design, there were three probabilities of selection: (1) the probability of selecting the PSU, (2) the probability of selecting a segment (housing unit), and (3) the probability of selecting a sample person.

Adjustment for nonresponse. Estimates from the NHANES II data were adjusted to account for sample persons who were not examined. The estimates were inflated by a multiplication factor calculated within five selected income groups, three age groups, four regions, and standard metropolitan statistical area (SMSA) or non-SMSA. The numerator of these factors was the sum of the weights for sample persons resulting from the reciprocal of the probability of selection, and the denominator was the sum of the weights for examined persons also resulting from the reciprocals of the sampling probabilities.

Poststratification by age-sex-race. The estimates were ratio adjusted within each of 76 age-sex-race cells to an independent estimate, provided by the U.S. Bureau of the Census, of the population of each cell as of March 1, 1978, (approximate mid-point of the survey). The ratio adjustment was a multiplication factor of which the numerator was the U.S. population and the denominator was the sum of the weights adjusted for nonresponse for examined persons. This ratio estimation process makes the sample more closely representative of the civilian, noninstitutionalized population of the U.S.

Potential bias of nonresponse. Usually a sizeable number of sample persons who initially are willing to complete the household information and some of the medical history questionnaire subsequently will not participate in the examination. This creates the potential for bias if these persons differ from other sample persons with respect to the variables being studied. Intense efforts were undertaken during NHANES II to develop and implement standard procedures and inducements that would reduce the number of nonrespondents and thereby reduce the potential for bias.

The user needs to be aware of and should explore the potential bias for nonresponse in any analysis of the NHANES II data.



Detailed Notes

Tape Position 366

In NHANES II, 230 sample persons had unsatisfactory 24-hour recalls. For each of these persons, a satisfactory 24-hour recall for a person from a similar age-sex-race category was substituted so that the data tape is complete for all data items related to the recall. Each data record that was created in this manner has a code of "1" in column 366 of the data tape. This resulted in 3,829 food items of imputed 24-hour recall data for these 230 persons.

DETAILED NOTES

TAPE POSITIONS 369-370

NHANES II FOOD GROUPS

CONTENTS

- |                           |  |
|---------------------------|--|
| 1. MILK & MILK PRODUCTS   | Includes: milk drunk as a beverage or used on cereal; flavored milk drinks; cocoa made with milk; skim milk, yogurt, ice milk; ice cream and puddings made with milk; cheese and cheese dishes.<br>EXCEPTION: cream cheese |
| 2. MEAT                   | Includes: beef, pork, lamb, veal, luncheon meats, canned meats   |
| 3. POULTRY                | Includes: chicken, turkey, duck, game birds, cornish hen   |
| 4. ORGAN MEATS            | Includes: liver, kidney, heart, spleen, tripe, etc.  |
| 5. FISH & SHELLFISH       | Includes: all varieties of fish and shellfish, fresh, canned, frozen, dried or salted  |
| 6. EGGS                   | Includes: eggs eaten, i.e., fried, boiled, poached, deviled, or egg salad. DOES NOT INCLUDE EGGS USED IN COOKED OR BAKED DISHES  |
| 7. SOUPS, SAUCES, GRAVIES | Includes: milk and water based soups, condensed, and diluted; gravies and sauces both meat and vegetable based   |
| 8. FATS & OILS            | Includes: butter, margarine, oils, salad dressings, bacon, cream, cream cheese, peanut butter, nondairy creamers, olives   |
| 9. LEGUMES, NUTS, SEEDS   | Includes: cooked beans and peas previously dried such as: pinto, red, black-eyed, great northern, lentils, etc.; peanuts, soybeans and soy products, textured vegetable protein products, nuts and seeds                   |

- |                                      |   |
|--------------------------------------|---|
| 10. CEREAL AND GRAIN PRODUCTS        | Includes: breakfast cereals, dry or cooked; grain products such as bread, rolls, biscuits, muffins, crackers, unsalted snack foods; rice; pasta                   |
| 11. FRUITS, VEGETABLES AND JUICES    | Includes: all kinds: fresh, canned, frozen, cooked, juices and fruit drinks<br>Fruits and vegetables rich in Vitamin A<br>Fruits and vegetables rich in Vitamin C |
| 12. SUGAR & PRIMARILY SUGAR PRODUCTS | Includes: Ices, candy, carbonated beverages, drinks prepared with sugar; sugar, honey, jam, jellies, icings, syrups, fruitades                                    |
| 13. DESSERTS                         | Includes: cake, pie, cookies, fruit puddings, non-protein gelatin desserts, doughnuts, sherbets, sweet snacks.<br>EXCEPTIONS: ice cream, ice milk                 |
| 14. MISCELLANEOUS                    | Includes: dry beverage powders, mustard, gelatin, dry malt, low calorie salad dressings   |
| 15. MIXED DISHES                     | Includes: casseroles, pot pies, pizza, pasta dishes, etc. The primary ingredient is protein in the form of meat, poultry, fish or eggs                            |
| 16. ALCOHOLIC BEVERAGES              | Includes: beer, wine and distilled liquors  |
| 17. LOW CALORIE BEVERAGES            | Includes: coffee, tea, decaffeinated beverages, bouillons, consommé and low calorie carbonated beverages  |
| 18. SALTY SNACKS                     | Includes: potato chips, corn chips, puffed salty snacks, cheese snacks, salted pretzels or popcorn, etc.  |

DETAILED NOTES

TAPE POSITIONS 371-375

DATA SOURCES FOR CODE SERIES - NHANES II (1976-1980)

CODES

SOURCES

0-02483 Department of Agriculture's 456-3 data tape consists of two data sets. The NHANES Model Gram Tape includes both data sets 456-1: Food names and identification numbers (codes) and 456-2: Food Composition data. The 456-3 tape is the expansion of data published in Nutritive Values of American Foods in Common Units (CFE Adm.) 338, May 1977, USDA, APS, CFEI, Hyattsville, Maryland.

05000 Tulane Dietant Listing - Tulane University, New Orleans, La., 1969. 6000 series refers to school lunch codes.

06000

08000 Hawaiian Foods

Circular 52 - Nutritive Values of Some Hawaiian Foods in Household Units and Common Measures. C.D. Miller and B. Branthoover - Public Health Nutrition, Department of Public Health Sciences, University of Hawaii, School of Public Health, June 1957

Food Composition Table for Use in East Asia  
USDHEW Publication no. (NIH) 79-456, Dec. 1972

Research Bulletin 146 - Fatty Acids, Cholesterol, and Proximate Composition of Certain Prepared and Unprepared Foods in Hawaii. B.R. Standel, D.R. Bassett, P.B. Policar, and M. Thom. Hawaii Agricultural Experimental Station, University of Hawaii, May 1975

30000 Continental Baking Company - codes placed on tape during 1970-71.

35000 Confidential information - USDA. Codes placed on tape during 1971.

40000 Baker-Beechnut Baby Food Corporation. Codes placed on tape in 1975.

41000 Gerber Baby Food Company. Codes placed on tape in 1975.

72000 Nutritive Values of Foods - Home and Garden Bulletin 72, USDA, 1970; slightly revised edition - 1971.

85000 Food Values of Portions Commonly Used; Bowes & Church, 11th edition, 1970; 12th edition, 1975.

90000 Commercial codes used in NHANES I, 1971-74.  
91000- Commercial codes used in NHANES II, 1976-1980.  
94000

#### IV. APPENDIX

##### Data Collection Techniques and Content

The plan developed with respect to the content of NHANES II called for the following:

A. Questionnaires completed in the household:

(1) Household questionnaire: For each household member, questions referred to family relationships; certain demographic items such as age, sex, and race; selected housing information; occupation, income, education, veteran status; and an indication of participation in food stamp programs.

(2) Medical history questionnaires:

(a) For each sample person ages 6 months-11 years

The questionnaire included items on birth weight, prematurity, congenital conditions, medication, neurological conditions, lead poisoning, accidents, hospital care, disability, diarrhea, pica, vision, and a variety of chronic conditions. In addition, data were collected on allergies, kidney and bladder disease, anemia, speech and hearing, lung and chest conditions and participation in food programs.

(b) For each sample person ages 12-74 years

The questionnaire included items on medication; hospital care, tuberculosis; a variety of acute and chronic diseases; tobacco usage, physical activity; weight; height; vision disability, exposure to pesticides; gastrointestinal

problems; and for females, a menstrual and pregnancy history. In addition, data were collected on anemia, diabetes, respiratory condition, hearing and speech, liver and gallbladder conditions, kidney and bladder disease, allergies, hypertension, cardiovascular conditions, stroke, arthritis (stressing middle and upper back and neck problems), and participation in food programs.

Questionnaires and tests administered in the mobile examination center:

(3) Dietary Questionnaires

- (a) For each examined person, a 24-Hour Recall was administered by trained dietary interviewers. Specific and quantitative detail of every food or drink consumed during the previous day was recorded and calculated, thus providing estimates of calories, protein, carbohydrates, fat, unsaturated fats, cholesterol, and specific vitamins and minerals consumed.
- (b) For each examined person, a Food Frequency interview was administered to ascertain usual patterns of food consumption. Daily and/or weekly consumption of foods within 26 subgroups were recorded. In addition, data were collected on usual vitamin-mineral supplement usage.
- (c) For each person ages 12-74 years, a Dietary Supplement form was self-administered and reviewed. This form provided information on special diets, recent medications and barriers to purchasing groceries or eating foods; it does not provide information on vitamin/mineral or other supplements to the diet.

- (4) Medication/Vitamin Usage Form provided information on the past week's usage of any medicines; vitamins or minerals for all examined persons.
- (5) Behavior Questionnaire elicited data on behavior which may be associated with coronary heart disease for examined persons ages 25-74.

B. Examination by physician

A physician performed and recorded the results of a medical examination giving special attention to specified findings related to nutrition, to hearing, to the thyroid gland, and to the cardiovascular, respiratory, neurological and musculoskeletal systems.

C. Special clinical procedures and tests

A specially trained health technician carried out the following on examined persons in the designated age ranges:

1. Spirometry trials of examined persons ages 6-24 years, were digitized and recorded on magnetic tape. Various pulmonary function indicators such as FVC (forced vital capacity), FEV<sub>1</sub> (forced expiratory volume in one second), and peak flow rate were subsequently derived from these data.
2. Electrocardiograms Electrocardiographic signals of examined persons ages 25-74 years were digitized and recorded on magnetic tape providing normative data of amplitude, duration, interval and axis measurements and permitting interpretations of heart disease according to the Minnesota classification code.



3. Body Measurements were made on all examinees and included standing height, body weight, triceps and subscapular skinfolds, and several other anthropometric measurements.
4. Puretone audiometry Tests were carried out on examined persons between the ages of 4 and 19 years, permitting determination of threshold levels of hearing for frequencies of 500, 1000, 2000, and 4000 Hertz for right and left ears.
5. Speech recording, involving use of tape recording of the subject's repetition of specially developed sentences, was carried out on examined persons between the ages of 4 and 6 years, permitting interpretations as an indication of problems with articulation and language development.
6. Allergy tests, involving skin tests (prick test) with eight common allergens (housedust, alternaria, cat fur, dog fur, ragweed, oak, rye grass, and Bermuda grass). The tests were made on examined persons between the ages of 6 and 74 years, to obtain degrees of skin reaction.

D. X-rays

For examined persons ages 25-74 years, two x-rays were made. No x-rays were taken of pregnant women and no lumbar x-rays were taken on women under 50 years of age.

- (1) X-ray of cervical and lumbar spine, were taken to provide evidence of osteoarthritis and degenerative disc disease, and

- (2) X-ray of chest, to be used in the diagnosis of respiratory diseases and to serve as a measure of left ventricular enlargement.

E. Urine tests

Tests as follows were performed on casual samples of urine:

- (1) N-Multistix tests for qualitative protein, glucose, ketones, bilirubin, blood, urobilinogen, pH, and bacteriuria (nitrite test) were done for examined persons ages 6-74 years.
- (2) Urinary sediments, including red cells, white cells, and casts, were measured for a subsample of examined adults ages 20-74 years.
- (3) Gonorrhea cultures, of urinary sediments were performed for male and female examined persons ages 12-40 years. However, of those females who received the Glucose Tolerance Test (GTT) only those ages 20-24 years had the gonorrhea test performed.
- (4) Analyses for pesticide residue and metabolite levels, were carried out on a subsample of examined persons ages 12-74 years, including measures of the body burdens from exposure to alkyl phosphate residues and metabolites, carbamate residues, phenolic compound residues and malathion metabolites.

F. Tests on blood samples

Samples of blood provide a broad range of information related to health and nutrition. The particular tests performed varied with the specific target condition and age group as described in the Series 1, No. 15 program description (page 39).

(1) Glucose tolerance test (GTT)

This test involved collection of blood specimens while in a fasting state as well as at one and two hours after glucose challenge. The test was performed on a specified subsample of examined adults to provide estimates of the prevalence of diabetes.

(2) Tests related to liver function

(a) Post-prandial liver bile acid test. This test measures the ability of the liver to remove bile acids from the blood following consumption of a food preparation which induces eventual addition of bile acids to the blood via contraction of the gallbladder.

(b) Liver biochemistries performed include bilirubin, SGOT, and alkaline phosphatase tests.

(3) Anemia-related laboratory tests

The tests made to characterize anemia consisted of protoporphyrin, iron, total iron binding capacity (TIBC), zinc, copper, red cell folates, serum folates, serum ferritin, B<sub>12</sub>, and the determination of abnormal hemoglobin.

(4) Other nutritional biochemistries

These tests include albumin, Vitamin A and Vitamin C.

(5) Serum lipids

Because of their important relevance to cardiovascular disease, determinations were made of cholesterol, triglycerides, and high density lipoprotein (HDL).

(6) Biochemistries for body burden from environmental exposures

Determinations were made of body burden levels of lead and pesticide residues and metabolites. Tests were also performed for carboxyhemoglobin which reflects environmental exposure to carbon monoxide and the individual's smoking habits.

(7) Hematology

The hematology included determinations of hemoglobin, hematocrit, red blood cell count, white blood cell count and differential leukocyte analysis, and red blood cell morphology and hemoglobin phenotyping.

(8) Kidney function

The only quantitative test for kidney function performed on blood samples was the serum creatinine test.

(9) Syphilis

The serology determinations for syphilis included qualitative and quantitative ART, a FTA-ABS and MHA-TP.