

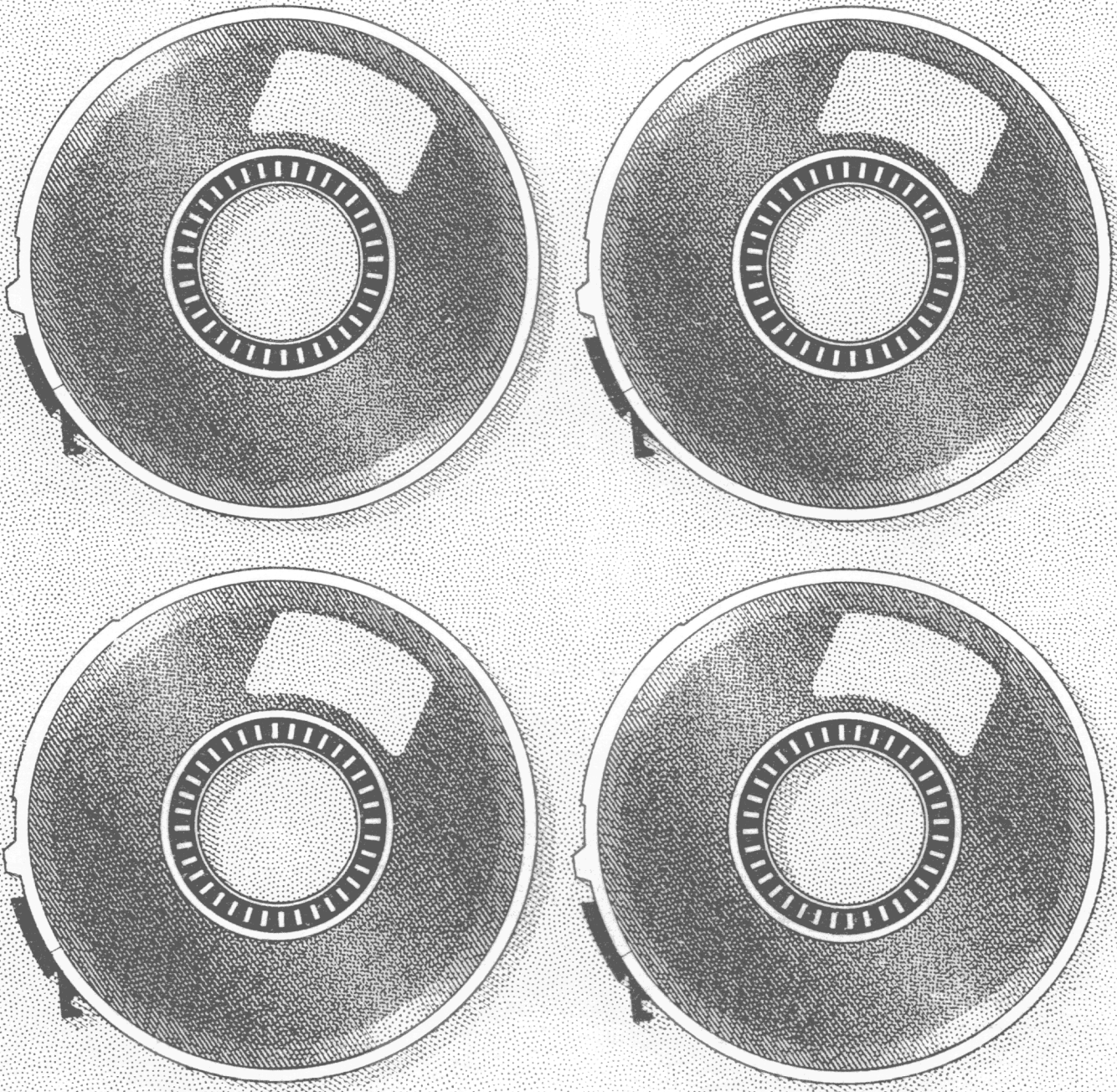
Public Use Data Tape Documentation



24-Hour Food Consumption Intake
Ages 1-74
Tape Number 4704

National Health and Nutrition Examination Survey, 1971-75

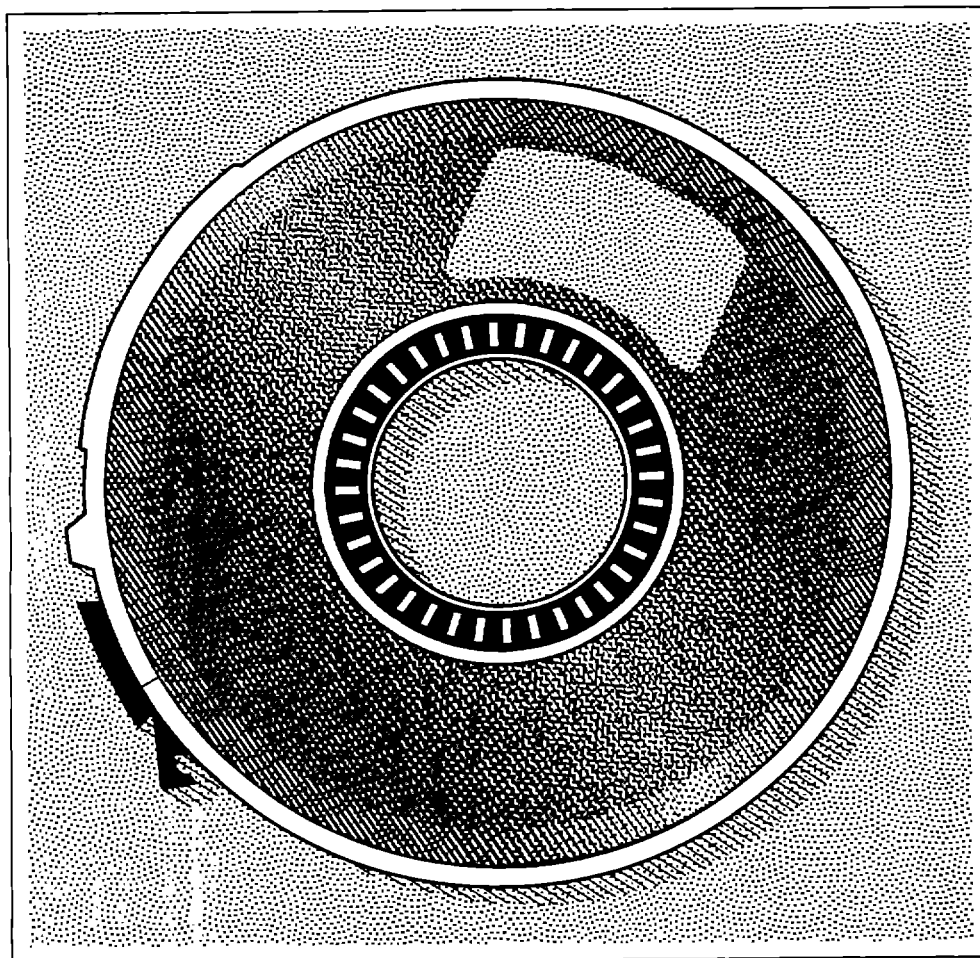
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES • Public Health Service • National Center for Health Statistics



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National Health and Nutrition Examination Survey, 1971-75



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

Hyattsville, Maryland
November 1985

The data compilation and documentation necessary to conform the 24-Hour Food Consumption Intake Tape to the specifications of the Health and Nutrition Examination Survey Data Tape Release program were done by Margaret Carroll, Connie Dresser, Dale Hitchcock, Everette Collins, Evelyn Stanton, and Rita Weinberger of the Division of Health Examination Statistics, National Center for Health Statistics. A special note of gratitude is due Eugene Sides who patiently typed and retyped this material.

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24-HOUR FOOD CONSUMPTION INTAKE TAPE

Health and Nutrition Examination Survey, HANES I, 1971-1975

Description of Survey: A detailed description of the design, content and operation of HANES I is provided in the following reports: Plan and Operation of the Health and Nutrition Examination Survey, DHEW Pub. No. (HSM) 73-1310, Series 1, Nos. 10a and 10b, Public Health Service, Washington, D. C., U. S. Government Printing Office, February 1973. Also provided is a draft report on the augmentation survey of adults describing the relevant field work conducted between July 1974 and October 1975.

Target Population: HANES I was conducted on a nationwide probability sample of approximately 32,000 persons, ages 1-74 years, from the civilian, noninstitutionalized population of the coterminous United States, excepting those persons residing on Indian reservations. The survey started in April 1971 and for many survey components was completed in June 1974. The HANES I sample was selected so that certain population groups thought to be at high risk of malnutrition (persons with low incomes, preschool children, women of childbearing age and the elderly) were oversampled at known rates. Adjusted sampling weights were then computed within 60 age, sex and race categories in order to inflate the sample in such a manner as to closely reflect the noninstitutionalized population, ages 1-74 years, of the United States at the midpoint of the survey.

Although the main emphasis of HANES I was on nutrition, a subset of those sample persons aged 25-74 received a more detailed health examination which was continued through October 1975. No particular oversampling of subgroups of the population was done in this subsample (e.g., women of childbearing age were not oversampled as they were for the major nutrition component of HANES I). This subsample is also representative of the United States population aged 25-74 during the time of HANES I.

After the nutrition survey was completed, the detailed examination given to the 25-74 age group was continued until the total number of examined persons was approximately double the number of examinees who received the detailed examination during the nutrition survey.

Data Collection: Information for all examined sample persons in HANES I was obtained by means of a household interview, a general medical history, a 24-hour dietary intake recall interview, a food frequency interview, a food program questionnaire, a general medical examination, dental, dermatological and ophthalmological examinations, anthropometric measurement, hand-wrist x-rays (of those ages 1-17 only) and 24 hematological, blood chemistry, and urological laboratory determinations.

In addition to the information received on all examined persons by means of the above questionnaires, procedures and measurements, the following data were gathered on the subsample of adults aged 25-74: a medical history supplement; supplementary questionnaires concerning arthritis, respiratory and cardiovascular conditions (when applicable);

a health care needs questionnaire; a general well-being questionnaire; an extended medical examination; x-rays of the chest and hip and knee joints; audiometry, electrocardiography; goniometry; spirometry; pulmonary diffusion and tuberculin tests; along with additional laboratory determinations.

Use of HANES Data

With the goal of mutual benefit, NCHS requests the cooperation of recipients of data tapes in certain actions related to their use:

- A. Any published material derived from the data should acknowledge the National Center for Health Statistics as the original source. It should also include a disclaimer which credits any analyses, interpretations, or conclusions reached to the author (recipient of the tape) and not to NCHS, which is responsible only for the initial data.
- B. Consumers who wish to publish a technical description of the data will 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.

Errors in the Data Sets and Survey Differences

The data users' tapes have been subjected to a great deal of careful editing. However, due to the large volume of data in the series, it is likely that a small number of errors or discrepancies remain undetected. We would appreciate if any such errors are detected that they be brought to our attention so that new corrected copies of the tape can be created and errata sheets issued to previous purchasers.

Some of the continuous data items have extremely high or low values and we have verified that they do in fact appear that way on the hard documents; that is, we have verified that the values have not been incorrectly keyed.

In general, we have not attempted to resolve any differences that may exist between estimates derived from the various subsamples of HANES I. Nor have we made any comparisons between estimates from HANES I and previous surveys conducted by the Division of Health Examination Statistics.

Variance Estimation

Because the Health and Nutrition Examination Survey is based upon a complex sample design, the assumptions of many statistical tests and routinely available statistical programs are not met. For this reason, when estimates of the variances of statistics from HANES are computed, the technique of estimation must be based upon complex sampling theory. In order to provide the user with the capability of estimating the complex sample variances, we have provided Strata and Primary Sampling Unit (PSU) codes on the HANES user tapes in tape positions 194-198. However, these codes are suitable for making variance estimates only for examination locations 1-65 and 1-100. To compute variance estimates for examination locations 1-35 or 66-100, it is necessary to recode the current Strata-PSU codes according to the specifications that follow. The resultant recoded Strata-PSU codes should be used only for locations 1-35 and 66-100.

One computer program that should be widely available sometime around the summer of 1978 as part of the Statistical Analysis System (available from the SAS Institute, Inc., Post Office Box 10066, Raleigh, North Carolina 27605) is capable of using the Strata-PSU codes provided for HANES to compute complex sample variances. Other programs may also be available.

In those Strata, referred to as certainty or self-representing Strata, the PSU codes are actually the segment numbers. Neither the Strata codes nor the PSU codes are the original codes used in the formation of the HANES sample design, but are none-the-less a unique recoding of the original codes. For further discussion of the sample design of HANES, the user should consult the publications of the National Center for Health Statistics-- Series 1-Nos. 10a and 14 and the detailed note for tape positions 158-193.

Recode Specifications for Strata-PSU Codes

First.--Create a file with only those records in the file for examination locations 1-35.*

Second.--Retain the original Strata-PSU codes in Strata 7-10 and 13 in the original form as the recoded Strata-PSU codes.

Third.--Recode the remaining strata according to the chart below.

Fourth.--Repeat the process for examination locations 66-100.*

| Old Strata # (tape positions 194-195) | New Strata # | New PSU # |
|--|--------------|-----------|
| 01 | 01 | 001 |
| 02 | 01 | 002 |
| 03 | 03 | 001 |
| 06 | 03 | 002 |
| 04 | 04 | 001 |
| 05 | 04 | 002 |
| 11 | 11 | 001 |
| 12 | 11 | 002 |
| 14 | 14 | 001 |
| 21 | 14 | 002 |
| 15 | 15 | 001 |
| 16 | 15 | 002 |
| 17 | 17 | 001 |
| 20 | 17 | 002 |
| 18 | 18 | 001 |
| 19 | 18 | 002 |
| 22 | 22 | 001 |
| 25 | 22 | 002 |
| 23 | 23 | 001 |
| 24 | 23 | 002 |
| 26 | 26 | 001 |
| 27 | 26 | 002 |
| 28 | 28 | 001 |
| 29 | 28 | 002 |
| 30 | 30 | 001 |
| 35 | 30 | 002 |
| 31 | 31 | 001 |
| 32 | 31 | 002 |
| 33 | 33 | 001 |
| 34 | 33 | 002 |

*See detailed note for tape positions 158-193.

TAPE CHARACTERISTICS

Title: 24-Hour Food Consumption Intake Tape

Catalog Number: 4704

Data Set Name: HEHANESI.DU470404

Record Length: 405

Blocksize: 8100

Number of Records: 371,889

Number of Reels: 2 or 4 (depending on tape density)

Recording Mode: Fixed Block, EBCDIC

Channel: 9 Track

Created by: Division of Health Examination Statistics
National Center for Health Statistics
Hyattsville, Maryland

(Revised--September 1980)

General Notes

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 sample area. 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 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.

Dietary Information: Data on the 24-Hour Food Consumption Intake Tape were obtained by the 24-hour recall method by which each of the 20,749 sample persons ages 1-74 years was asked to report each food he had consumed on the day before the examination (midnight to midnight). This method accounted for all regular meals eaten as well as between-meal foods or snacks. It included foods eaten on Monday through Friday, but generally excluded foods eaten on weekends.

The 24-Hour Food Consumption Intake Tape contains a separate record for each food item consumed by each examined person

(Revised--May 1980)

together with the amounts of calories and fourteen selected nutrients contributed by each food. The nutrients are protein, fat, total carbohydrate, fiber carbohydrate, calcium, phosphorus, iron, sodium, potassium, vitamin A, thiamine, riboflavin, niacin and vitamin C. Also contained on the tape are the ingestion period, the approximate time of day the food was consumed, and the food source.

Beginning with version 03 of the 24-Hour Food Consumption Intake Tape, all records now include a quantitative value (in grams) for the amount of each food item ingested by the sample person, and values for the amounts of saturated fatty acid, oleic acid, linoleic acid, and dietary cholesterol contributed by each food item.

(Revised--May 1980)

SPECIAL NOTE

Since there is a separate data record for each food item consumed by each examined person, the total number of records found on the micro-data tape is 371,889. However, there are only 20,749 different examined persons, each with a possible 50 data records, one for each food item consumed.

The demographic information is found in tape positions 1-200 on every data record for each examined person. However, the tape description on pages 14-30 (demographic information) shows only the counts for the total number of examined persons rather than the total number of data records.

DEMOGRAPHIC DATA SUMMARY - HANES I

| | <u>Tape Positions</u> |
|---|---------------------------|
| Sample sequence number | 1 |
| Size of place | 10 |
| SMSA-not SMSA | 11 |
| Type of living quarters | 12 |
| Land usage | 13 |
| | |
| If rural, asked - How many acres of land are included | 14 |
| If 10 acres or more asked - Sale of crops, etc. amount to \$50 or more .. | 15 |
| If 10 acres or less asked - Sale of crops, etc. amount to \$250 or more . | 16 |
| Age - head of household | 17 |
| Sex - head of household | 19 |
| | |
| Highest grade attended - "head of household | 20 |
| Race - head of household | 22 |
| Total number of persons in household | 23 |
| Total sample persons in household | 25 |
| Number of rooms in house | 27 |
| | |
| Is there piped water | 28 |
| If yes, is there hot and cold piped water | 29 |
| If yes to piped water - Does house have a sink with piped water | 30 |
| Does house have a range or cook stove | 31 |
| Does house have a refrigerator..... | 32 |
| | |
| Are kitchen facilities used by anyone not living in household | 33 |
| Total family income group | 34 |

NOTE: The following income questions were asked only if "Total Family Income" was less than \$7,000

During Past Year Did you or Any Members of Your Family Receive Money From:

| | |
|--|----|
| Wages or salaries | 36 |
| If yes - How much altogether before deductions | 37 |
| Social Security or Railroad Retirement | 41 |
| If yes - How much altogether | 42 |
| Welfare payments or other public assistance | 46 |
| | |
| If yes - How much altogether | 47 |
| Unemployment or Workman's Compensation | 51 |
| If yes - How much altogether | 52 |
| Government employee pensions or private pensions | 56 |
| If yes - How much altogether | 57 |

Tape
Positions

| | |
|---|-----|
| Dividends, interest or rent | 61 |
| If yes - How much altogether | 62 |
| Net income from own non-farm business, professional practice or partnership | 66 |
| If yes - How much altogether | 67 |
| Net income from a farm | 71 |
| | |
| If yes - How much altogether | 72 |
| Veteran's payments | 76 |
| If yes - How much altogether | 77 |
| Alimony, child support or contributions from persons not living in household | 81 |
| If yes - How much altogether | 82 |
| | |
| Any other income | 86 |
| If yes - How much altogether | 87 |
| Total amount | 91 |
| Family unit code | 95 |
| Relationship to head of household | 100 |
| | |
| Age at interview | 101 |
| Race of examined person | 103 |
| Sex of examined person | 104 |
| Marital status | 105 |
| Date of birth (month and year) | 106 |
| | |
| Place of birth | 110 |
| Highest grade of regular school ever attended | 112 |
| Did he finish the grade | 114 |
| Is he attending school now | 115 |
| Has he ever attended a school of any kind | 116 |
| | |
| If yes - What kind of school | 117 |
| Is any language other than English frequently spoken in the household . | 118 |
| If yes - What language | 119 |
| What is your main ancestry or national origin | 120 |
| What was he doing most of past three months | 122 |
| | |
| If "something else" - What was he doing | 123 |
| If "keeping house" or "something else" - Did he work at a job or business at any time during the past three months | 124 |
| If "working" - Did he work full-time or part-time | 125 |
| Did he work at any time last week or the week before (not around house) | 126 |
| If no - Even though he did not work during that time, does he have a job or business | 127 |

Tape
Positions

| | |
|--|-----|
| Was he looking for work or on lay-off from a job | 123 |
| If yes - Which | 129 |
| Class of worker | 130 |
| If self-employed in "own" business and not a farm, is the business incorporated | 131 |
| Business or industry code | 132 |
| Occupation code | 135 |
| Date of examination | 138 |
| Age at examination | 144 |
| Farm/non-farm | 146 |
| Poverty index | 147 |
| Region | 150 |
| FOOD PROGRAMS APPLICABILITY | 151 |
| Are you certified to participate in the food stamp program? | 152 |
| Are you buying food stamps now? | 153 |
| What is the main reason you aren't participating in the program? | 154 |
| Are you certified to participate in the commodity distribution program? | 155 |
| Are you receiving commodity foods now for your family? | 156 |
| Why aren't you participating in the program? | 157 |
| SAMPLE WEIGHTS | 158 |
| STRATA - Primary Sampling Unit (PSU) | 194 |

24-HOUR FOOD CONSUMPTION INTAKE DATA SUMMARY - HANES I

| | <u>Tape Positions</u> |
|-----------------------------|---------------------------|
| CATALOG NUMBER - 4704 | 201 |
| Respondent | 225 |
| Day of recall | 226 |
| Ingestion period | 227 |
| Food code | 228 |
| Time of day | 233 |
| Line number | 237 |
| Food source | 239 |
| Interviewer code | 240 |
| Completion code | 243 |
| Food group | 244 |

NUTRIENTS

| | |
|--|-----|
| Calories | 246 |
| Protein (grams) | 254 |
| Fat (grams) | 262 |
| Total carbohydrates (grams) | 270 |
| Fiber carbohydrates | 278 |
| Calcium (mg) | 286 |
| Phosphorus (mg) | 294 |
| Iron (mg) | 302 |
| Sodium (mg) | 310 |
| Potassium (mg) | 318 |
| Vitamin A (I.U.) | 326 |
| Thiamine (mg) | 334 |
| Riboflavin (mg) | 342 |
| Niacin (mg) (Niacin from food sources) | 350 |
| Vitamin C (mg) | 358 |
| Amount of Food Consumed in Grams | 366 |
| Saturated Fatty Acid in Grams | 374 |
| Oleic Acid in Grams | 382 |
| Linoleic Acid in Grams | 390 |
| Dietary Cholesterol (mg) | 398 |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

LOCATIONS 1-65

DEMOGRAPHIC DATA TAPE
(n=20749)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source |
|--------|-----------|------------------|---|---|---|
| | | | <u>DEMOGRAPHIC DATA</u> | | |
| | 1-5 | 5 | <u>Sample Sequence Number</u> | | |
| | 6-9 | 4 | <u>Catalog Number</u> 4271 | 20749 | |
| | 10 | 1 | <u>Size of Place</u> 1 - Urbanized area with 3,000,000 or more 2 - Urbanized area with 1,000,000 to 2,999,999 3 - Urbanized area with 250,000 to 999,999 4 - Urbanized area under 250,000 5 - Urban place 25,000 or more outside urbanized area 6 - Urban place 10,000 to 24,999 outside urbanized area 7 - Urban place 2,500 to 9,999 outside urbanized area 8 - Rural | 3368 2423 2514 2534 364 1030 1159 7357 | Household Questionnaire See Detailed Notes |
| | 11 | 1 | <u>SMSA - Not SMSA</u> 1 - In SMSA, in central city 2 - In SMSA, not in central city 4 - Not in SMSA | 7221 5420 8108 | Household Questionnaire See Detailed Notes |
| | 12 | 1 | <u>Type of Living Quarters</u> 1 - Housing Unit 2 - Other unit | 20563 186 | Household Questionnaire |
| | 13 | 1 | <u>Land Usage</u> 1 - All other 2 - Rural | 13613 7136 | Household Questionnaire |
| | 14 | 1 | If Rural, asked <u>How Many Acres of Land Are Included?</u> 1 - 10 or more acres 2 - Less than 10 acres 9 - Not applicable | 1932 5204 13613 | Household Questionnaire |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source |
|--------|-----------|------------------|--|--|--|
| 15 | | 1 | If 10 acres or more, asked if <u>Sale of Crops, Etc. Amount to \$50 or more?</u> 2 - Yes 4 - No 9 - Not applicable | 1160 772 18817 | Household Questionnaire |
| 16 | | 1 | If 10 acres or less, asked if <u>Sale of Crops, Etc. Amount to \$250 or more?</u> 3 - Yes 5 - No 9 - Not applicable | 131 5073 15545 | Household Questionnaire |
| 17-18 | | 2 | <u>Age - Head of Household</u> 16-92 as given 00 Blank, but applicable | 20744 5 | Household Questionnaire Household Questionnaire |
| 19 | | 1 | <u>Sex - Head of Household</u> 1 - Male 2 - Female | 16660 4089 | Household Questionnaire |
| 20-21 | | 2 | <u>Highest Grade Attended - Head of Household</u> 10 - None 21 - 1st grade 22 - 2nd grade 23 - 3rd grade 24 - 4th grade 25 - 5th grade 26 - 6th grade 27 - 7th grade 28 - 8th grade 31 - 9th grade 32 - 10th grade 33 - 11th grade 34 - 12th grade 41 - First year of college 42 - Second year of college 43 - Third year of college 44 - Fourth year of college 45 - Graduate 88 - Blank, but applicable | 223 82 190 379 427 421 681 702 2405 1121 1458 1133 6153 746 1081 485 1317 1084 661 | Household Questionnaire |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source |
|--------|-----------|------------------|---|----------------------|---|
| 22 | | 1 | <u>Race - Head of Household</u> 1 - White 2 - Negro 3 - Other | 16387 4149 213 | Household Questionnaire See Detailed Notes |
| 23-24 | | 2 | <u>Total Number of Persons in Household</u> 01-19 - As given | 20749 | Household Questionnaire |
| 25-26 | | 2 | <u>Total Sample Persons in Household</u> 01-07 - As given | 20749 | Household Questionnaire |
| 27 | | 1 | <u>Number of Rooms in House</u> 1-8 - As given 9 - 9 or more | 19747 1002 | Household Questionnaire |
| 28 | | 1 | <u>Is there piped water?</u> 1 - Yes 2 - No | 20043 706 | Household Questionnaire |
| 29 | | 1 | If yes <u>Is there hot and cold piped water?</u> 1 - Yes 2 - No 9 - Not applicable | 19527 518 704 | Household Questionnaire |
| 30 | | 1 | If yes to piped water - <u>Does House Have a Sink with Piped Water?</u> 1 - Yes 2 - No 9 - Not applicable | 19866 181 702 | Household Questionnaire |
| 31 | | 1 | <u>Does House Have a Range or Cook Stove?</u> 1 - Yes 2 - No | 20513 236 | Household Questionnaire |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source |
|--------|-----------|------------------|---|--|---|
| 32 | | 1 | Does House have a Refrigerator? 1 - Yes 2 - No | 20487 262 | Household Questionnaire |
| 33 | | 1 | Are kitchen facilities used by anyone not living in household? 1 - Yes 2 - No 9 - Not applicable | 641 19418 690 | Household Questionnaire |
| 34-35 | | 2 | Total Family Income Group 11 - Under \$1,000 (including loss) 12 - \$1,000-1,999 13 - \$2,000-2,999 14 - \$3,000-3,999 15 - \$4,000-4,999 16 - \$5,000-5,999 17 - \$6,000-6,999 18 - \$7,000-9,999 19 - \$10,000-14,999 20 - \$15,000-19,999 21 - \$20,000-24,999 22 - \$25,000 and over 88 - Blank, but applicable NOTE: The following income questions were asked <u>only</u> if "Total Family Income" was less than \$7,000. DURING PAST YEAR DID YOU OR ANY MEMBERS OF YOUR FAMILY RECEIVE MONEY FROM: | 509 1248 1413 1389 1282 1147 1030 4655 4175 1830 741 612 718 | Household Questionnaire See Detailed Notes |
| 36 | | 1 | Wages or Salaries? 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable | 4738 3384 614 12013 | Household Questionnaire |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source |
|--------|-----------|------------------|--|----------------|-------------------------|
| 37-40 | | 4 | <u>If yes to above, how much altogether before deductions?</u> | | Household Questionnaire |
| | | | 0001-8000 - As given | 4468 | |
| | | | 8888 - Blank, but applicable | 884 | |
| | | | 9999 - Not applicable | 15397 | |
| 41 | | 1 | <u>Social Security or Railroad Retirement?</u> | | Household Questionnaire |
| | | | 1 - Yes | 2914 | |
| | | | 2 - No | 5226 | |
| | | | 8 - Blank, but applicable | 595 | |
| | | | 9 - Not applicable | 12014 | |
| 42-45 | | 4 | <u>If yes to above, how much altogether?</u> | | Household Questionnaire |
| | | | 0001-6999 - As given | 2852 | |
| | | | 8888 - Blank, but applicable | 657 | |
| | | | 9999 - Not applicable | 17240 | |
| 46 | | 1 | <u>Welfare Payments or Other Public Assistance?</u> | | Household Questionnaire |
| | | | 1 - Yes | 2414 | |
| | | | 2 - No | 5716 | |
| | | | 8 - Blank, but applicable | 605 | |
| | | | 9 - Not applicable | 12014 | |
| 47-50 | | 4 | <u>If yes to above, how much altogether?</u> | | Household Questionnaire |
| | | | 0001-6999 - As given | 2383 | |
| | | | 8888 - Blank, but applicable | 636 | |
| | | | 9999 - Not applicable | 17730 | |
| 51 | | 1 | <u>Unemployment or Workmen's Compensation?</u> | | Household Questionnaire |
| | | | 1 - Yes | 441 | |
| | | | 2 - No | 7690 | |
| | | | 8 - Blank, but applicable | 604 | |
| | | | 9 - Not applicable | 12014 | |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source |
|--------|-----------|------------------|---|-----------------------------------|-------------------------|
| 52-55 | | 4 | <u>If yes to above, how much altogether?</u> 0001-6999 - As given 8888 - Blank, but applicable 9999 - Not applicable | 423 622 19704 | Household Questionnaire |
| 56 | | 1 | <u>Government Employee Pensions or Private Pensions?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable | 569 7561 605 12014 | Household Questionnaire |
| 57-60 | | 4 | <u>If yes to above, how much altogether?</u> 0001-6999 - As given 8888 - Blank, but applicable 9999 - Not applicable | 553 621 19575 | Household Questionnaire |
| 61 | | 1 | <u>Dividends, interest or rent?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable | 918 7212 602 12017 | Household Questionnaire |
| 62-65 | | 4 | <u>If yes to above, how much altogether?</u> 0001-6999 - As given 8888 - Blank, but applicable 9999 - Not applicable | 870 650 19229 | Household Questionnaire |
| 66 | | 1 | <u>Net income from own non-farm business, professional practice or partnership?</u> 1 - Yes 2 - No 3 - Loss 8 - Blank, but applicable 9 - Not applicable | 350 7772 17 596 12014 | Household Questionnaire |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source |
|--------|-----------|------------------|--|-----------------------------------|-------------------------|
| 67-70 | | 4 | <u>If yes to above, how much altogether?</u> 0000-7500 - As given 8888 - Blank, but applicable 9999 - Not applicable | 316 647 19786 | Household Questionnaire |
| 71 | | 1 | <u>Net income from a farm?</u> 1 - Yes 2 - No 3 - Loss 8 - Blank, but applicable 9 - Not applicable | 406 7705 26 598 12014 | Household Questionnaire |
| 72-75 | | 4 | <u>If yes to above, how much altogether?</u> 0000-7500 - As given 8888 - Blank, but applicable 9999 - Not applicable | 388 642 19719 | Household Questionnaire |
| 76 | | 1 | <u>Veteran's Payments</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable | 452 7679 601 12017 | Household Questionnaire |
| 77-80 | | 4 | <u>If yes to above, how much altogether?</u> 0001-6999 - As given 8888 - Blank, but applicable 9999 - Not applicable | 441 612 19696 | Household Questionnaire |
| 81 | | 1 | <u>Alimony, child support or contributions from persons not living in household?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable | 439 7691 602 12017 | Household Questionnaire |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source |
|--------|-----------|------------------|---|-------------------------------------|--|
| 82-85 | | 4 | <u>If yes to above, how much altogether?</u> 0001-6999 - As given 8888 - Blank, but applicable 9999 - Not applicable | 426 615 19708 | Household Questionnaire |
| 86 | | 1 | <u>Any other income?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable | 325 7799 607 12018 | Household Questionnaire |
| 87-90 | | 4 | <u>If yes to above, how much altogether?</u> 0001-6999 - As given 8888 - Blank, but applicable 9999 - Not applicable | 313 619 19817 | Household Questionnaire |
| 91-94 | | 4 | <u>Total Amount (Total of Positions 37-90)</u> 0000-6999 - As given 8888 - Blank, but applicable 9999 - Not applicable | 7676 1060 12013 | Household Questionnaire |
| 95-99 | | 5 | <u>FAMILY UNIT CODE</u> 00001-23180 | 20749 | Computer generated See Detailed Notes |
| 100 | | 1 | <u>Relationship to Head of Household</u> 1 - Head (1 person living alone or with non-relatives) 2 - Head (2 or more related persons in family) 3 - Wife 4 - Child 5 - Other relative | 1920 4912 5256 7733 928 | Household Questionnaire |
| 101-2 | | 2 | <u>Age at Interview</u> 01-74 - As given | 20749 | Household Questionnaire |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source |
|--------|-----------|------------------|--|--|---|
| 103 | | 1 | <u>Race of Examined Person</u> 1 - White 2 - Negro 3 - Other | 16351 4163 235 | Household Questionnaire See Detailed Notes |
| 104 | | 1 | <u>Sex of Examined Person</u> 1 - Male 2 - Female | 8820 11929 | Household Questionnaire |
| 105 | | 1 | <u>Marital Status</u> 1 - Under 17 2 - Married 3 - Widowed 4 - Never married 5 - Divorced 6 - Separated 8 - Blank, but applicable | 6781 9338 1292 2265 596 465 12 | Household Questionnaire |
| 106-9 | | 4 | <u>Date of Birth (month, year)</u> 01-12 - Month as given 00-99 - Year (1896-1973) as given | 20749 20749 | Household Questionnaire |
| 110-11 | | 2 | <u>Place of Birth</u> 01-02 04-06 08-13 15-42 } As given 44-51 53-56 60-81 91-97 88 - Blank, but applicable | 20605 144 | Household Questionnaire See Detailed Notes |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source |
|----------------------------|-----------|------------------|---|----------------|-------------------------|
| 112-13 | | 2 | <u>Highest Grade of regular school ever attended?</u> | | Household Questionnaire |
| | | | 10 - None | 240 | |
| | | | 21 - 1st Grade | 438 | |
| | | | 22 - 2nd Grade | 445 | |
| | | | 23 - 3rd Grade | 556 | |
| | | | 24 - 4th Grade | 660 | |
| | | | 25 - 5th Grade | 654 | |
| | | | 26 - 6th Grade | 757 | |
| | | | 27 - 7th Grade | 833 | |
| | | | 28 - 8th Grade | 1897 | |
| | | | 31 - 9th Grade | 1070 | |
| | | | 32 - 10th Grade | 1263 | |
| | | | 33 - 11th Grade | 968 | |
| | | | 34 - 12th Grade | 4642 | |
| | | | 41 - First year of college | 659 | |
| | | | 42 - Second year of college | 809 | |
| | | | 43 - Third year of college | 343 | |
| | | | 44 - Fourth year of college | 883 | |
| | | | 45 - Graduate | 540 | |
| | | | 77 - Special School | 18 | |
| 88 - Blank, but applicable | 108 | | | | |
| 99 - Not applicable | 2966 | | | | |
| 114 | | 1 | <u>Did he finish the grade?</u> | | Household Questionnaire |
| | | | 1 - Yes | 11380 | |
| | | | 2 - No | 5929 | |
| | | | 8 - Blank, but applicable | 234 | |
| | | | 9 - Not applicable | 3206 | |
| 115 | | 1 | <u>Is he attending school now?</u> | | Household Questionnaire |
| | | | 1 - Yes | 3857 | |
| | | | 2 - No | 476 | |
| | | | 8 - Blank, but applicable | 0 | |
| | | | 9 - Not applicable | 16416 | |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source |
|--------|-----------|------------------|--|--|-------------------------|
| 116 | | 1 | <u>Has he ever attended a school of any kind?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable | 668 1127 0 18954 | Household Questionnaire |
| 117 | | 1 | <u>If yes, what kind of school?</u> 1 - Nursery 2 - Kindergarten 3 - Other 4 - Headstart 5 - Daycare 8 - Blank, but applicable 9 - Not applicable | 150 362 73 45 38 0 20081 | Household Questionnaire |
| 118 | | 1 | <u>Is any language other than English frequently spoken in the household?</u> 1 - Yes. 2 - No. 8 - Blank, but applicable | 2437 18110 202 | Household Questionnaire |
| 119 | | 1 | <u>If yes, what language?</u> 0 - German 1 - Italian 2 - French 3 - Polish 4 - Russian 5 - Spanish 6 - Chinese 7 - Other language 8 - Blank, but applicable 9 - Not applicable | 146 137 410 82 19 1202 31 400 212 18110 | Household Questionnaire |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source |
|--------------------|-----------|------------------|---|----------------|-------------------------|
| - 25 - | 120-21 | 2 | <u>What is your main ancestry or national origin?</u> | | Household Questionnaire |
| | | | 00 - German | 3385 | |
| | | | 01 - Irish | 2592 | |
| | | | 02 - Italian | 643 | |
| | | | 03 - French | 1104 | |
| | | | 04 - Polish | 525 | |
| | | | 05 - Russian | 188 | |
| | | | 06 - English | 2541 | |
| | | | 07 - Spanish | 436 | |
| | | | 08 - Mexican | 685 | |
| | | | 09 - Chinese | 40 | |
| | | | 10 - Japanese | 45 | |
| | | | 11 - American Indian | 352 | |
| | | | 12 - Negro | 4173 | |
| | | | 13 - Jewish | 56 | |
| | | | 14 - American | 1455 | |
| | | | 15 - Other | 1956 | |
| | | | 88 - Blank, but applicable | 66 | |
| | | | 99 - Don't know | 507 | |
| 122 | 1 | 1 | <u>What was he doing most of past three months?</u> | | Household Questionnaire |
| | | | 1 - Working | 6371 | |
| | | | 2 - Keeping house | 4869 | |
| | | | 3 - Something else | 2712 | |
| | | | 8 - Blank, but applicable | 27 | |
| | | | 9 - Not applicable | 6770 | |
| 123 | 1 | 1 | <u>If "something else" from above, what was he doing?</u> | | Household Questionnaire |
| | | | 0 - Laid off | 28 | |
| | | | 1 - Retired | 1320 | |
| | | | 2 - Student | 792 | |
| | | | 3 - Other | 117 | |
| | | | 4 - Ill. | 123 | |
| | | | 5 - Staying home | 56 | |
| | | | 6 - Looking for work | 57 | |
| | | | 7 - Unable to work | 220 | |
| | | | 8 - Blank, but applicable | 26 | |
| 9 - Not applicable | 18010 | | | | |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source |
|--------|-----------|------------------|--|-----------------------------|-------------------------|
| 124 | | 1 | <u>If "keeping house" or "something else" from above, did he work at a job or business at any time during the past three months?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable | 1054 6522 36 13137 | Household Questionnaire |
| 125 | | 1 | <u>If "Working" from above, did he work full-time or part-time?</u> 1 - Full-time 2 - Part-time 8 - Blank, but applicable 9 - Not applicable | 5705 1714 38 13292 | Household Questionnaire |
| 126 | | 1 | <u>Did he work at any time last week or the week before? (not around house)</u> 1 - Yes. 2 - No 8 - Blank, but applicable 9 - Not applicable | 6600 755 103 13291 | Household Questionnaire |
| 127 | | 1 | <u>If "no" to above, even though he did not work during that time, does he have a job or business?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable | 397 6878 104 13370 | Household Questionnaire |
| 128 | | 1 | <u>If "no" in Position 126, was he looking for work or on lay-off from a job?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable | 537 6738 104 13370 | Household Questionnaire |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source |
|--------|-----------|------------------|--|--|---|
| | 129 | 1 | <u>If yes to above - which?</u> 1 - Looking 2 - Lay-off 3 - Both 8 - Blank, but applicable 9 - Not applicable | 405 109 24 104 20107 | Household Questionnaire |
| | 130 | 1 | <u>Class of Worker</u> 1 - Private paid 2 - Government-Federal 3 - Government-Other 4 - Own 5 - Non-paid 6 - Never worked 8 - Blank, but applicable 9 - Not applicable | 5462 248 1001 745 122 60 25 13086 | Household Questionnaire |
| | 131 | 1 | <u>If self-employed in "own" business and not a farm, is the business incorporated?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable | 83 535 26 20105 | Household Questionnaire |
| | 132-34 | 3 | <u>Business or Industry Code</u> 017-999 - As given | 20749 | Household Questionnaire See Detailed Notes |
| | 135-37 | 3 | <u>Occupation Code</u> 001-995 As given | 20749 | Household Questionnaire See Detailed Notes |
| | 138-43 | 6 | <u>Date of Examination</u> Month - 01-12 as given Day - 01-31 as given Year - 71-75 as given | 20749 | Control Record |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source |
|--------|-----------|------------------|---|-----------------------------------|--|
| 144-45 | | 2 | <u>Age at Examination</u> 01-75 - As given | 20749 | Computer generated |
| 146 | | 1 | <u>Farm</u> 1 - Farm 2 - Nonfarm | 1291 19458 | Computer generated See Detailed Notes |
| 147-49 | | 3 | <u>Poverty Index (X.XX)</u> 001-997 - As given 998 - Index computed 998 or greater 999 - Unknown | 20002 25 722 | Computer generated See Detailed Notes |
| 150 | | 1 | <u>Region</u> 1 - Northeast 2 - Midwest 3 - South 4 - West | 4442 5101 5603 5603 | Computer generated See Detailed Notes |
| 151 | | 1 | <u>FOOD PROGRAMS APPLICABILITY</u> 1 - Not applicable 2 - No program available 3 - Food stamps available 4 - Commodities available 8 - Blank, but applicable | 14683 112 5142 760 52 | Food Programs Quest. |
| 152 | | 1 | <u>Are you certified to participate in the food stamp program?</u> 1 - Yes 2 - No 9 - Don't know Blank | 2374 1934 126 16315 | Food Programs Quest. |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source |
|--------|-----------|------------------|---|--|----------------------|
| 153 | | 1 | <u>Are you buying stamps now?</u> 1 - Yes, regularly 2 - Yes, occasionally 3 - No 8 - Blank, but applicable Blank | 1965 89 307 13 18375 | Food Programs Quest. |
| 154 | | 1 | <u>What is the main reason you aren't participating in the program?</u> 1 - No need 2 - Not enough money at the time 3 - No transportation 4 - Pride 5 - Other 8 - Blank, but applicable Blank | 33 121 16 8 111 18 20442 | Food Programs Quest. |
| 155 | | 1 | <u>Are you certified to participate in the commodity distribution program?</u> 1 - Yes 2 - No 9 - Don't know Blank | 215 423 25 20086 | Food Programs Quest. |
| 156 | | 1 | <u>Are you receiving commodity foods now for your family?</u> 1 - Yes, regularly 2 - Yes, occasionally 3 - No 8 - Blank, but applicable Blank | 159 14 39 3 20534 | Food Programs Quest. |
| 157 | | 1 | <u>Why aren't you participating in the program?</u> 1 - No need 2 - No transportation 3 - Pride 4 - Other 8 - Blank, but applicable Blank | 16 5 2 15 1 20710 | Food Programs Quest. |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source |
|--------|-----------|------------------|---|----------------|---------------------|
| | | | <u>SAMPLE WEIGHTS</u> | | |
| | 158-63 | 6 | Detailed Persons, Location 01-35 Blanks | 1892 18857 | See Detailed Notes |
| | 164-69 | 6 | All Sample Persons, Locations 01-35 Blanks | 10127 10622 | See Detailed Notes |
| | 170-75 | 6 | Detailed Persons, Locations 01-65 Blanks | 3854 16895 | See Detailed Notes |
| | 176-81 | 6 | All Sample Persons, Locations 01-65 Blanks | 20749 0 | See Detailed Notes |
| | 182-193 | 12 | Work Area | | |
| | 194-195 | 2 | STRATA ^{1/} | 20749 | |
| | 196-198 | 3 | Primary Sampling Unit ^{1/} | 20749 | |
| | 199-200 | 2 | Work Area | | |
| | | | ^{1/} Use only for producing variance estimates for examination locations 1-65 or 1-100. See the General Note titled "Variance Estimation" for producing variance estimates for examination locations 1-35 or 66-100. | | |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

24- Hour Food Consumption Intake Tape

(371,889 = number of records)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source | |
|--------|-------------|------------------|---|--|---------------------------------|--------------------|
| | 201- 204 | 4 | <u>Catalog Number</u> 4704 | | 24-Hour Recall Questionnaire | |
| | 205- 224 | 20 | <u>Data User Work Area</u> | | | |
| | 225 | 1 | <u>Respondent</u> 1 - Sample person 2 - Spouse 3 - Parent 4 - Grandparent 5 - Combination of above 6 - Other | 278746 1925 55443 1067 25104 9604 | | |
| | 226 | 1 | <u>Day of Recall</u> 0 - Blank, but applicable 1 - Sunday 2 - Monday 3 - Tuesday 4 - Wednesday 5 - Thursday 6 - Friday 7 - Saturday | 80 1788 68749 76742 70969 65676 87182 703 | | |
| | 227 | 1 | <u>Ingestion Period</u> 1 - A.M. 2 - Noon 3 - Between meals 4 - P.M. 5 - Total day | 85519 94168 82669 109457 76 | | See Detailed Notes |
| | 228- 232 | 5 | <u>Food Code</u> 00002-91001 - as given 09999 - ingestion period skipped | 363250 8639 | | See Detailed Notes |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source |
|--------|-----------|------------------|--|---|---|
| | 233-236 | 4 | <u>Time of Day</u> 0001-2445 - as given | 371889 | 24-Hour Recall Questionnaire See Detailed Notes |
| | 237-238 | 2 | <u>Line Number</u> 01-50 - as given | 371889 | |
| | 239 | 1 | <u>Food Source</u> 1 - Home 2 - School 3 - Restaurant 4 - Other | 290820 14688 33019 33362 | |
| | 240-242 | 3 | <u>Interviewer Code</u> 032-051 - as given 999 - Blank, but applicable | 370824 1065 | |
| | 243 | 1 | <u>Completion Code</u> 1 - Satisfactory 2 - Unsatisfactory 3 - Refusal 4 - Not available 5 - Informant incapable 6 - Other | 363703 6921 39 560 556 110 | |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION AND CODES | Control Counts | HANES I Data Source |
|--------|-------------|------------------|--|---|---|
| | 244- 245 | 2 | <u>Food Group</u> 00 - Ingestion period skipped 01 - Milk 02 - Meats 03 - Poultry 04 - Organ meats 05 - Fish and shellfish 06 - Eggs 07 - Soups 08 - Fats, oils 09 - Legumes 10 - Cereals 11 - Fruits, vegetables, and juices 12 - Sugar and sugar products 13 - Desserts 14 - Miscellaneous 15 - Mixed protein dishes 16 - Alcoholic beverages 17 - Sugar-free beverages 18 - Salty snacks | 8639 46987 23122 5420 631 2958 7295 8107 39421 4222 54268 62694 43979 15872 3116 6222 4325 30278 4333 | 24-Hour Recall Questionnaire See Detailed Notes |
| | | | <u>NUTRIENTS</u> . (xxxxxx.xx - Decimal not shown on tape) | | See Detailed Notes |
| | 246- 253 | 8 | <u>Calories</u> 00000000-00362880 - as given 99999999 - Unknown | 370171 1718 | |
| | 254- 261 | 8 | <u>Protein (Grams)</u> 00000000-00026387 - as given 99999999 - Unknown | 370171 1718 | |
| | 262- 269 | 8 | <u>Fat (Grams)</u> 00000000-00032901 - as given 99999999 - Unknown | 370171 1718 | See Detailed Notes |

(revised - September 1980)

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION & CODES | Control Counts | HANES I Data Source |
|-------------|-----------|------------------|---|----------------|---------------------------------|
| 270- 277 | | 8 | <u>Total Carbohydrates</u> (Grams) 00000000-00054725 - as given 99999999 - Unknown | 370171 1718 | 24-Hour Recall Questionnaire |
| 278- 285 | | 8 | <u>Fiber Carbohydrates</u> 00000000-64605635 - as given 99999999 - Unknown | 370171 1718 | See Detailed Notes |
| 286- 293 | | 8 | <u>Calcium</u> (Mg) 00000000-00564479 - as given 99999999 - Unknown | 370171 1718 | |
| 294- 301 | | 8 | <u>Phosphorus</u> (Mg) 00000000-00441600 - as given 99999999 - Unknown | 370171 1718 | |
| 302- 309 | | 8 | <u>Iron</u> (Mg) 00000000-00006410 - as given 99999999 - Unknown | 370171 1718 | |
| 310- 317 | | 8 | <u>Sodium</u> (Mg) 00000000-01240120 - as given 99999999 - Unknown | 370171 1718 | |
| 318- 325 | | 8 | <u>Potassium</u> (Mg) 00000000-00704000 - as given 99999999 - Unknown | 370171 1718 | |
| 326- 333 | | 8 | <u>Vitamin A</u> (International Units (I.U.)) 00000000-23923200 - as given 99999999 - Unknown | 370171 1718 | |

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION AND CODES | Control Counts | HANES I Data Source |
|---------|-----------|------------------|---|----------------|------------------------------|
| | | | | | 24-Hour Recall Questionnaire |
| 334-341 | | 8 | <u>Thiamine (Mg)</u> 00000000-00001311 - as given 99999999 - Unknown | 370171 1718 | |
| 342-349 | | 8 | <u>Riboflavin (Mg)</u> 00000000-00001876 - as given 99999999 - Unknown | 370171 1718 | |
| 350-357 | | 8 | <u>Niacin (Mg) (Niacin from food sources)</u> 00000000-00016896 - as given 99999999 - Unknown | 370171 1718 | |
| 358-365 | | 8 | <u>Vitamin C (Mg)</u> 00000000-00087450 - as given 99999999 - Unknown | 370171 1718 | |
| 366-373 | | 8 | <u>Amount of Food Consumed in Grams</u> 00000000-00864002 - as given 99999999 - Unknown | 370171 1718 | |
| 374-381 | | 8 | <u>Saturated Fatty Acid in Grams</u> 00000000-00015765 - as given 99999999 - Unknown | 370171 1718 | |
| 382-389 | | 8 | <u>Oleic Acid in Grams</u> 00000000-00014470 - as given 99999999 - Unknown | 370171 1718 | |
| 390-397 | | 8 | <u>Linoleic Acid in Grams</u> 00000000-00011925 - as given 99999999 - Unknown | 370171 1718 | |

(revised - May 1980)

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

| Item # | Tape Loc. | No. of Positions | ITEM DESCRIPTION AND CODES | Control Counts | HANES I Data Source |
|--------|-----------|------------------|---|----------------|------------------------------|
| | 398-405 | 8 | <u>Dietary Cholesterol</u> (Mg) 00000000-00305489 - as given 99999999 - Unknown | 370171 1718 | 24-Hour Recall Questionnaire |

DETAILED NOTES
TAPE POSITION 10

Size of Place

Size of place classification was derived from the 1960 census. According to the definition used in the 1960 census, the urban population was comprised of all persons living in (a) places of 2,500 inhabitants or more incorporated as cities, boroughs, villages and towns (except towns in New York, New England, and Wisconsin); (b) the densely settled urban fringe, whether incorporated or unincorporated, of urbanized areas; (c) towns in New England and townships in New Jersey and Pennsylvania which contained no incorporated municipalities as subdivisions and had either 2,500 inhabitants or more, or a population of 2,500 to 25,000 and a density of 1,500 persons or more per square mile; (d) counties in states other than the New England states, New Jersey, and Pennsylvania, that had no incorporated municipalities within their boundaries and had a density of 1,500 persons per square mile; and (e) unincorporated places of 2,500 inhabitants or more not included in any urban fringe. 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 11

SMSA

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 1960 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.

DETAILED NOTES

TAPE POSITIONS 22 AND 103

Race

The race of the respondent was marked by observation and it was assumed the race of all related persons was the same as the respondent unless otherwise learned. The race categories were "White", "Negro" or "other." If the appropriate category could not be marked by observation, then race was asked. Persons of races other than White or Negro, such as Japanese, Chinese, American Indian, Korean, Hindu, Eskimo, etc. were reported as "Other." Mexicans were included with "White" unless definitely known to be American Indian or of other nonwhite race.

DETAILED NOTES
TAPE POSITIONS 34-35

Total Family Income Group

The income group represents the total combined family income for the past twelve (12) months. It includes income from all sources such as wages, salaries, social security or retirement benefits, help from relatives, rent from property and so forth. The income groups were not reconciled to the component parts (tape positions 36-94). The income component parts were not asked when the gross income was greater than \$6,999 per annum. However, amounts greater than \$6,999 appear in tape positions 37-40, 67-70, and 72-75. Some respondents reported a loss of income from their nonfarm business, professional practice, partnership or farm and this explains why some data fields are greater than \$6,999, but the individual total in tape positions 91-94 does not exceed this figure.

DETAILED NOTES

TAPE POSITIONS 95-99

Family Unit Code

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

DETAILED NOTES
TAPE POSITIONS 110-111

| UNITED STATES | | | OUTLYING AREAS OF THE U.S. | |
|-------------------|-----------------------|------|------------------------------|------|
| | Standard Abbreviation | Code | Name of Place | Code |
| ALABAMA | Ala. | 01 | American Samoa | 60 |
| ALASKA | Alaska | 02 | Canal Zone | 61 |
| ARIZONA | Ariz. | 04 | Canton and Enderbury Islands | 62 |
| ARKANSAS | Ark. | 05 | Caroline Islands | 63 |
| CALIFORNIA | Calif. | 06 | Cook Islands | 64 |
| COLORADO | Colo. | 08 | Gilbert and Ellice Islands | 65 |
| CONNECTICUT | Conn. | 09 | Guam | 66 |
| DELAWARE | Del. | 10 | Johnston Atoll | 67 |
| DIST. OF COLUMBIA | D.C. | 11 | Line Islands - Southern | 68 |
| FLORIDA | Fla. | 12 | Mariana Islands | 69 |
| GEORGIA | Ga. | 13 | Marshall Islands | 70 |
| HAWAII | Hawaii | 15 | Midway Islands | 71 |
| IDAHO | Idaho | 16 | Puerto Rico | 72 |
| ILLINOIS | Ill. | 17 | Ryukyn Islands - Southern | 73 |
| INDIANA | Ind. | 18 | Swan Islands | 74 |
| IOWA | Iowa | 19 | Tokelau Islands | 75 |
| KANSAS | Kans. | 20 | U.S. Misc. Caribbean | 76 |
| KENTUCKY | Ky. | 21 | U.S. Misc. Pacific Islands | 77 |
| LOUISIANA | La. | 22 | Virgin Islands | 78 |
| MAINE | Maine | 23 | Wake Islands | 79 |
| MARYLAND | Md. | 24 | Cuba | 80 |
| MASSACHUSETTS | Mass. | 25 | West Indies | 81 |
| MICHIGAN | Mich. | 26 | North America | 91 |
| MINNESOTA | Minn. | 27 | South America | 92 |
| MISSISSIPPI | Miss. | 28 | Europe | 93 |
| MISSOURI | Mo. | 29 | Africa | 94 |
| MONTANA | Mont. | 30 | Asia | 95 |
| NEBRASKA | Nebr. | 31 | Australasia | 96 |
| NEVADA | Nev. | 32 | Pacific Islands | 97 |
| NEW HAMPSHIRE | N.H. | 33 | | |
| NEW JERSEY | J.J. | 34 | | |
| NEW MEXICO | N. Mex. | 35 | | |
| NEW YORK | N.Y. | 36 | | |
| NORTH CAROLINA | N.C. | 37 | | |
| NORTH DAKOTA | N. Dak. | 38 | | |
| OHIO | Ohio | 39 | | |
| OKLAHOMA | Okla. | 40 | | |
| OREGON | Oreg. | 41 | | |
| PENNSYLVANIA | Pa. | 42 | | |
| RHODE ISLAND | R.I. | 44 | | |
| SOUTH CAROLINA | S.C. | 45 | | |
| SOUTH DAKOTA | S. Dak. | 46 | | |
| TENNESSEE | Tenn. | 47 | | |
| TEXAS | Tex. | 48 | | |
| UTAH | Utah | 49 | | |
| VERMONT | Vt. | 50 | | |
| VIRGINIA | Va. | 51 | | |
| WASHINGTON | Wash. | 53 | | |
| WEST VIRGINIA | W. Va. | 54 | | |
| WISCONSIN | Wis. | 55 | | |
| WYOMING | Wyo. | 56 | | |

DETAILED NOTES

TAPE POSITIONS 132-134 AND 135-137

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.

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DETAILED NOTES

TAPE POSITION 146

Land used for farming purposes (Code 1 in Tape Position 146) was identified as being rural land (Code 2 in Tape Position 13) consisting of 10 or more acres (Code 1 in Tape Position 14) with crop sales amounting to \$50 or more (Code 2 in Tape Position 15), or rural land (Code 2 in Tape Position 13) consisting of less than 10 acres (Code 2 in Tape Position 14) with crop sales amounting to \$250 or more (Code 3 in Tape Position 16). All Other land is classified as nonfarm (Code 2 in Tape Position 146).

DETAILED NOTES

TAPE POSITIONS 147-149

Poverty Index--Income status was determined by the Poverty Income Ratio (PIR). Poverty statistics published in the Census Bureau reports^{1/} were based on the poverty index developed by the Social Security Administration in 1964. (For a detailed discussion of the SSA poverty standards, see reference 2.) Modifications in the definition of poverty were adopted in 1969.^{3/} The standard data series in poverty for statistical use by all executive departments and establishments has been established.^{4/}

The two components of the PIR are the total income of the household (numerator) 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 table, 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 local variation in the cost of living (except for the farm, nonfarm difference). None of the noncash public welfare benefits such as food stamp bonuses or free food commodities are included in the income of the low income families receiving these benefits.

^{1/}Current Population Reports, "Consumer Income," Series P-60, No. 77, May 7, 1971.

^{2/}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.

^{3/}Current Population Reports, "Special Studies," Series P-23, No. 28, August 12, 1969.

^{4/}Circular No. A-46, Transmitted Memorandum No. 9, Executive Office of the President, Bureau of the Budget, August 29, 1969, and Exhibit L (rev.).

DETAILED NOTES

TAPE POSITIONS 147-149

Weighted average thresholds at the low income level in 1971 by size of family and sex of head, by farm-nonfarm residence

| Size of family | Total | Nonfarm | | | Farm | | |
|--------------------------------|---------|---------|------------------------|--------------------------|---------|------------------------|--------------------------|
| | | Total | Male ¹ head | Female ¹ head | Total | Male ¹ head | Female ¹ head |
| All unrelated individuals----- | \$2,033 | \$2,040 | \$2,136 | \$1,978 | \$1,727 | \$1,783 | \$1,669 |
| Under 65 years----- | 2,093 | 2,098 | 2,181 | 2,017 | 1,805 | 1,853 | 1,715 |
| 65 years and over----- | 1,931 | 1,940 | 1,959 | 1,934 | 1,652 | 1,666 | 1,643 |
| All families----- | 3,700 | 3,724 | 3,764 | 3,428 | 3,235 | 3,242 | 3,079 |
| 2 persons----- | 2,612 | 2,633 | 2,641 | 2,581 | 2,219 | 2,224 | 2,130 |
| Head under 65 years----- | 2,699 | 2,716 | 2,731 | 2,635 | 2,317 | 2,322 | 2,195 |
| Head 65 years and over----- | 2,424 | 2,448 | 2,450 | 2,437 | 2,082 | 2,081 | 2,089 |
| 3 persons----- | 3,207 | 3,229 | 3,246 | 3,127 | 2,745 | 2,749 | 2,627 |
| 4 persons----- | 4,113 | 4,137 | 4,139 | 4,116 | 3,527 | 3,528 | 3,513 |
| 5 persons----- | 4,845 | 4,880 | 4,884 | 4,837 | 4,159 | 4,159 | 4,148 |
| 6 persons----- | 5,441 | 5,489 | 5,492 | 5,460 | 4,688 | 4,689 | 4,656 |
| 7 persons or more----- | 6,678 | 6,751 | 6,771 | 6,583 | 5,736 | 5,749 | 5,516 |

¹For unrelated individuals, sex of the individual.

SOURCE: U.S. Department of Commerce, Social and Economic Statistics Administration, U.S. Bureau of the Census "Characteristics of the Low Income Population: 1971," Current Population Reports, Series P-60, No. 86, p. 18.

DETAILED NOTES

TAPE POSITION 150

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 the 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, and Wyoming. |

DETAILED NOTES

TAPE POSITIONS 158-193

HANES is a multistage, stratified, probability sample of loose clusters of persons in land-based segments. In addition, HANES is composed of two distinct examination components--a nutrition screening examination (taken by all examinees) and a more detailed examination taken by a pre-selected subsample of all examinees, ages 25-74. For the nutrition screening examination, locations 1-35 and 1-65 constituted national probability samples and for the detailed examination, locations 1-35, 1-65, 66-100 and 1-100 all constitute national probability samples. In other words, HANES is composed of six distinct subsamples of the U.S. population. For a more detailed discussion of the sample design see Series 1, No. 10a.

Since each of these six subsamples is a distinct subsample of the U.S. population, each subsample requires a different set of weights. The weights are based upon the probability of selection into the sample, adjustments for nonresponse and further adjustments to approximate the U.S. noninstitutionalized population as of the midpoint of each subsample.

In order to select all of those examinees in a particular subsample, i.e. received a particular exam component, it is necessary to exclude all examinees with a weight of zero or blank. It is also necessary to exclude all zero or blank weights because that is the only way to differentiate missing data due to nonresponse from data that is missing because the sample design dictated that a particular examinee was not supposed to receive a particular examination component.

It is suggested that any analyses that are desired by the researcher be performed using the greatest number of examinees possible; that is, if the researcher is interested in an exam component of the nutrition screening examination he should use the weight and consequently the data from the 65 location subsample rather than the 35 location subsample. For the detailed examination, the researcher should use the 100 location subsample rather than one of the others. However, some exam components were only done in a particular subsample; for example, only at the first 35 locations. In that case, the researcher has no choice in selecting a particular subsample.

There may be occasions when a researcher may want to make comparisons of estimates obtained from various subsamples. For example, the prevalence of some disease condition as estimated from the first 35 locations could be compared with an estimate based upon locations 66-100. The researcher may also want to formulate hypotheses using one subsample and test those hypotheses using another subsample.

DETAILED NOTES

Tape Position 227

Ingestion Period

The ingestion period code '5' refers to one or more food items prepared once and eaten throughout the day.

DETAILED NOTES

Tape Positions 228-232

Food Code

The food codes as well as nutrient values of food items per 100 gram edible portion were obtained from the U. S. Department of Agriculture Handbook 8, 1963 and from other sources. Because of this constantly changing food supply, nutrient composition values for new food combinations were added or updated continually according to information provided by the U. S. Department of Agriculture. A food code of '09999' was used when an ingestion period was skipped.

For further information, refer to specifications for model grams and Handbook 8.

DETAILED NOTES

Tape Positions 233-236

Time of Day

The time was recorded in minutes and hours using military times.

DETAILED NOTES
Tape Positions 244-245

| <u>FOOD OR FOOD GROUP</u> | <u>EXPLANATION OF FOOD ITEM</u> |
|--------------------------------|---|
| 1. Milk and Milk Products | Includes milk drunk as a beverage or used on cereals; flavored milk drinks; cocoa made from milk; skim milk, yogurt, or buttermilk; ice milk; ice cream or puddings made with milk; cheese and cheese dishes. EXCEPTION: CREAM CHEESE |
| 2. Meat | Includes beef, pork, lamb, veal, luncheon meats, frankfurters |
| 3. Poultry | Includes chicken, turkey, duck, game birds, cornish hen, etc. |
| 4. Organ meats | Includes liver, kidney, heart, spleen, etc. |
| 5. Fish or Shellfish | All varieties of fish and shellfish regardless of whether canned, fresh, frozen, or dried or salted. |
| 6. Eggs | Includes eggs eaten e.g. fried, boiled, poached, deviled, or egg salad. DOES NOT INCLUDE EGGS IN COOKED OR BAKED DISHES (AS CUSTARDS, PUDDINGS) |
| 7. Soups | Includes milk and water-based; gravies and sauces (meat and vegetable based) |
| 8. Fats and Oils | Includes butter, margarine, salad oils, salad dressings, bacon, cream cheese, cream, peanut butter, non-dairy cream |
| 9. Legumes and Nuts | Includes dry beans and peas like pinto beans, red beans, black-eyed peas, peanuts, soy beans, soy products, etc. |
| 10. Cereals and Grain Products | Includes breakfast cereals either dry as cornflakes or cooked such as oatmeal; grain products such as bread, rolls, biscuits, muffins, cornbread, crackers, unsalted pretzels. |
| 11. Fruits and Vegetables | A. All kinds: fresh, canned, frozen, cooked or raw; juices, or fruit drinks B. Fruits and Vegetables rich in Vitamin A C. Fruits and Vegetables rich in Vitamin C |

| <u>FOOD OR FOOD GROUP</u> | <u>EXPLANATION OF FOOD ITEM</u> |
|--|--|
| 12. Sugar & primarily sugar products | Includes all candy, soft drinks, lemonade, limeade |
| 13. Desserts and sweets | Includes cake, pie, cookies, fruit puddings, doughnuts (cake-type and yeast-type) sherbet, sweet snacks. EXCEPTIONS: ICE CREAM, ICE MILK |
| 14. Miscellaneous | Including mustard, gelatin, malt, beverage powders, chili powder, seeds, low fat salad dressings |
| 15. Mixed protein dishes with carbohydrates (starches) or vegetables (cho) | Includes casseroles, pot pies, pizza, spaghetti with meat, etc. EXCEPTIONS: PLAIN CHEESE DISHES |
| 16. Alcohol beverages | Includes: a) beer, b) wine, c) distilled liquors |
| 17. Sugar free and low | Includes coffee (regular, and decaffeinated), tea, bouillion, consomme, and carbonated drinks |
| 18. Salty snacks | Includes potato chips, corn chips, puffed snacks, salted popcorn, salted pretzels, etc. |

(Revised--May 1980)

DETAILED NOTES

Tape Positions 246-365

Nutrients

A value of zero '00000000' can denote the following:

- 1) that the individual skipped a particular ingestion period.
In this case, the food code will be '09999' (see tape positions 228-232).

- 2) that the nutrient value per 100 gram edible portion is '00000000' or "unknown." To determine whether this is the case, first determine the food code (tape positions 228-232). Then search for that food code on the Nutrient Composition Tape and search for the nutrient in question (see record specifications for Nutrient Composition Tape). A value of '00000000' denotes that the particular food does not contain that nutrient. The values -100, -800, and -900 correspond to a value unknown at the time HANES dietary data was processed.

There were 1718 records for which the values for calories and selected nutrients are given as '99999999.' This was done because uncorrectable transcription errors caused some values for calories and the selected nutrients were found outside of reasonable expected consumption ranges.

There are some records where the caloric intake or intake for selected nutrients is low (less than 0.10 of a unit). This is the result of the reported intake of miniscule amounts of food.

DETAILED NOTES

Tape Positions 262-269

Fat (Grams)

Fat values on the new 24-Hour Consumption Tape do not necessarily match those on the original 24-Hour Consumption Tape because the new values have been computed using updated nutrient composition information on the amount of fat per 100 gram edible portions of certain foods.

(Revised--May 1980)

DETAILED NOTES

Tape Positions 278-285

Fiber Carbohydrate

The data contained in this field on the tape are unedited. Also fiber values for many of the foods cataloged in HANES I were unknown. The values have been included on this tape in response to requests from data users who were interested in examining HANES I data using that information on fiber carbohydrate which was available during the time frame of the survey.

The Division of Health Examination Statistics of the National Center For Health Statistics has no plans for any analysis using fiber carbohydrate values.

(Revised--May 1980)

DETAILED NOTES

Tape Positions 366-373

Amount of Food Consumed in Grams

The amount of each individual food item consumed by a sample person has been quantified in grams. This is done by means of the food models which have been coded by the dietary interviewer as representing the amount of each food consumed, and the gram conversion factor associated with every food item in the HANES data bank. This factor allows the universal conversion of food quantities to grams.

(Revised--May 1980)