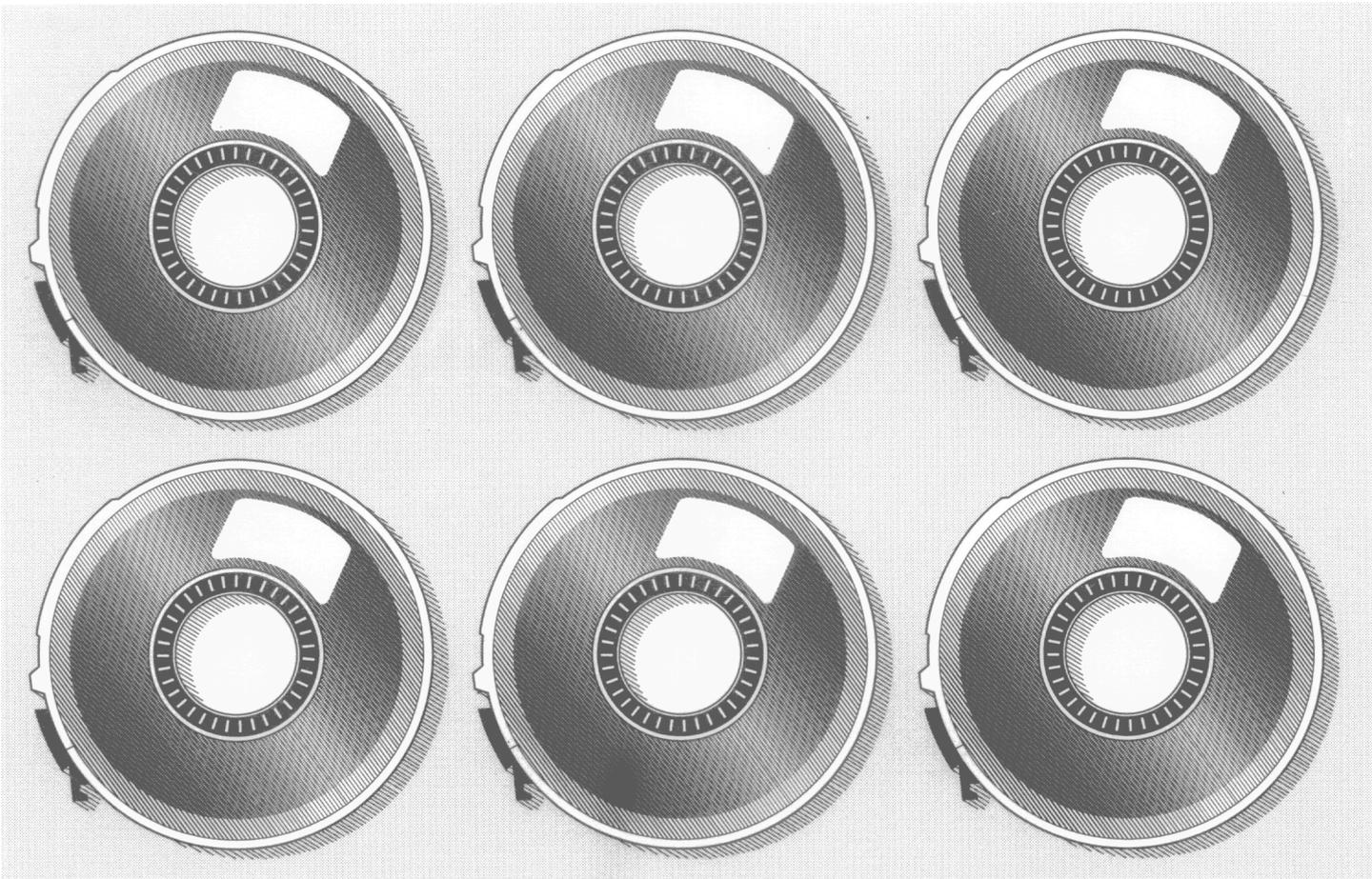


Public Use Data Tape Documentation

Chest X-ray Examination
Tape Number 5252

National Health and Nutrition Examination Survey, 1976-80



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



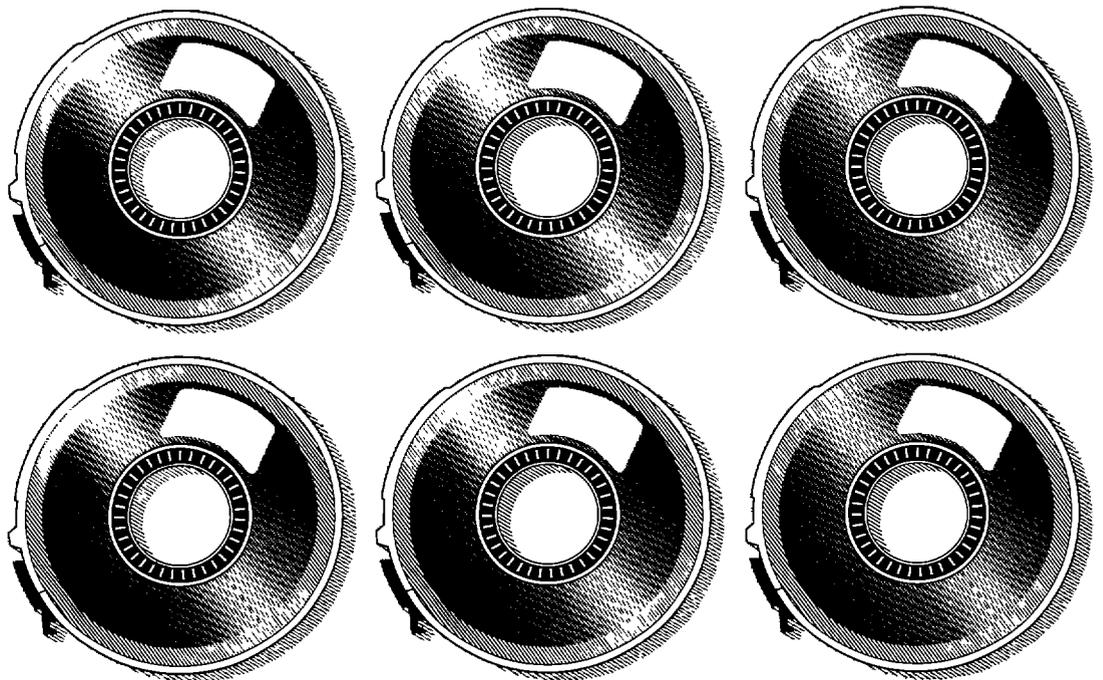
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Data Tape

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Tape Number 5252

National Health and Nutrition Examination Survey, 1976-80



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

Hyattsville, Maryland
Reprinted June 1992

CHEST X-RAY EXAMINATION, NHANES II

Documentation for Public Use Data Tape

Catalog Number 5252

Chest X-Ray Examination, Ages 25-74 Years

This data tape contains demographic and chest x-ray data for persons 25 through 74 years of age examined in the second National Health and Nutrition Examination Survey (NHANES II), conducted in 1976-1980 by the National Center for Health Statistics, U.S. Public Health Service.

Ki Moon Bang, Peter Gergen, Olivia Carter-Pokras, and Shirley Gray were responsible for the data compilation and technical review necessary to assemble this tape and construct the documentation. Preparation of drafts and final copy was accomplished by Sandra Payne.

NCHS PUBLIC USE TAPES

Public use data tapes from the National Center for Health Statistics (NCHS) for all NHANES II components will be released as soon as the data have been compiled and documented. NHANES II data tapes are available for purchase from:

National Technical Information Service (NTIS)
5285 Port Royal Road
Springfield, Virginia 22161

(703) 487-4650

A list of NCHS public use data tapes that can be purchased from NTIS can be obtained 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

USE OF NCHS DATA TAPES

The National Center for Health Statistics requests the cooperation of recipients of data tapes in certain actions related to their use.

Any publication based on the data should acknowledge 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.

Users who wish to publish a technical description of the data should make a reasonable effort to insure that the description is consistent with that published by NCHS. This does not mean, however, that NCHS will review such descriptions.

NCHS would appreciate receiving reprints of journal articles or other publications based upon findings from the NHANES II survey. Please send them to the address below.

The data tapes have been carefully edited. Some of the continuous data items have extremely high or low values. It has been verified that the values appear that way on the original interview documents; that is, it has been verified that the values have not resulted from incorrect keypunching. 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. NCHS would like to be informed if any such errors are detected so that errata sheets can be issued to previous purchasers and corrections made to a new data tape, if appropriate. Please contact:

Division of Health Examination Statistics
National Center for Health Statistics
Center Building, Room 2-58
3700 East-West Highway
Hyattsville, Maryland 20782
(301) 436-7068

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I. NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY (NHANES II)

A. HISTORY AND SCOPE

1. Description of Survey: NHANES II was one of a series of population based surveys conducted by the National Center for Health Statistics to help determine the health status of the Nation. Data were collected through response to questionnaires on medical history, food consumption, and health-related behavior. Data also were collected through direct medical examination. The tape documented here contains data from the demographic and chest x-ray examination parts of the survey for persons 25 through 74 years of age. 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 National Health and Nutrition Examination Survey, 1976-1980, DHHS Pub. No. (PHS) 81-1317, Vital and Health Statistics Series 1, No. 15, Public Health Service, available at cost from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The stock number is 017-022-00752-5. One copy is provided with the documentation herein, and a general summary of the data collection techniques and content is given in the Appendix.

2. Target Population: NHANES II was conducted on a nationwide probability sample of approximately 28,000 persons 6 months through 74 years of age 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 to inflate the sample in such a manner as to closely reflect the estimated civilian, noninstitutionalized U.S. population 6 months through 74 years of age at the midpoint of the survey (March 1, 1978).

B. SAMPLE DESIGN AND RECOMMENDATIONS FOR ANALYSIS

NHANES II uses a multistage sample designed to represent the civilian, noninstitutionalized population of the United States, 6 months through 74 years of age. Since the sample is not a simple random one and certain population groups were oversampled, 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 individuals who were both interviewed and examined, and on another 4,964 individuals who were interviewed but not examined, in the age range 6 months through 74 years of age. 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. For a person not selected for a particular subsample, the 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. This file contains data on all 10,450 examined persons 25 through 74 years of age.

The NHANES II data were collected using a complex sample design involving both clustering and stratification. Because of the complex design and the ratio adjustments applied to the 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 provide the capability of variance estimation for complex sample designs. The balanced repeated replication approach ¹ is utilized in &REPERR &PSALMS to calculate the variance-covariance matrix. Both routines are available within the OSIRIS IV library.² SURREGR³ and SUPERCARP⁴ are programs that calculate the variance-covariance matrix using the linearization approach ⁵ (Taylor series expansion). Another program, SESUDAAN,⁶ calculates variances and design effects. SURREGR and SESUDAAN are special procedures for the SAS package, which is available from SAS Institute, Box 8000, Carey, N.C., 27511.

In order to provide the user with the capability of estimating the complex sample variances in the NHANES II data using the above procedures, Strata and Pseudo Primary Sampling Unit (PSU) codes have been provided 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 publication discusses these issues and describes analytic strategies for examining various hypotheses for the first National Health and Nutrition Examination Survey (NHANES I), which used a similar type of complex sample design.⁷

II. CHEST X-RAY EXAMINATION, AGES 25-74 YEARS

A. DESCRIPTION

This data tape contains demographic and chest x-ray data for all examined persons 25 through 74 years of age.

B. DEMOGRAPHIC DATA COLLECTION

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, select the sample person(s), and administer demographic and medical history questionnaires. Demographic information relating to the household, the housing unit, and each sample person 6 through 11 years of age was obtained from an available and competent household respondent. (In contrast, the preferred respondent for the medical information for persons 12 through 74 years of age was the actual sample person, with proxy response accepted when the sample person was not available.)

C. CHEST X-RAY EXAMINATION DATA COLLECTION

Chest x-ray testing was conducted at the time of the medical examination. PA chest x-rays were given to sample persons ages 25-74 years who consented except pregnant women.

Radiographic abnormalities of all chest x-rays were assessed independently by two x-ray readers. When the findings of the two readers disagreed with each other in any particular, it was adjudicated by the second reader.

For X-rays where adjudication required judgement, a third opinion was obtained from a staff radiologist who was skilled in chest radiology at Memorial Medical Center in Springfield, Illinois.

Tape users are referred to NCHS publications of data collection manuals, part 15a (8) and the complete operational manual for NHANES II (9).

III. TAPE CHARACTERISTICS AND DESCRIPTION

A. TAPE CHARACTERISTICS

Title: Chest X-Ray Examination, Ages 25-74 Years
Catalog Number: 5252
Data Set Name: HEHANES2.DU525201
Record Length: 652
Blocksize: 13,040

Number of Records: 10,450
Number of Reels: 1
Recording Mode: Fixed Block, EBCDIC
Channel: 9 Track
Created by: Division of Health Examination Statistics
National Center for Health Statistics
Hyattsville, Maryland

B. INDEX TO TAPE POSITIONS

<u>1. Demographic Section</u>	<u>Tape Positions</u>
<u>a. Residence Data</u>	
Sample Sequence Number.....	1- 5
Catalog Number (5371-for Demographic Data only).....	6- 9
Unused position.....	10
Size of place.....	11
SMSA-not SMSA.....	12
Unused positions.....	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 past 12 months did sales of farm products and live stock amount to \$50 or more?.....	27
If less than 10 acres, asked if in the past 12 months did sales of farm products and live stock amount to \$250 or more?.....	28
Unused position.....	29
Total number of persons in household.....	30-31
Total number of sample persons in family.....	32-33
<u>b. Sample Person Data</u>	
Unused position.....	34
Family relationship.....	35
Examination status.....	36
Family unit sequence number.....	37-41
Unused positions.....	42-46
Age-years (at interview).....	47-48
Unused positions.....	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 now married, widowed, divorced, separated or never married?.....	59
National 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
When he/she was working, did he/she usually work full time or part time?.....	68

1. Demographic Section (Cont.)

b. Sample Person Data (Cont.)

Tape Positions

Did he/she work at any time last week or the week before not counting work around the house?.....	69
Even though he/she did not work during that time, 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 working for 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
Unused positions.....	82-90

c. Household Data

How many rooms are in this.....? Count the kitchen, but not the bathroom.....	91
How many bedrooms are in this.....?.....	92
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? (Asked only of unrelated household members.).....	93
Do you (have/have access to) complete kitchen facilities in this house, that is, a kitchen sink with piped water, a refrigerator and a range or cookstove?.....	94
Do you (have/have access to) a range or cookstove?.....	95
Do you (have/have access to) a refrigerator?.....	96
Do you (have/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(s)?.....	106
Which of these income groups represents your total combined family income for the past 12 months?.....	107-108

1. Demographic Section (Cont.)

c. Household 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
Unused position.....	114
If yes, how much?.....	115-118
Welfare payments or other public assistance?.....	119
Unused position.....	120
If yes, how much?.....	121-124
Unemployment compensation or workmen's compensation?.....	125
Unused position.....	126
If yes, how much?.....	127-130
Government employee pension or private pensions?.....	131
Unused position.....	132
If yes, how much?.....	133-136
Dividends, interest or rent?.....	137
Unused position.....	138
If yes, how much?.....	139-142
Net income from their own business (nonfarm), professional practice, or partnership?.....	143
Unused position.....	144
If yes, how much?.....	145-148
Net income from a farm?.....	149
Unused position.....	150
If yes, how much?.....	151-154
Veteran's payments?.....	155
Unused position.....	156
If yes, how much?.....	157-160
Alimony, child support contributions from persons not living in household?.....	161
Unused position.....	162
If yes, how much?.....	163-166
Any other income?.....	167
Unused position.....	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 aren't participating in the program?.....	180
Are you certified for the commodity distribution program?....	181

1. Demographic Section (Cont.)

c. Household 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
Unused positions.....	192-205
Race sex recode for sample person.....	206
Farm, non-farm recode for sample person.....	207
Interview status.....	208
Region.....	209
Poverty index.....	210-212
Unused positions.....	213-246

d. Head of Household Data

Age years at interview.....	247-248
Unused positions.....	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 now married, widowed, divorced, separated or never married?.....	259
National 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 a job or business during the past three months?.....	267
When he/she work was working, did he/she usually work full or part time?.....	268
Did he/she work at any time last week before not counting work around the house?..	269
Even though he/she did not work during that time 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
Type of industry or business.....	273-275
What kind of work was he/she doing?.....	276-278
Was he/she an employee of a private company, 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

<u>2. Sample Weight Positions</u>	<u>Tape Positions</u>
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
Unused positions.....	318-323
Strata.....	324-325
Pseudo Primary Sampling Units.....	326
Poverty/NonPoverty Segments.....	327
Unused positions.....	328-400

C. USE OF SPECIAL TERMS

For the demographic data, the term "blank, but applicable", is used to indicate a data item that was to have a response for a sample person but for which no usable data were provided. This includes unanswered data fields, as well as those containing impossible entries: i.e., out-of-range or inconsistent with other entries. The term "blank" refers to data items where the sample person was not supposed to respond to the question.

The notation "see detailed note" is intended to refer the user to the section Detailed Notes. In this section, a comprehensive description of the field is given.

D. TAPE DESCRIPTION

1. DEMOGRAPHIC DATA

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
--	----------------

a. RESIDENCE DATA IN POSITIONS 001-034

POS. 001-005	SAMPLE SEQUENCE NUMBER	
	00058-27796.....	10,450
POS. 006-009	CATALOG NUMBER	
	5371.....	10,450
POS. 010	UNUSED POSITION	
POS. 011	SIZE OF PLACE (SEE DETAILED NOTE)	
	1=URBANIZED AREA WITH 3,000,000 OR MORE.....	1,328
	2=URBANIZED AREA 1,000,000 TO 2,999,999.....	1,347
	3=URBANIZED AREA WITH 250,000 TO 999,999.....	1,260
	4=URBANIZED AREA UNDER 250,000.....	918
	5=URBAN PLACE 25,000 OR MORE OUTSIDE URBANIZED AREA.....	427
	6=URBAN PLACE 10,000-24,999 OUTSIDE URBANIZED AREA.....	441
	7=URBAN PLACE 2,500-9,999 OUTSIDE URBANIZED AREA.....	866
	8=RURAL.....	3,863
POS. 012	SMSA-NOT SMSA (SEE DETAILED NOTE)	
	1=IN SMSA, IN CENTRAL CITY.....	2,852
	2=IN SMSA, NOT IN CENTRAL CITY.....	2,890
	4=NOT IN SMSA.....	4,708
POS. 013-023	UNUSED POSITIONS	

TAPE POSITION, ITEM DESCRIPTION, AND CODES		CONTROL COUNTS
POS. 024	TYPE OF LIVING QUARTERS (QUES. 7)	
	1=HOUSING UNIT.....	10,419
	2=OTHER UNIT.....	31
POS. 025	LAND USAGE (QUES. 9)	
	1=URBAN.....	6,597
	2=RURAL.....	3,853
POS. 026	IF RURAL, ASKED DOES THIS PLACE HAVE 10 ACRES OR MORE? (QUES. 11A)	
	1=YES.....	896
	2=NO.....	2,957
	9=NOT APPLICABLE.....	6,597
POS. 027	IF 10 ACRES OR MORE, ASKED IF IN THE PAST 12 MONTHS DID SALES OF FARM PRODUCTS AND LIVE STOCK AMOUNT TO \$50 OR MORE? (QUES. 11B)	
	1=YES.....	531
	2=NO.....	365
	9=NOT APPLICABLE.....	9,554
POS. 028	IF LESS THAN 10 ACRES, ASKED IF IN THE PAST 12 MONTHS DID SALES OF FARM PRODUCTS AND LIVE STOCK AMOUNT TO \$250 OR MORE? (QUES. 11C)	
	1=YES.....	103
	2=NO.....	2,854
	9=NOT APPLICABLE.....	7,493
POS. 029	UNUSED POSITION	
POS. 030-031	TOTAL NUMBER OF PERSONS IN HOUSEHOLD	
	01-15 AS GIVEN.....	10,450

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 032-033 TOTAL NUMBER OF SAMPLE PERSONS IN FAMILY	
01-06 AS GIVEN.....	10,450
POS. 034 UNUSED POSITION	
b. <u>SAMPLE PERSON DATA IN POSITIONS 035-081</u>	
POS. 035 FAMILY RELATIONSHIP	
1=HEAD, ONE PERSON LIVING ALONE OR WITH NON-RELATIVES....	1,694
2=HEAD, TWO OR MORE RELATED PERSONS IN FAMILY.....	4,676
3=WIFE.....	3,525
4=CHILD.....	242
5=OTHER RELATIVE.....	302
6=FOSTER CHILD.....	3
7=HUSBAND.....	8
POS. 036 EXAMINATION STATUS	
1=EXAMINED.....	10,450
2=NOT EXAMINED.....	0
POS. 037-041 FAMILY UNIT SEQUENCE NUMBER (SEE DETAILED NOTE)	
00001-21050 AS GIVEN.....	10,450
POS. 042-046 UNUSED POSITIONS	
POS. 047-048 AGE-YEARS (AT INTERVIEW) (QUES. 3)	
00- IF LESS THAN 12 MONTHS.....	0
01-11 YEARS.....	0
25-74 YEARS.....	10,450

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 049-050 UNUSED POSITIONS	
POS. 051-052 DATE OF BIRTH-MONTH (QUES. 2)	
01-12 MONTH.....	10,450
88=BLANK, BUT APPLICABLE.....	0
POS. 053-054 DATE OF BIRTH-YEAR (QUES. 2)	
01-73 YEAR.....	10,450
POS. 055 SEX (QUES. 4)	
1=MALE.....	4,928
2=FEMALE.....	5,522
POS. 056 RACE (QUES. 5) (SEE DETAILED NOTE)	
1=WHITE.....	9,096
2=BLACK.....	1,163
3=OTHER.....	191
POS. 057-058 IN WHAT STATE WAS HE/SHE BORN? (QUES. 6) (SEE DETAILED NOTE)	
01-97.....	10,450
88=BLANK, BUT APPLICABLE.....	0
POS. 059 IS HE/SHE NOW MARRIED, WIDOWED, DIVORCED, SEPARATED, OR NEVER MARRIED? (QUES. 7)	
1=UNDER 17.....	0
2=MARRIED.....	7,600
3=WIDOWED.....	1,145
4=DIVORCED.....	622
5=SEPARATED.....	296
6=NEVER MARRIED.....	758
8=BLANK, BUT APPLICABLE.....	29

TAPE POSITION, ITEM DESCRIPTION, AND CODES		CONTROL COUNTS
POS. 060-061 NATIONAL ORIGIN OR ANCESTRY (QUES. 8)		
01=COUNTRIES OF CENTRAL OR SOUTH AMERICA.....		48
02=CHICANO.....		5
03=CUBAN.....		65
04=MEXICAN.....		99
05=MEXICANO.....		32
06=MEXICAN-AMERICAN.....		102
07=PUERTO RICAN.....		75
08=OTHER SPANISH.....		45
09=OTHER EUROPEAN, SUCH AS GERMAN, FRENCH, ENGLISH, IRISH...		7,778
10=BLACK, NEGRO OR AFRO-AMERICAN.....		1,120
11=AMERICAN INDIAN OR ALASKAN NATIVE.....		137
12=ASIAN OR PACIFIC ISLANDER SUCH AS CHINESE, JAPANESE, KOREAN, PHILIPPINO, SAMOAN.....		173
13=ANOTHER GROUP NOT LISTED.....		532
88=BLANK, BUT APPLICABLE.....		239
POS. 062-063 WHAT WAS THE HIGHEST GRADE OR YEAR OF SCHOOL HE/SHE HAS EVER ATTENDED? (QUES. 9A)		
00=NONE (REGARDLESS OF AGE).....		97
21-28=ELEMENTARY GRADES (1-8).....		2,350
31-34=HIGH SCHOOL (1-4).....		5,088
41-45=COLLEGE (1-5+).....		2,814
88=BLANK, BUT APPLICABLE.....		101
POS. 064 DID HE/SHE FINISH THE GRADE YEAR? (QUES. 9B)		
1=YES.....		8,072
2=NO.....		2,053
8=BLANK, BUT APPLICABLE.....		228
BLANK.....		97

TAPE POSITION, ITEM DESCRIPTION, AND CODES		CONTROL COUNTS
POS. 065 WHAT WAS HE/SHE DOING DURING MOST OF THE PAST 12 MONTHS? (QUES. 10A)		
1=WORKING.....		5,522
2=KEEPING HOUSE.....		3,153
3=SOMETHING ELSE.....		1,736
8=BLANK, BUT APPLICABLE.....		39
POS. 066 WHAT WAS HE/SHE DOING? (QUES. 10B)		
1=LAYOFF.....		19
2=RETIRED.....		1,177
3=STUDENT.....		80
4=ILL.....		61
5=STAYING HOME.....		77
6=LOOKING FOR WORK.....		59
7=UNABLE TO WORK.....		214
8=BLANK, BUT APPLICABLE.....		39
0=OTHER.....		49
BLANK.....		8,675
POS. 067 DID HE/SHE WORK AT A JOB OR BUSINESS AT ANY TIME DURING THE PAST THREE MONTHS? (QUES. 10C)		
1=YES.....		517
2=NO.....		4,372
8=BLANK, BUT APPLICABLE.....		39
BLANK.....		5522
POS. 068 WHEN HE/SHE WAS WORKING, DID HE/SHE USUALLY WORK FULL OR PART TIME? (QUES. 10D)		
1=FULL TIME.....		5,024
2=PART TIME.....		1,015
8=BLANK, BUT APPLICABLE.....		39
BLANK.....		4,372

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 069 DID HE/SHE WORK AT ANY TIME LAST WEEK OR THE WEEK BEFORE NOT COUNTING WORK AROUND THE HOUSE? (QUES. 11A)	
1=YES.....	5,466
2=NO.....	573
8=BLANK, BUT APPLICABLE.....	39
BLANK.....	4,372
POS. 070 EVEN THOUGH HE/SHE DID NOT WORK DURING THAT TIME, DOES HE/SHE HAVE A JOB OR BUSINESS? (QUES. 11B)	
1=YES.....	313
2=NO.....	4,632
8=BLANK, BUT APPLICABLE.....	39
BLANK.....	5,466
POS. 071 WAS HE/SHE LOOKING FOR WORK OR ON LAYOFF FROM A JOB? (QUES. 11C)	
1=YES.....	297
2=NO.....	4,648
8=BLANK, BUT APPLICABLE.....	39
BLANK.....	5,466
POS. 072 WHICH-LOOKING FOR WORK OR ON LAYOFF FROM A JOB? (QUES. 11D)	
1=LOOKING.....	202
2=LAYOFF.....	76
3=BOTH.....	19
8=BLANK, BUT APPLICABLE.....	39
BLANK.....	10,114
POS. 073-075 WHAT KIND OF INDUSTRY OR BUSINESS IS THIS? (QUES. 12B) (SEE DETAILED NOTE)	
017-937 (LAST DIGIT 7,8,9).....	63
000=BLANK, BUT APPLICABLE.....	6,009
BLANK.....	4,378

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 076-078 WHAT KIND OF WORK WAS HE/SHE DOING? (QUES. 12C) (SEE DETAILED NOTE)	
001-985=OCCUPATION (LAST DIGIT 0-6).....	6,001
000=BLANK, BUT APPLICABLE.....	71
BLANK.....	4,378
POS. 079 WAS HE/SHE AN EMPLOYEE OF A PRIVATE COMPANY, BUSINESS, OR INDIVIDUAL FOR WAGES, SALARY, OR COMMISSION? (QUES. 12E)	
1=PRIVATE.....	3,969
2=A FEDERAL GOVT EMPLOYEE.....	229
3=A STATE GOVT EMPLOYEE.....	345
4=A LOCAL GOVT EMPLOYEE.....	539
5=INCORPORATED-OWN.....	135
6=SELF EMPLOYED (OR FARM).....	739
7=WORKING WITHOUT PAY IN FAMILY BUSINESS OR FARM.....	55
8=NEVER WORKED.....	5
0=BLANK, BUT APPLICABLE.....	56
BLANK.....	4,378
POS. 080 DID HE/SHE EVER SERVE IN THE ARMED FORCES OF THE UNITED STATES? (QUES. 13A)	
1=YES.....	2,165
2=NO.....	8,084
8=BLANK, BUT APPLICABLE.....	201
POS. 081 WHEN DID HE/SHE SERVE? (QUES. 13B)	
1=VIETNAM.....	502
2=KOREAN WAR.....	283
3=WORLD WAR II.....	1,101
4=WORLD WAR I.....	3
5=POST VIETNAM.....	3
6=OTHER SERVICE.....	251
8=BLANK, BUT APPLICABLE.....	201
9=DO NO KNOW.....	22
BLANK.....	8,084
POS. 082-090 UNUSED POSITIONS	

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
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c. HOUSEHOLD DATA IN POSITIONS 091-212

POS. 091	HOW MANY ROOMS ARE IN THIS...? COUNT THE KITCHEN, BUT NOT THE BATHROOM. (QUES. 14A)	
	1-8 ROOMS.....	9,852
	9-9 OR MORE ROOMS.....	598
POS. 092	HOW MANY BEDROOMS ARE IN THIS...? (QUES. 14B)	
	0-7 BEDROOMS - MORE THAN 7 BEDROOMS CODED AS 7.....	10,450
POS. 093	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? ASKED ONLY OF UNRELATED HOUSEHOLD MEMBERS. (QUES. 14C)	
	1=YES.....	59
	2=NO.....	54
	BLANK.....	10,337
POS. 094	DO YOU (HAVE/HAVE ACCESS TO) COMPLETE KITCHEN FACILITIES IN THIS HOUSE, THAT IS, A KITHCEN SINK WITH PIPED WATER, A REFRIGERATOR AND A RANGE OR COOKSTOVE? (QUES. 15A)	
	1=YES.....	10,239
	2=NO.....	112
	8=BLANK, BUT APPLICABLE.....	40
	BLANK.....	59
POS. 095	DO YOU (HAVE/HAVE ACCESS TO) A RANGE OR COOKSTOVE? (QUES. 15B)	
	1=YES.....	78
	2=NO.....	34
	8=BLANK, BUT APPLICABLE.....	40
	BLANK.....	10,298

TAPE POSITION, ITEM DESCRIPTION, AND CODES		CONTROL COUNTS
POS. 096	DO YOU (HAVE/HAVE ACCESS TO) A REFRIGERATOR? (QUES. 15B)	
	1=YES.....	78
	2=NO.....	34
	8=BLANK, BUT APPLICABLE.....	40
	BLANK.....	10,298
POS. 097	DO YOU (HAVE/HAVE ACCESS TO) A SINK WITH PIPED WATER? (QUES. 15B)	
	1=YES.....	30
	2=NO.....	82
	8=BLANK, BUT APPLICABLE.....	40
	BLANK.....	10,298
POS. 098	IS THERE PIPED WATER IN THIS HOUSE (THESE LIVING QUARTERS)? (QUES. 15C)	
	1=YES.....	12
	2=NO.....	70
	8=BLANK, BUT APPLICABLE.....	40
	BLANK.....	10,328
POS. 099	IS THERE BOTH HOT AND COLD WATER? (QUES. 15D)	
	1=YES.....	39
	2=NO.....	3
	8=BLANK, BUT APPLICABLE.....	40
	BLANK.....	10,368
POS. 100	ARE THESE KITCHEN FACILITIES USED BY ANYONE NOT LIVING IN THIS HOUSEHOLD? (QUES. 15E)	
	1+YES.....	142
	2=NO.....	10,097
	8=BLANK, BUT APPLICABLE.....	40
	BLANK.....	171

POS. 101-102 WHAT IS THE MAIN TYPE OF HEATING SYSTEM
YOU HAVE? (QUES. 16)

11=STEAM OR HOT WATER SYSTEM.....	1,685
12=CENTRAL WARM AIR FURNACE WITH DUCTS TO INDIVIDUAL ROOM OR CENTRAL HEAT PUMP (FORCED AIR).....	5,041
13=BUILT IN ELECTRIC UNITS (PERMANENTLY INSTALLED IN WALL, CEILING, OR BASEBOARD).....	596
14=FLOOR, WALL OR PIPELESS FURNACE.....	842
15=CIRCULATING, RADIANT OR ROOM HEATERS, WITH FLUE OR VENT, BURNING GAS, OIL OR KEROSENE.....	945
16=CIRCULATING, RADIANT, OR ROOM HEATERS (NOT PORTABLE) WITHOUT FLUE OR VENT BURNING GAS, OIL, OR KEROSENE....	390
17=FIREPLACE OR STOVES BURNING COAL, WOOD, OR COKE.....	374
18=PORTABLE ROOM HEATERS OF ANY KIND.....	213
19=SOME OTHER TYPE.....	153
20=NONE, UNIT IS NOT HEATED.....	138
88=BLANK, BUT APPLICABLE.....	73

POS. 103 DO YOU HAVE AIR CONDITIONING? (QUES. 17)

1=YES, INDIVIDUAL ROOM UNIT.....	3,342
2=YES, CENTRAL AIR CONDITIONING.....	1,984
3=NO.....	5,071
8=BLANK, BUT APPLICABLE.....	53

POS. 104 HOW MANY MOTOR VEHICLES ARE OWNED OR REGULARLY
USED FOR TRANSPORTATION BY MEMBERS OF YOUR FAMILY?
(QUES. 18)

0=NONE.....	1,153
1-8 VEHICLES (MORE THAN 8 CODED AS 8)	9,217
9=BLANK, BUT APPLICABLE.....	80

POS. 105 IS ANY LANGUAGE OTHER THAN ENGLISH FREQUENTLY
SPOKEN BY FAMILY MEMBERS LIVING HERE? (QUES. 19A)

1=YES.....	969
2=NO.....	9,431
8=BLANK, BUT APPLICABLE.....	50

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS

POS. 106 WHAT LANGUAGE(S)? (QUES. 19B)	
0=GERMAN.....	58
1=ITALIAN.....	75
2=FRENCH.....	124
3=POLISH.....	41
4=RUSSIAN.....	14
5=SPANISH.....	425
6=CHINESE.....	22
7=OTHER LANGUAGE.....	203
8=BLANK, BUT APPLICABLE.....	57
9=NOT APPLICABLE.....	9,431
POS. 107-108 WHICH OF THESE INCOME GROUPS REPRESENTS YOUR TOTAL COMBINED FAMILY INCOME FOR THE PAST 12 MONTHS? (QUES. 20) (SEE DETAILED NOTE)	
11= UNDER \$ 1,000.....	84
12=\$ 1,000-\$ 1,999.....	175
13=\$ 2,000-\$ 2,999.....	422
14=\$ 3,000-\$ 3,999.....	489
15=\$ 4,000-\$ 4,999.....	448
16=\$ 5,000-\$ 5,999.....	403
17=\$ 6,000-\$ 6,999.....	293
18=\$ 7,000-\$ 9,999.....	1,874
19=\$10,000-\$14,999.....	1,969
20=\$15,000-\$19,999.....	1,547
21=\$20,000-\$24,999.....	1,052
22=\$25,000 AND OVER.....	1,280
88=BLANK, BUT APPLICABLE.....	414
POS. 109-112 DURING THE PAST 12 MONTHS, HOW MUCH MONEY DID YOU AND ALL MEMBERS OF YOUR FAMILY RECEIVE IN WAGES OR SALARIES BEFORE DEDUCTIONS? (QUES. 21)	
0000-6999=AMOUNT.....	2,226
8888=BLANK, BUT APPLICABLE.....	502
BLANK.....	7,722

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TAPE POSITION, ITEM DESCRIPTION, AND CODES		CONTROL
-----		COUNTS
-----		-----
POS. 113	SOCIAL SECURITY OR RAILROAD RETIREMENT? (QUES. 22A)	
	1=YES.....	1,487
	2=NO.....	867
	8=BLANK, BUT APPLICABLE.....	374
	BLANK.....	7,722
POS. 114	UNUSED POSITION	
POS. 115-118	IF YES, HOW MUCH?	
	0038-6828=AMOUNT.....	1,412
	8888=BLANK, BUT APPLICABLE.....	449
	BLANK.....	8,589
POS. 119	WELFARE PAYMENTS OR OTHER PUBLIC ASSISTANCE? (QUES. 22B)	
	1=YES.....	424
	2=NO.....	1,936
	8=BLANK, BUT APPLICABLE.....	368
	BLANK.....	7,722
POS. 120	UNUSED POSITION	
POS. 121-124	IF YES, HOW MUCH?	
	0012-6800=AMOUNT.....	411
	8888=BLANK, BUT APPLICABLE.....	381
	BLANK.....	9,658
POS. 125	UNEMPLOYMENT COMPENSATION OR WORKMEN'S COMPENSATION (QUES. 22C)	
	1=YES.....	138
	2=NO.....	2,224
	8=BLANK, BUT APPLICABLE.....	366
	BLANK.....	7,722

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL
-----	COUNTS
-----	-----
POS. 126 UNUSED POSITION	
POS. 127-130 IF YES, HOW MUCH?	
0015-5640=AMOUNT.....	117
8888=BLANK, BUT APPLICABLE.....	387
BLANK.....	9,946
POS. 131 GOVERNMENT EMPLOYEE PENSION OR PRIVATE PENSIONS? (QUES. 22D)	
1=YES.....	244
2=NO.....	2,114
8=BLANK, BUT APPLICABLE.....	370
BLANK.....	7,722
POS. 132 UNUSED POSITION	
POS. 133-136 IF YES, HOW MUCH?	
0036-6000=AMOUNT.....	223
8888=BLANK, BUT APPLICABLE.....	391
BLANK.....	9,836
POS. 137 DIVIDENDS, INTEREST, OR RENT? (QUES. 22E)	
1=YES.....	368
2=NO.....	1,984
8=BLANK, BUT APPLICABLE.....	376
BLANK.....	7,722
POS. 138 UNUSED POSITION	
POS. 139-142 IF YES, HOW MUCH?	
0001-5200=AMOUNT.....	336
8888=BLANK, BUT APPLICABLE.....	408
BLANK.....	9,706

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TAPE POSITION, ITEM DESCRIPTION, AND CODES		CONTROL
-----		COUNTS
-----		-----
POS. 143	NET INCOME FROM THEIR OWN NONFARM BUSINESS, PROFESSIONAL PRACTICE, OR PARTNERSHIP? (QUES. 22F)	
	1=YES.....	113
	2=NO.....	2,232
	3=LOSS.....	11
	8=BLANK, BUT APPLICABLE.....	372
	BLANK.....	7,722
POS. 144	UNUSED POSITION	
POS. 145-148	IF YES, HOW MUCH?	
	0090-6500=AMOUNT.....	101
	8888=BLANK, BUT APPLICABLE.....	395
	BLANK.....	9,954
POS. 149	NET INCOME FROM A FARM? (QUES. 22G)	
	1=YES.....	94
	2=NO.....	2,240
	3=LOSS.....	19
	8=BLANK, BUT APPLICABLE.....	375
	BLANK.....	7,722
POS. 150	UNUSED POSITION	
POS. 151-154	IF YES, HOW MUCH?	
	0000-6500=AMOUNT.....	94
	8888=BLANK, BUT APPLICABLE.....	394
	BLANK.....	9,962
POS. 155	VETERAN'S PAYMENTS? (QUES. 22H)	
	1=YES.....	187
	2=NO.....	2,171
	8=BLANK, BUT APPLICABLE.....	370
	BLANK.....	7,722

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 156 UNUSED POSITION	
POS. 157-160 IF YES, HOW MUCH?	
0060-4116=AMOUNT.....	176
8888=BLANK, BUT APPLICABLE.....	381
BLANK.....	9,893
POS. 161 ALIMONY, CHILD SUPPORT, OR CONTRIBUTIONS FROM PERSONS NOT LIVING IN HOUSEHOLD? (QUES. 22I)	
1=YES.....	73
2=NO.....	2,284
8=BLANK, BUT APPLICABLE.....	371
BLANK.....	7,722
POS. 162 UNUSED POSITION	
POS. 163-166 IF YES, HOW MUCH?	
0020-6900=AMOUNT.....	67
8888=BLANK, BUT APPLICABLE.....	377
BLANK.....	10,006
POS. 167 ANY OTHER INCOME? (QUES. 22J)	
1=YES.....	104
2=NO.....	2,253
8=BLANK, BUT APPLICABLE.....	371
BLANK.....	7,722
POS. 168 UNUSED POSITION	
POS. 169-172 IF YES, HOW MUCH?	
0003-6403=AMOUNT.....	97
8888=BLANK, BUT APPLICABLE.....	378
BLANK.....	9,975

POS. 173-176 TOTAL AMOUNT (QUES. 21 & 22)

0001-6988=AMOUNT.....	2,107
8888=BLANK, BUT APPLICABLE.....	621
BLANK.....	7,722

POS. 177 CHECK ITEM B

2=FOOD STAMPS AVAILABLE.....	10,327
4=BOTH FOOD STAMPS AND COMMODITIES.....	123

POS. 178 ARE YOU CERTIFIED TO PARTICIPATE IN THE FOOD STAMP PROGRAM? (QUES. 23A)

1=YES.....	772
2=NO.....	9,090
8=BLANK, BUT APPLICABLE.....	3
9=DON'T KNOW.....	585

POS. 179 ARE YOU BUYING FOOD STAMPS NOW? (QUES. 23B)

1=YES, REGULARLY.....	539
2=YES, OCCASIONALLY.....	34
3=NO.....	188
8=BLANK, BUT APPLICABLE.....	14
BLANK.....	9,675

POS. 180 WHAT IS THE MAIN REASON YOU AREN'T PARTICIPATING IN THE PROGRAM? (QUES. 23C)

1=NO NEED.....	28
2=NOT ENOUGH MONEY AT THE TIME.....	39
3=NO TRANSPORTATION.....	7
4=PRIDE.....	14
5=OTHER.....	87
8=BLANK, BUT APPLICABLE.....	27
BLANK.....	10,248

-----		-----
TAPE POSITION, ITEM DESCRIPTION, AND CODES		CONTROL
-----		COUNTS
-----		-----
POS. 181	ARE YOU CERTIFIED FOR THE COMMODITY DISTRIBUTION PROGRAM? (QUES. 24A)	
	1=YES.....	2
	2=NO.....	113
	9=DO NOT KNOW.....	8
	BLANK.....	10,327
POS. 182	ARE YOU RECEIVING COMMODITY FOODS NOW FOR YOUR FAMILY? (QUES. 24B)	
	1=YES, REGULARLY.....	0
	2=YES, OCCASIONALLY.....	0
	3=NO.....	2
	BLANK.....	10,448
POS. 183	WHY AREN'T YOU PARTICIPATING IN THE PROGRAM? (QUES. 24C)	
	1=NO NEED.....	2
	2=NO TRANSPORTATION.....	0
	3=PRIDE.....	0
	8=BLANK, BUT APPLICABLE.....	0
	4=OTHER.....	0
	BLANK.....	10,448
POS. 184-185	CONTROL RECORD - DATE OF EXAM MONTH	
	01-12.....	10,450
POS. 186-187	CONTROL RECORD - DATE OF EXAM DAY	
	01-31.....	10,450
POS. 188-189	CONTROL RECORD - DATE OF EXAM YEAR	
	76-80.....	10,450

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 190-191 AGE IN YEARS (AT EXAMINATION)	
25-74 YEARS.....	10,450
POS. 192-205 UNUSED POSITIONS	
POS. 206 RACE SEX RECODE FOR SAMPLE PERSON (SEE DETAILED NOTE FOR POS. 056)	
1=MALE, WHITE.....	4,302
2=MALE, BLACK.....	528
3=MALE, OTHER.....	98
4=FEMALE, WHITE.....	4,794
5=FEMALE, BLACK.....	635
6=FEMALE, OTHER.....	93
POS. 207 FARM, NON-FARM RECODE FOR SAMPLE PERSON (SEE DETAILED NOTE)	
1=FARM.....	634
2=NON-FARM.....	9,816
POS. 208 INTERVIEW STATUS	
1=INTERVIEWED.....	10,450
POS. 209 REGION (SEE DETAILED NOTE)	
1=NORTHEAST.....	2,375
2=MIDWEST.....	2,715
3=SOUTH.....	2,841
4=WEST.....	2,519
POS. 210-212 POVERTY INDEX (X.XX) (SEE DETAILED NOTE)	
001-880 AS GIVEN.....	10,035
999-UNKNOWN.....	415
POS. 213-246 UNUSED POSITIONS	

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TAPE POSITION, ITEM DESCRIPTION, AND CODES		CONTROL
-----		COUNTS
-----		-----
d. <u>HEAD OF HOUSEHOLD DATA IN POSITIONS 247-281</u>		
POS. 247-248	AGE YEARS AT INTERVIEW (QUES. 3)	
	25-74 YEARS (100 OR MORE CODED AS 99).....	10,450
POS. 249-250	UNUSED POSITIONS	
POS. 251-252	DATE OF BIRTH-MONTH (QUES. 2)	
	01-12 MONTH.....	10,435
	88=BLANK, BUT APPLICABLE.....	15
POS. 253-254	DATE OF BIRTH-YEAR	
	00-99 YEAR	10,450
	88=BLANK, BUT APPLICABLE.....	0
POS. 255	SEX (QUES. 4)	
	1=MALE.....	8,540
	2=FEMALE.....	1,910
POS. 256	RACE (QUES. 5) (SEE DETAILED NOTE FOR POS. 056)	
	1=WHITE.....	9,102
	2=BLACK.....	1,164
	3=OTHER.....	184
POS. 257-258	IN WHAT STATE WAS HE/SHE BORN? (QUES. 6)	
	(SEE DETAILED NOTE FOR POS. 057-058)	
	01-97.....	10,450
	88=BLANK, BUT APPLICABLE.....	0

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TAPE POSITION, ITEM DESCRIPTION, AND CODES		CONTROL
-----		COUNTS
-----		-----
POS. 259	IS HE/SHE NOW MARRIED, WIDOWED, DIVORCED, SEPARATED, OR NEVER MARRIED? (QUES. 7)	
	1=UNDER 17.....	0
	2=MARRIED.....	7,782
	3=WIDOWED.....	1,154
	4=DIVORCED.....	590
	5=SEPARATED.....	287
	6=NEVER MARRIED.....	614
	8=BLANK, BUT APPLICABLE.....	23
POS. 260-261	NATIONAL ORIGIN OR ANCESTRY? (QUES. 8)	
	01=COUNTRIES OF CENTRAL OR SOUTH AMERICA.....	51
	02=CHICANO.....	7
	03=CUBAN.....	64
	04=MEXICAN.....	91
	05=MEXICANO.....	35
	06=MEXICAN-AMERICAN.....	97
	07=PUERTO RICAN.....	79
	08=OTHER SPANISH.....	39
	09=OTHER EUROPEAN, SUCH AS GERMAN, FRENCH, ENGLISH, IRISH... ..	7,829
	10=BLACK, NEGRO OR AFRO-AMERICAN.....	1,120
	11=AMERICAN INDIAN OR ALASKAN NATIVE.....	137
	12=ASIAN OR PACIFIC ISLANDER SUCH AS CHINESE, JAPANESE, KOREAN, PHILIPPINO,.....	160
	13=ANOTHER GROUP NOT LISTED.....	513
	88=BLANK, BUT APPLICABLE.....	228
POS. 262-263	WHAT WAS THE HIGHEST GRADE OR YEAR OF SCHOOL HE/SHE HAS EVER ATTENDED (QUES. 9A)	
	00=NONE (REGARDLESS OF AGE).....	90
	21-28=ELEMENTARY GRADES (1-8).....	2,576
	31-34=HIGH SCHOOL (1-4).....	4,712
	41-45=COLLEGE (1-5+).....	2,970
	88=BLANK, BUT APPLICABLE.....	102
POS. 264	DID HE/SHE FINISH THE GRADE YEAR? (QUES. 9B)	
	1=YES.....	7,925
	2=NO.....	2,210
	8=BLANK, BUT APPLICABLE.....	225
	BLANK.....	90

POS. 265 WHAT WAS HE/SHE DOING MOST OF THE PAST 12 MONTHS?
(QUES. 10A)

1=WORKING.....	6,732
2=KEEPING HOUSE.....	1,003
3=SOMETHING ELSE.....	2,683
8=BLANK, BUT APPLICABLE.....	32
BLANK.....	0

POS. 266 WHAT WAS HE/SHE DOING? (QUES. 10B)

1=LAYOFF.....	54
2=RETIRED.....	30
3=STUDENT.....	2,027
4=ILL.....	67
5=STAYING HOME.....	79
6=LOOKING FOR WORK.....	75
7=UNABLE TO WORK.....	59
8=BLANK, BUT APPLICABLE.....	292
0=OTHER.....	32
BLANK.....	7,735

POS. 267 DID HE/SHE WORK AT A JOB OR BUSINESS DURING THE
PAST THREE MONTHS? (QUES. 10C)

1=YES.....	331
2=NO.....	3,355
8=BLANK, BUT APPLICABLE.....	32
BLANK.....	6,732

POS. 268 WHEN HE/SHE WAS WORKING, DID HE/SHE USUALLY WORK
FULL OR PART TIME? (QUES. 10D)

1=FULL TIME.....	6,312
2=PART TIME.....	751
8=BLANK, BUT APPLICABLE.....	32
BLANK.....	3,355

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 269 DID HE/SHE WORK AT ANY TIME LAST WEEK OR THE WEEK BEFORE NOT COUNTING WORK AROUND THE HOUSE? (QUES. 11A)	
1=YES.....	6,532
2=NO.....	531
8=BLANK, BUT APPLICABLE.....	32
BLANK.....	3,355
POS. 270 EVEN THOUGH HE/SHE DID NOT WORK DURING THAT TIME DOES HE/SHE HAVE A JOB OR BUSINESS? (QUES. 11B)	
1=YES.....	323
2=NO.....	3,563
8=BLANK, BUT APPLICABLE.....	32
BLANK.....	6,532
POS. 271 WAS HE/SHE LOOKING FOR WORK OR ON LAYOFF FROM A JOB? (QUES. 11C)	
1=YES.....	266
2=-NO.....	3,620
8=BLANK, BUT APPLICABLE.....	32
BLANK.....	6,532
POS. 272 WHICH-LOOKING FOR WORK OR ON LAYOFF FROM A JOB? (QUES. 11D)	
1=LOOKING.....	177
2=LAYOFF.....	69
3=BOTH.....	20
8=BLANK, BUT APPLICABLE.....	32
BLANK.....	10,152
POS. 273-275 WHAT KIND OF INDUSTRY OR BUSINESS IS THIS? " (QUES. 12B) (SEE DETAILED NOTE)	
017-998 (LAST DIGIT 7,8,9).....	7,028
000=BLANK, BUT APPLICABLE.....	93
BLANK.....	3,329

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS

POS. 276-278 WHAT KIND OF WORK WAS HE/SHE DOING? (QUES. 12C) (SEE DETAILED NOTE)	
001-992=OCCUPATION (LAST DIGIT 0-6).....	7026
000=BLANK, BUT APPLICABLE.....	95
BLANK.....	3,329
POS. 279 WAS HE/SHE AN EMPLOYEE OF A PRIVATE COMPANY, BUSINESS, OR INDIVIDUAL FOR WAGES, SALARY, OR COMMISSION? (QUES. 12E)	
1=PRIVATE.....	57
2=A FEDERAL GOVT EMPLOYEE.....	4,596
3=A STATE GOVT EMPLOYEE.....	314
4=A LOCAL GOVT EMPLOYEE.....	372
5=INCORPORATED-OWN.....	516
6=SELF-EMPLOYED (OR FARM).....	206
7=WORKING WITHOUT PAY IN FAMILY BUSINESS OR FARM.....	1,048
8=NEVER WORKED.....	9
0=BLANK, BUT APPLICABLE.....	3
BLANK.....	3,329
POS. 280 DID HE/SHE EVER SERVE IN THE ARMED FORCES OF THE UNITED STATES? (QUES. 13A)	
1=YES.....	3,801
2=NO.....	6,536
8=BLANK, BUT APPLICABLE.....	113
BLANK.....	0
POS. 281 WHEN DID HE/SHE SERVE? (QUES. 13B)	
1=VIETNAM.....	797
2=KOREAN WAR.....	548
3=WORLD WAR II.....	1,885
4=WORLD WAR I.....	46
5=POST VIETNAM.....	35
6=OTHER SERVICE.....	454
8=BLANK, BUT APPLICABLE.....	113
9=DO NOT KNOW.....	36
BLANK.....	6,536

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
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2. SAMPLE WEIGHT POSITIONS 282-317

(SEE DETAILED NOTE FOR POS. 282-317)

POS. 282-287 EXAMINED FINAL WEIGHT	
002000-079634.....	10,450
POS. 288-293 MEDICAL HISTORY INTERVIEW FINAL WEIGHT	
001468-071969.....	10,450
POS. 294-299 GLUCOSE TOLERANCE TEST FINAL EXAMINED WEIGHT	
003502-084477.....	5,197
000000.....	5,253
POS. 300-305 LEAD FINAL EXAMINED WEIGHT	
004398-084115.....	5,301
000000.....	5,149
POS. 306-311 CARBOXYHEMOGLOBIN FINAL EXAMINED WEIGHT	
003785-110759.....	5,149
000000.....	5,301
POS. 312-317 BILE ACIDS FINAL EXAMINED WEIGHT	
003519-087673.....	6,361
000000.....	4,089
POS. 318-323 UNUSED POSITIONS	

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 324-325 STRATA	
01-32.....	10,450
POS. 326 PSEUDO PRIMARY SAMPLING UNITS	
1=NON-POVERTY.....	5,355
2=POVERTY.....	5,095
POS. 327 POVERTY/NONPOVERTY SEGMENTS (SEE DETAILED NOTE)	
1=NON-POVERTY.....	5,090
2=POVERTY.....	5,360
POS. 328-400 UNUSED POSITIONS	

2. Chest X-Ray Examination Results

SUMMARY

	<u>Tape Positions</u>
Catalog number - 5252	401-404
 <u>Heart size</u>	
A1-A2.....	438-441
B1-B2.....	442-445
C1-C2.....	446-449
D1-D2.....	450-453
 <u>Pathology First Readings</u>	
Cardiopulmonary findings.....	458
Scoliosis.....	460
Rib fractures.....	462
Location of rib fractures.....	463
Minimum rib number right.....	464-465
Maximum rib number right.....	466-467
Minimum rib number left.....	468-469
Maximum rib number left.....	470-471
Healing status.....	472
Nipple shadows.....	473
Other extrapulmonary nodules.....	474
Intrapulmonary nodules.....	475
Size of largest.....	476-478
Location of largest.....	479
Specific lobe.....	480-481
Size of second largest.....	483-485
Location of second largest.....	486
Specific lobe.....	487-488
Number of nodules.....	490
Number of segments containing nodules.....	491
Are segments containing nodules contiguous?.....	492
Etiology of nodules.....	493

	<u>Tape</u> <u>Positions</u>
Localized segmental infiltrates.....	494
Location of infiltrates: Specific lobe.....	495-496
Diffuse nonsegmental nonhomogeneous infiltrates.....	498
Underlying condition.....	500
Diffuse homogeneous symmetrical infiltrates.....	501
Presumed etiology.....	502
Proportion or fraction of PA X-ray which appears normal.....	503
Other infiltrates.....	504
Emphysema.....	505
Blebs or bullae.....	506
Calcified nodes.....	507-508
Enlarged nodes.....	509
Pleural disease.....	510
Location of pleural disease.....	511
Presumed cause of effusion.....	512
Azygos vein.....	513
Locus of pulmonary artery enlargement.....	514-515
Enlargement of right heart.....	516
Cephalization of pulmonary vessels.....	517
Interstitial fluid.....	518
Kerley lines.....	519
Rosettes.....	520
Alveolar fluid.....	521
Enlargement of left heart.....	522
<u>Pathology Second Readings</u>	
Cardiopulmonary findings.....	523
Scoliosis.....	525
Rib fractures.....	527
Location of rib fractures.....	528
Minimum rib number right.....	529-530
Maximum rib number right.....	531-532
Minimum rib number left.....	533-534
Maximum rib number left.....	535-536
Healing status.....	537
Nipple shadows.....	538
Other extrapulmonary nodules.....	539

	<u>Tape</u> <u>Positions</u>
Intrapulmonary nodules.....	540
Size of largest.....	541-543
Location of largest.....	544
Specific lobe.....	545-546
Size of second largest.....	548-550
Location of second largest.....	551
Specific lobe.....	552-553
Number of nodules.....	555
Number of segments containing nodules.....	556
Are segments containing nodules contiguous?.....	557
Etiology of nodules.....	558
Localized segmental infiltrates.....	559
Location of infiltrates: Specific lobe.....	560-561
Diffuse nonsegmental nonhomogeneous infiltrates.....	563
Underlying condition.....	565
Diffuse homogeneous symmetrical infiltrates.....	566
Presumed etiology.....	567
Proportion or fraction of PA X-ray which appears abnormal.....	568
Other infiltrates.....	569
Emphysema.....	570
Blebs or bullae.....	571
Calcified nodes.....	572-573
Enlarged nodes.....	574
Pleural disease.....	575
Location of pleural disease.....	576
Presumed cause of effusion.....	577
Azygos vein enlarged.....	578
Locus of pulmonary artery enlargement.....	579-580
Enlargement of right heart.....	581
Cephalization of pulmonary vessels.....	582
Interstitial fluid.....	583
Kerley lines.....	584
Rosettes.....	585
Alveolar fluid.....	586
Enlargement of left heart.....	587
<u>Pathology Final Readings</u>	
Cardiopulmonary findings.....	588
Scoliosis.....	590
Rib fractures.....	592
Location of rib fractures.....	593
Minimum rib number right.....	594-595
Maximum rib number right.....	596-597
Minimum rib number left.....	598-599
Maximum rib number left.....	600-601
Healing status.....	602
Nipple shadows.....	603
Other extrapulmonary nodules.....	604

	<u>Tape</u> <u>Positions</u>
Intrapulmonary nodules.....	605
Size of largest.....	606-608
Location of largest.....	609
Specific lobe.....	610-611
Size of second largest.....	613-615
Location of second largest.....	616
Specific lobe.....	617-618
Number of nodules.....	620
Number of segments containing nodules.....	621
Are segments containing nodules contiguous?.....	622
Etiology of nodules.....	623
Localized segmental infiltrates.....	624
Location of infiltrates: Specific lobe.....	625-626
Diffuse nonsegmental nonhomogeneous infiltrates.....	628
Underlying condition.....	630
Diffuse homogeneous symmetrical infiltrates.....	631
Presumed etiology.....	632
Proportion or fraction of PA X-ray which appears abnormal.....	633
Other infiltrates.....	634
Emphysema.....	635
Blebs or bullae.....	636
Calcified nodes.....	637-638
Enlarged nodes.....	639
Pleural disease.....	640
Location of pleural disease.....	641
Presumed cause of effusion.....	642
Azygos vein enlarged.....	643
Locus of pulmonary artery enlargement.....	644-645
Enlargement of right heart.....	646
Cephalization of pulmonary vessels.....	647
Interstitial fluid.....	648
Kerley lines.....	649
Rosettes.....	650
Alveolar fluid.....	651
Enlargement of left heart.....	652

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

E. CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
	<u>CHEST X-RAY DATA</u>		
401-404	<u>Catalog Number</u> 5252	10450	See Detailed Notes
405-437	Blank		
	<u>HEART SIZE</u>		
438-441	<u>A1-A2 (cm)</u> (XX.XX - decimal not shown on tape) 0780 - 2333- As given 8888 - Blank, but applicable	9920 530	See Detailed Notes
442-445	<u>B1-B2 (cm)</u> (XX.XX - decimal not shown on tape) 1344 - 4021 - As given 8888 - Blank, but applicable	9922 528	See Detailed Notes
446-449	<u>C1-C2 (cm)</u> (XX.XX - decimal not shown on tape) 0917 - 2294 - As given 8888 - Blank, but applicable	10096 354	See Detailed Notes

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
450-453	<u>D1-D2 (cm)</u> (XX.XX - decimal not shown on tape) 0802 - 1936 - As given 8888 - Blank, but applicable	10099 351	See Detailed Notes
454-457	<u>Blank</u>		
<u>PATHOLOGY FIRST READINGS</u>			
458	<u>Cardiopulmonary findings</u> 1 - Findings 8 - Blank, but applicable 9 - No findings	3572 343 6535	See Detailed Notes
	<u>Thorax</u>		
459	Blank		
460	<u>Scoliosis</u> 1 - Present 8 - Blank, but applicable 9 - No findings	287 343 9820	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
461	Blank		
462	<u>Rib fractures</u>		
	1 - Present	223	
	8 - Blank, but applicable	343	
	9 - No findings	9884	
463	<u>Location</u>		
	1 - Right rib cage	111	
	2 - Left rib cage	97	
	3 - Both rib cages	15	
	8 - Blank, but applicable	343	
	9 - No findings	9884	
464-465	<u>Minimum rib number right</u>		
	01-10 - As given	126	
	88 - Blank, but applicable	343	
	99 - No findings	9981	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
466-467	<u>Maximum rib number right</u>		
	01-10 - As given	126	
	88 - Blank, but applicable	343	
	99 - No findings	9981	
468-469	<u>Minimum rib number left</u>		
	03-10 - As given	112	
	88 - Blank, but applicable	343	
	99 - No findings	9995	
470-471	<u>Maximum rib number left</u>		
	04-10 - As given	112	
	88 - Blank, but applicable	343	
	99 - No findings	9995	
472	<u>Healing status</u>		
	1 - Healed	214	
	8 - Blank, but applicable	344	
	9 - No findings	9892	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
473	<u>Nipple shadows</u>		
	1 - Present	217	
	8 - Blank, but applicable	343	
	9 - No findings	9890	
	<u>Nodules</u>		
474	<u>Other extrapulmonary nodules</u>		See Detailed Notes
	1 - Present	15	
	8 - Blank, but applicable	343	
	9 - No findings	10092	
475	<u>Intrapulmonary nodules</u>		
	1 - Present	1404	
	8 - Blank, but applicable	343	
	9 - No findings	8703	
476-478	<u>Size of largest (mm)</u>		
	001 - 070 - As given	1404	
	888 - Blank but applicable	343	
	999 - No findings	8703	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
479	<u>Location of largest</u>		See Detailed Notes
	1 - Right	755	
	2 - Left	649	
	8 - Blank, but applicable	343	
	9 - No findings	8703	
480-481	<u>Specific lobe</u>		See Detailed Notes
	Upper 01 - Apical	129	
	02 - Posterior	266	
	03 - Anterior	154	
	Middle 04 - Superior or lateral	148	
	05 - Inferior or medial	112	
	Lower 06 - Superior	132	
	07 - Medial	40	
	08 - Anterior	132	
	09 - Lateral	228	
	10 - Posterior	62	
	88 - Blank, but applicable	344	
	99 - No findings	8703	
482	Blank		
483-485	<u>Size of second largest (mm)</u>		
	001-028 - As given	438	
	888 - Blank, but applicable	343	
	999 - No findings	9669	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
486	<u>Location of second largest</u>		See Detailed Notes
	1 - Right	255	
	2 - Left	183	
	8 - Blank, but applicable	343	
	9 - No findings	9669	
487-488	<u>Specific lobe</u>		See Detailed Notes
	Upper 01 - Apical	46	
	02 - Posterior	70	
	03 - Anterior	50	
	Middle 04 - Superior or lateral	40	
	05 - Inferior or medial	36	
	Lower 06 - Superior	45	
	07 - Medial	5	
	08 - Anterior	40	
	09 - Lateral	70	
	10 - Posterior	35	
	88 - Blank, but applicable	344	
	99 - No findings	9669	
489	Blank		
490	<u>Number of nodules</u>		
	1 - One	966	
	2 - Two or more	438	
	8 - Blank, but applicable	343	
	9 - No findings	8703	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
491	<u>Number of segments containing nodules</u>		
	1-6 - As given	1326	
	7 - Greater than 6	48	
	8 - Blank, but applicable	373	
	9 - No findings	8703	
492	<u>Are segments containing nodules contiguous?</u>		See Detailed Notes
	1 - Yes	87	
	8 - Blank, but applicable	444	
	9 - No findings	9919	
493	<u>Etiology of nodules</u>		
	1 - Secondary to an infectious disease	1224	
	2 - Not secondary to an infectious disease	58	
	3 - Combination of 1 and 2	17	
	8 - Blank, but applicable	448	
	9 - No findings	8703	
	<u>Infiltrates</u>		
494	<u>Localized segmental infiltrates</u>		See Detailed Notes
	1 - Right	137	
	2 - Left	162	
	8 - Blank, but applicable	345	
	9 - No findings	9806	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
495-496	<u>Location of infiltrates:</u>		See Detailed Notes
	<u>Specific lobe</u>		
	Upper 01 - Apical 02 - Posterior 03 - Anterior Middle 04 - Superior or Lateral 05 - Inferior or Medial Lower 06 - Superior 07 - Medial 08 - Anterior 09 - Lateral 10 - Posterior 88 - Blank, but applicable 99 - No findings	27 12 9 17 39 12 10 23 121 29 345 9806	
497	Blank		
498	<u>Diffuse nonsegmental nonhomogeneous infiltrates</u>		See Detailed Notes
	1 - Minimal 2 - Moderate 3 - Moderate with cavitation 4 - Far advanced 5 - Far advanced with cavitation 8 - Blank, but applicable 9 - No findings	34 33 21 7 8 345 10002	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
499	Blank		
500	<u>Underlying condition</u>		
	1 - Granulomatous	66	
	2 - Other diseases	36	
	8 - Blank, but applicable	346	
	9 - No findings	10002	
501	<u>Diffuse homogeneous symmetrical infiltrates</u>		
	1 - Present	305	
	8 - Blank, but applicable	343	
	9 - No findings	9802	
502	<u>Presumed etiology</u>		
	1 - Congestive heart failure	44	
	2 - Pneumoconiosis	6	
	3 - Sarcoidosis	7	
	4 - Other	248	
	8 - Blank, but applicable	343	
	9 - No findings	9802	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
503	<u>Proportion or fraction of PA x-ray which appears abnormal</u>		
	1 - Less than 1/3	184	
	2 - 1/3 to 2/3	80	
	3 - Greater than 2/3	41	
	8 - Blank, but applicable	343	
	9 - No findings	9802	
504	<u>Other infiltrates</u>		
	1 - Present	31	
	8 - Blank, but applicable	344	
	9 - No findings	10075	
505	<u>Emphysema</u>		
	a) <u>Explicit presumptive diagnosis of emphysema</u>		
	2 - Diaphragm flat on PA x-ray and presumptive evidence of emphysema.	319	
	4 - Presumptive evidence of emphysema	203	
	b) <u>Possible diagnosis of emphysema</u>		
	6 - Diaphragm flat on PA x-ray	6	
	8 - Blank, but applicable	970	
	9 - No findings	8952	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
506	<u>Blebs or bullae</u>		
	1 - Secondary to generalized emphysema	73	
	2 - Secondary inflammatory scarring	13	
	3 - Secondary to both 1 and 2	7	
	4 - Independent of both 1 and 2	16	
	8 - Blank, but applicable	344	
	9 - No findings	9997	
507-508	<u>Calcified nodes</u>		
	01 - Right hilar	197	
	02 - Left hilar	219	
	03 - Carinal	8	
	04- Paratracheal	46	
	05 - Other	2	
	06 - Righthilar, left hilar, or Other	64	
	07 - Right hilar, paratracheal or Other	19	
	08 - Carinal and paratracheal	2	
	09 - Right hilar, left hilar, carinal or paratracheal	13	
	10 - Other combination	8	
	88 - Blank, but applicable	343	
	99 - No findings	9529	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
509	<u>Enlarged nodes</u>		
	1 - Right hilar	24	
	2 - Left hilar	9	
	3 - Carinal	1	
	4 - Paratracheal	6	
	5 - Other	0	
	6 - Right and Left hilar	16	
	8 - Blank, but applicable	345	
	9 - No findings	10049	
510	<u>Pleural disease</u>		
	1 - Present	383	
	8 - Blank, but applicable	343	
	9 - No findings	9724	
511	<u>Location</u>		
	1 - Right	154	
	2 - Left	114	
	3 - Both	115	
	8 - Blank, but applicable	343	
	9 - No findings	9724	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
512	<u>Presumed cause of effusion</u>		
	1 - Fluid	54	
	2 - Tissue	295	
	3 - Both	32	
	8 - Blank, but applicable	345	
	9 - No findings	9724	
	<u>Cardiovascular</u>		
	<u>Enlargement of vessels</u>		
513	<u>Azygos vein</u>		
	1 - Yes	6	
	8 - Blank, but applicable	343	
	9 - No findings	10101	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE	ITEM DESCRIPTION AND CODES	CONTROL	NHANES II DATA SOURCE POSITIONS COUNTS OR NOTES
514-515	<u>Locus of pulmonary artery enlargement</u>		
	01 - Right proximal	5	
	02 - Right distal	0	
	03 - Right proximal/distal	0	
	04 - Left proximal	8	
	05 - Left distal	1	
	06 - Left proximal/distal	0	
	07 - Both proximal	100	
	08 - Both distal	11	
	09 - Both proximal/distal	11	
	88 - Blank, but applicable	344	
	99 - No findings	9970	
516	<u>Enlargement of right heart</u>		
	1 - Atrium enlarged	5	
	2 - Ventricle enlarged	10	
	3 - Both enlarged	0	
	8 - Blank, but applicable	343	
	9 - No findings	10092	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
517	<u>Cephalization of pulmonary vessels</u>		
	1 - Present	69	
	8 - Blank, but applicable	343	
	9 - No findings	10038	
518	<u>Interstitial fluid</u>		
	1 - Present	21	
	8 - Blank, but applicable	343	
	9 - No findings	10086	
519	<u>Kerley lines</u>		
	1 - A lines	0	
	2 - B lines	1	
	3 - A and B lines	3	
	8 - Blank, but applicable	352	
	9 - No findings	10094	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY
 (NHANES II - 1976-1980)
 CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
520	<u>Rosettes</u>		
	1 - Present	4	
	8 - Blank, but applicable	343	
	9 - No findings	10103	
521	<u>Alveolar fluid</u>		
	1 - Present	7	
	8 - Blank, but applicable	343	
	9 - No findings	10100	
522	<u>Enlargement of left heart</u>		
	1 - Atrium enlarged	10	
	2 - Ventricle enlarged	413	
	3 - Both enlarged	9	
	8 - Blank, but applicable	343	
	9 - No findings	9675	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
	<u>PATHOLOGY SECOND READINGS</u>		
523	<u>Cardiopulmonary findings</u>		See Detailed Notes
	1 - Findings	4053	
	8 - Blank, but applicable	288	
	9 - No findings	6109	
524	Blank		
525	<u>Scoliosis</u>		
	1 - Present	951	
	8 - Blank, but applicable	288	
	9 - No findings	9211	
526	Blank		

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
527	<u>Rib fractures</u>		
	1 - Present	240	
	8 - Blank, but applicable	288	
	9 - No findings	9922	
528	<u>Location</u>		
	1 - Right rib cage	101	
	2 - Left rib cage	117	
	3 - Both rib cages	22	
	8 - Blank, but applicable	288	
	9 - No findings	9922	
529-530	<u>Minimum rib number right</u>		
	02-10 - As given	123	
	88 - Blank, but applicable	288	
	99 - No findings	10039	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNT	NHANES II DATA SOURCE SOR NOTE
531-532	<u>Maximum rib number right</u>		
	02-11 - As given	123	
	88 - Blank, but applicable	288	
	99 - No findings	10039	
533-534	<u>Minimum rib number left</u>		
	02-11 - As given	139	
	88 - Blank, but applicable	288	
	99 - No findings	10023	
535-536	<u>Maximum rib number left</u>		
	03-11 - As given	139	
	88 - Blank, but applicable	288	
	99 - No findings	10023	
537	<u>Healing status</u>		
	1 - Healed	236	
	8 - Blank, but applicable	288	
	Blank	9926	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
538	<u>Nipple shadows</u>		
	1 - Present	203	
	8 - Blank, but applicable	288	
	9 - No findings	9959	
	<u>Nodules</u>		
539	<u>Other extrapulmonary nodules</u>		See Detailed Notes
	1 - Present	0	
	8 - Blank, but applicable	288	
	9 - No findings	10162	
540	<u>Intrapulmonary nodules</u>		
	1 - Present	1096	
	8 - Blank, but applicable	288	
	9 - No findings	9066	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
541-543	<u>Size of largest (mm)</u>		
	001 - 080 - As given	1096	
	888 - Blank but applicable	288	
	999 - No findings	9066	
544	<u>Location of largest</u>		See Detailed Notes
	1 - Right	559	
	2 - Left	534	
	8 - Blank, but applicable	291	
	9 - No findings	9066	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
545-546	<u>Specific lobe</u>		See Detailed Notes
	Upper		
	01 - Apical	166	
	02 - Posterior	244	
	03 - Anterior	17	
	Middle		
	04 - Superior or lateral	231	
	05 - Inferior or medial	145	
	Lower		
	06 - Superior	10	
	07 - Medial	30	
	08 - Anterior	24	
	09 - Lateral	169	
	10 - Posterior	54	
	88 - Blank, but applicable	294	
	99 - No findings	9066	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
547	Blank		
548-550	<u>Size of second largest (mm)</u>		
	002-040 - As given	218	
	888 - Blank, but applicable	288	
	999 - No findings	9944	
551	<u>Location of second largest</u>		See Detailed Notes
	1 - Right	109	
	2 - Left	108	
	8 - Blank, but applicable	289	
	9 - No findings	9944	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
552-553	<u>Specific lobe</u>		See Detailed Notes
	Upper		
	01 - Apical	35	
	02 - Posterior	51	
	03 - Anterior	2	
	Middle		
	04 - Superior or lateral	39	
	05 - Inferior or medial	30	
	Lower		
	06 - Superior	4	
	07 - Medial	6	
	08 - Anterior	4	
	09 - Lateral	38	
	10 - Posterior	9	
	88 - Blank, but applicable	288	
	99 - No findings	9944	
554	Blank		
555	<u>Number of nodules</u>		
	1 - One	878	
	2 - Two or more	218	
	8 - Blank, but applicable	288	
	9 - No findings	9066	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
556	<u>Number of segments containing nodules</u>		
	1-6 - As given	942	
	7 - Greater than 6	16	
	8 - Blank, but applicable	426	
	9 - No findings	9066	
557	<u>Are segments containing nodules contiguous?</u>		See Detailed Notes
	1 - Yes	9	
	8 - Blank, but applicable	385	
	9 - No findings	10056	
558	<u>Etiology of nodules</u>		
	1 - Secondary to an infectious disease	884	
	2 - Not secondary to an infectious disease	15	
	3 - Combination of 1 and 2	141	
	8 - Blank, but applicable	344	
	9 - No findings	9066	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
	<u>Infiltrates</u>		
559	<u>Localized segmental infiltrates</u>		See Detailed Notes
	1 - Right	30	
	2 - Left	76	
	8 - Blank, but applicable	288	
	9 - No findings	10056	
560-561	<u>Location of infiltrates: Specific lobe</u>		See Detailed Notes
	Upper 01 - Apical	10	
	02 - Posterior	6	
	03 - Anterior	1	
	Middle 04 - Superior or Lateral	5	
	05 - Inferior or Medial	62	
	Lower 06 - Superior	1	
	07 - Medial	7	
	08 - Anterior	10	
	09 - Lateral	4	
	10 - Posterior	288	
	88 - Blank, but applicable	10056	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
562	Blank		
563	<u>Diffuse nonsegmental nonhomogeneous infiltrates</u>		See Detailed Notes
	1 - Minimal	193	
	2 - Moderate	64	
	3 - Moderate with cavitation	22	
	4 - Far advanced	24	
	5 - Far advanced with cavitation	13	
	8 - Blank, but applicable	288	
	9 - No findings	9846	
564	Blank		
565	<u>Underlying condition</u>		
	1 - Granulomatous	275	
	2 - Other diseases	39	
	8 - Blank, but applicable	290	
	9 - No findings	9846	
566	<u>Diffuse homogeneous symmetrical infiltrates</u>		
	1 - Present	539	
	8 - Blank, but applicable	288	
	9 - No findings	9623	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
567	<u>Presumed etiology</u>		
	1 - Congestive heart failure	35	
	2 - Pneumoconiosis	3	
	3 - Sarcoidosis	1	
	4 - Other	499	
	8 - Blank, but applicable	289	
	9 - No findings	9623	
568	<u>Proportion or fraction of PA x-ray which appears abnormal</u>		
	1 - Less than 1/3	141	
	2 - 1/3 to 2/3	177	
	3 - Greater than 2/3	219	
	8 - Blank, but applicable	290	
	9 - No findings	9623	
569	<u>Other infiltrates</u>		
	1 - Present	226	
	8 - Blank, but applicable	288	
	9 - No findings	9936	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
570	<u>Emphysema</u>		
	a) <u>Explicit presumptive diagnosis of emphysema</u>		
	2 - Diaphragm flat on PA x-ray and presumptive evidence of emphysema.	257	
	4 - Presumptive evidence of emphysema	400	
	b) <u>Possible diagnosis of emphysema</u>		
	6 - Diaphragm flat on PA x-ray	25	
	8 - Blank, but applicable	289	
	9 - No findings	9479	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
571	<u>Blebs or bullae</u>		
	1 - Secondary to generalized emphysema	18	
	2 - Secondary to post-inflammatory scarring	31	
	3 - Secondary to both 1 and 2	33	
	4 - Independent of both 1 and 2	30	
	8 - Blank, but applicable	295	
	9 - No findings	10043	
572-573	<u>Calcified nodes</u>		
	01 - Right hilar	145	
	02 - Left hilar	212	
	03 - Carinal	3	
	04 - Paratracheal	38	
	05 - Other	15	
	06 - Right hilar, left hilar, or other	39	
	07 - Right hilar, paratracheal or other	28	
	08 - Carinal and paratracheal	1	
	09 - Right hilar, left hilar, carinal paratracheal	18	
	10 - Other combination	24	
	88 - Blank, but applicable	289	
	99 - No findings	9638	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
574	<u>Enlarged nodes</u>		
	1 - Right hilar	8	
	2 - Left hilar	4	
	3 - Carinal	1	
	4 - Paratracheal	1	
	5 - Other	1	
	6 - Right and Left hilar	2	
	8 - Blank, but applicable	289	
	9 - No findings	10144	
575	<u>Pleural disease</u>		
	1 - Present	394	
	8 - Blank, but applicable	288	
	9 - No findings	9768	
576	<u>Location</u>		
	1 - Right	160	
	2 - Left	156	
	3 - Both	77	
	8 - Blank, but applicable	289	
	9 - No findings	9768	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
577	<u>Presumed cause of effusion</u>		
	1 - Fluid	61	
	2 - Tissue	316	
	3 - Both	17	
	8 - Blank, but applicable	288	
	9 - No findings	9768	
	<u>Cardiovascular</u>		
	Enlargement of vessels		
578	<u>Azygos vein</u>		
	1 - Yes	16	
	8 - Blank, but applicable	288	
	9 - No findings	10146	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
579-580	<u>Locus of pulmonary artery enlargement</u>		
	01 - Right proximal	6	
	02 - Right distal	1	
	03 - Right proximal/distal	2	
	04 - Left proximal	11	
	05 - Left distal	2	
	06 - Left proximal/distal	1	
	07 - Both proximal	132	
	08 - Both distal	38	
	09 - Both proximal/distal	80	
	88 - Blank, but applicable	291	
	99 - No findings	9886	
581	<u>Enlargement of right heart</u>		
	1 - Atrium enlarged	4	
	2 - Ventricle enlarged	38	
	3 - Both enlarged	54	
	8 - Blank, but applicable	288	
	9 - No findings	10066	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
582	<u>Cephalization of pulmonary vessels</u>		
	1 - Present	84	
	8 - Blank, but applicable	288	
	9 - No findings	10078	
583	<u>Interstitial fluid</u>		
	1 - Present	13	
	8 - Blank, but applicable	288	
	9 - No findings	10149	
584	<u>Kerley lines</u>		
	3 - A and B lines	1	
	8 - Blank, but applicable	305	
	9 - No findings	10144	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
585	<u>Rosettes</u>		
	1 - Present	8	
	8 - Blank, but applicable	288	
	9 - No findings	10154	
586	<u>Alveolar fluid</u>		
	1 - Present	2	
	8 - Blank, but applicable	288	
	9 - No findings	10160	
587	<u>Enlargement of left heart</u>		
	1 - Atrium enlarged	13	
	2 - Ventricle enlarged	217	
	3 - Both enlarged	103	
	8 - Blank, but applicable	288	
	9 - No findings	9829	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
	<u>PATHOLOGY FINAL READINGS</u>		
588	<u>Cardiopulmonary findings</u>		See Detailed Notes
	1 - Findings	4092	
	8 - Blank, but applicable	272	
	9 - No findings	6086	
	<u>Thorax</u>		
589	Blank		
590	<u>Scoliosis</u>		
	1 - Present	859	
	8 - Blank, but applicable	272	
	9 - No findings	9319	
591	Blank		
592	<u>Rib fractures</u>		
	1 - Present	299	
	8 - Blank, but applicable	272	
	9 - No findings	9879	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
593	<u>Location</u>		
	1 - Right rib cage	135	
	2 - Left rib cage	136	
	3 - Both rib cages	28	
	8 - Blank, but applicable	272	
	9 - No findings	9879	
594-595	<u>Minimum rib number right</u>		
	01-10 - As given	163	
	88 - Blank, but applicable	272	
	99 - No findings	10015	
596-597	<u>Maximum rib number right</u>		
	01-10 - As given	163	
	88 - Blank, but applicable	272	
	99 - No findings	10015	
598-599	<u>Minimum rib number left</u>		
	02-10 - As given	164	
	88 - Blank, but applicable	272	
	99 - No findings	10014	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
600-601	<u>Maximum rib number left</u>		
	04-11 - As given	164	
	88 - Blank, but applicable	272	
	99 - No findings	10014	
602	<u>Healing status</u>		
	1 - Healed	294	
	8 - Blank, but applicable	273	
	9 - No findings	9883	
603	<u>Nipple shadows</u>		
	1 - Present	261	
	8 - Blank, but applicable	272	
	9 - No findings	9917	
	<u>Nodules</u>		
604	<u>Other extrapulmonary nodules</u>		
	1 - Present	6	
	8 - Blank, but applicable	272	
	9 - No findings	10172	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
605	<u>Intrapulmonary nodules</u>		See Detailed Notes
	1 - Present	1266	
	8 - Blank, but applicable	272	
	9 - No findings	8912	
606-608	<u>Size of largest (mm)</u>		
	002 - 080 - As given	1266	
	888 - Blank but applicable	272	
	999 - No findings	8912	
609	<u>Location of largest</u>		See Detailed Notes
	1 - Right	635	
	2 - Left	630	
	8 - Blank, but applicable	273	
	9 - No findings	8912	
610-611	<u>Specific lobe</u>		See Detailed Notes
Upper	01 - Apical	190	
	02 - Posterior	269	
	03 - Anterior	45	
Middle	04 - Superior or lateral	243	
	05 - Inferior or medial	138	
Lower	06 - Superior	46	
	07 - Medial	34	
	08 - Anterior	53	
	09 - Lateral	198	
	10 - Posterior	49	
	88 - Blank, but applicable	273	
	99 - No findings	8912	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
612	Blank		
613-615	<u>Size of second largest (mm)</u>		
	002-032 - As given	297	
	888 - Blank, but applicable	272	
	999 - No findings	9881	
616	<u>Location of second largest</u>		See Detailed Notes
	1 - Right	154	
	2 - Left	144	
	8 - Blank, but applicable	272	
	9 - No findings	9880	
617-618	<u>Specific lobe</u>		See Detailed Notes
	Upper 01 - Apical	46	
	02 - Posterior	58	
	03 - Anterior	16	
	Middle 04 - Superior or lateral	42	
	05 - Inferior or medial	28	
	Lower 06 - Superior	22	
	07 - Medial	4	
	08 - Anterior	11	
	09 - Lateral	49	
	10 - Posterior	21	
	88 - Blank, but applicable	272	
	99 - No findings	9881	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
619	Blank		
620	<u>Number of nodules</u>		
	1 - One	969	
	2 - Two or more	297	
	8 - Blank, but applicable	272	
	9 - No findings	8912	
621	<u>Number of segments containing nodules</u>		
	1-6 - As given	1212	
	7 - Greater than 6	38	
	8 - Blank, but applicable	287	
	9 - No findings	8913	
622	<u>Are segments containing nodules contiguous?</u>		See Detailed Notes
	1 - Yes	38	
	8 - Blank, but applicable	285	
	9 - No findings	10127	
623	<u>Etiology of nodules</u>		
	1 - Secondary to an infectious disease	1112	
	2 - Not secondary to an infectious disease	27	
	3 - Combination of 1 and 2	97	
	8 - Blank, but applicable	302	
	9 - No findings	8912	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
	<u>Infiltrates</u>		
624	<u>Localized segmental infiltrates</u>		See Detailed Notes
	1 - Right	51	
	2 - Left	88	
	8 - Blank, but applicable	272	
	9 - No findings	10039	
625-626	<u>Location of infiltrates:</u>		See Detailed Notes
	<u>Specific lobe</u>		
	Upper 01 - Apical	13	
	02 - Posterior	10	
	03 - Anterior	1	
	Middle 04 - Superior or Lateral	6	
	05 - Inferior or Medial	49	
	Lower 06 - Superior	3	
	07 - Medial	6	
	08 - Anterior	5	
	09 - Lateral	36	
	10 - Posterior	10	
	88 - Blank, but applicable	272	
	99 - No findings	10039	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
627	Blank		
628	<u>Diffuse nonsegmental nonhomogeneous infiltrates</u>		See Detailed Notes
	1 - Minimal	184	
	2 - Moderate	68	
	3 - Moderate with cavitation	28	
	4 - Far advanced	23	
	5 - Far advanced with cavitation	10	
	8 - Blank, but applicable	272	
	9 - No findings	9865	
629	Blank		
630	<u>Underlying condition</u>		
	1 - Granulomatous	275	
	2 - Other diseases	37	
	8 - Blank, but applicable	273	
	9 - No findings	9865	
631	<u>Diffuse homogeneous symmetrical infiltrates</u>		
	1 - Present	380	
	8 - Blank, but applicable	272	
	9 - No findings	9798	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY
(NHANES II - 1976-1980)
CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
632	<u>Presumed etiology</u>		
	1 - Congestive heart failure	41	
	2 - Pneumoconiosis	5	
	3 - Sarcoidosis	3	
	4 - Other	331	
	8 - Blank, but applicable	273	
	9 - No findings	9797	
633	<u>Proportion or fraction of PA x-ray which appears abnormal</u>		
	1 - Less than 1/3	105	
	2 - 1/3 to 2/3	123	
	3 - Greater than 2/3	153	
	4 - Other	1	
	8 - Blank, but applicable	273	
	9 - No findings	9795	
634	<u>Other infiltrates</u>		
	1 - Present	273	
	8 - Blank, but applicable	272	
	9 - No findings	9905	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
635	<u>Emphysema</u>		
	a) <u>Explicit presumptive diagnosis of emphysema</u>		
	2 - Diaphragm flat on PA x-ray and presumptive evidence of emphysema	276	
	4 - Presumptive evidence of emphysema	279	
	b) <u>Possible diagnosis of emphysema</u>		
	6 - Diaphragm flat on PA x-ray	34	
	8 - Blank, but applicable	316	
	9 - No findings	9545	
636	<u>Blebs or bullae</u>		
	1 - Secondary to generalized emphysema	58	
	2 - Secondary to post- inflammatory scarring	32	
	3 - Secondary to both 1 and 2	39	
	4 - Independent of both 1 and 2	27	
	8 - Blank, but applicable	273	
	9 - No findings	10021	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1990)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE	ITEM DESCRIPTION AND CODES	CONTROL	NHANES II DATA SOURCE
637-638	<u>Calcified nodes</u>		See Detailed Notes
	01 - Right hilar	168	
	02 - Left hilar	231	
	03 - Carinal	8	
	04 - Paratracheal	51	
	05 - Other	10	
	06 - Right hilar, left hilar, or other	37	
	07 - Right hilar, paratracheal or other	29	
	08 - Carinal and paratracheal	0	
	09 - Right hilar, left hilar, carinal paratracheal	23	
	10 - Other combination	22	
	88 - Blank, but applicable	272	
	99 - No findings	9599	
639	<u>Enlarged nodes</u>		
	1 - Right hilar	12	
	2 - Left hilar	11	
	3 - Carinal	1	
	4 - Paratracheal	1	
	6 - Right and left hilar	6	
	8 - Blank, but applicable	273	
	9 - No findings	10146	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
640	<u>Pleural disease</u>		
	1 - Present	492	
	8 - Blank, but applicable	272	
	9 - No findings	9686	
641	<u>Location</u>		
	1 - Right	197	
	2 - Left	178	
	3 - Both	117	
	8 - Blank, but applicable	272	
	9 - No findings	9686	
642	<u>Presumed cause of effusion</u>		
	1 - Fluid	50	
	2 - Tissue	409	
	3 - Both	32	
	8 - Blank, but applicable	273	
	9 - No findings	9686	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
	<u>Cardiovascular</u>		
	<u>Enlargement of vessels</u>		
643	<u>Azygos vein</u>		
	1 - Yes	12	
	8 - Blank, but applicable	272	
	9 - No findings	10166	
644-645	<u>Locus of pulmonary artery enlargement</u>		
	01 - Right proximal	7	
	02 - Right distal	2	
	03 - Right proximal/distal	2	
	04 - Left proximal	12	
	05 - Left distal	1	
	06 - Left proximal/distal	94	
	07 - Both proximal	23	
	08 - Both distal	39	
	09 - Both proximal/distal	274	
	88 - Blank, but applicable	9996	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
646	<u>Enlargement of right heart</u>		
	1 - Atrium enlarged	6	
	2 - Ventricle enlarged	16	
	3 - Both enlarged	29	
	8 - Blank, but applicable	272	
	9 - No findings	10127	
647	<u>Cephalization of pulmonary vessels</u>		
	1 - Present	69	
	8 - Blank, but applicable	272	
	9 - No findings	10109	
648	<u>Interstitial fluid</u>		
	1 - Present	16	
	8 - Blank, but applicable	272	
	9 - No findings	10162	
649	<u>Kerley lines</u>		
	1 - A lines	1	
	2 - B lines	8	
	3 - A and B lines	3	
	8 - Blank, but applicable	278	
	9 - No findings	10160	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES II - 1976-1980)

CHEST X-RAY EXAMINATION DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
650	<u>Rosettes</u>		
	1 - Present	8	
	8 - Blank, but applicable	272	
	9 - No findings	10170	
651	<u>Alveolar fluid</u>		
	1 - Present	4	
	8 - Blank, but applicable	272	
	9 - No findings	10174	
652	<u>Enlargement of left heart</u>		
	1 - Atrium enlarged	6	
	2 - Ventricle enlarged	302	
	3 - Both enlarged	52	
	8 - Blank, but applicable	272	
	9 - No findings	9818	

IV. DETAILED NOTES

TAPE POSITION 11

Size of Place

Size of place classification was derived from the 1970 decennial census of the population. According to the definition used in the 1970 census, the urban population comprised 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.

TAPE POSITION 12

SMSA-Not 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.

TAPE POSITIONS 37-41

Family Unit Number

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.

TAPE POSITIONS 56, 206, AND 256

Race

The race of the respondent was marked by observation. The interviewers were instructed to assume that 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.

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

TAPE POSITIONS 57-58 AND 257-258 (cont.)

<u>Name of Place</u>	<u>Code</u>
Utah.....	49
Vermont.....	50
Virginia.....	51
Washington.....	53
West Virginia.....	54
Wisconsin.....	55
Wyoming.....	56

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 Island	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 Carribean
Trust Territories of the Pacific Islands	75	U.S. administered, includes Caroline, Mariana, and Marshall Island groups
U.S. Miscellaneous Carribean 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 Carribean
Wake Island	79	U.S. territory in the Pacific

Outside of United States

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

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

Industry and Occupation Codes

Occupation may be defined as the principal job or business. For this survey, 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 occupation (or work) applies to the job during that period. If the respondent held more than one job, the question is directed to the one at which the most time was spent. It refers to the one considered 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 the 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 but has not yet reported to it or a person who has never had a 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. Stock Number 0301-2283).

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.

TAPE POSITION 207

Farm, non-farm

This position contains a recode, which combines data on land use (position 25), size (position 26), and amount of sales of farm produce and livestock (positions 27 and 28).

Code 1: Farm: Rural land (coded 2 in position 25) which consisted of 10 or more acres (coded 1 in position 26) with crop sales of \$50 or more (coded 1 in position 27).

OR

Rural land (coded 2 in position 25) with crop sales of \$250 or more (coded 1 in position 28).

Code 2: Non-farm: All other rural land (coded 2 in position 25) as well as land classified as urban (coded 1 in position 25).

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

TAPE POSITIONS 210-212

Poverty Index

Income status was determined by the Poverty Income Ratio (PIR). Poverty statistics published in the Bureau of the Census reports¹⁰⁻¹⁴ 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 references 15 and 16.) Modifications in the definition of poverty were adopted in 1969.¹⁷ The standard data series in poverty for statistical use by all executive departments and establishments has been established.¹⁸

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 plan⁹⁻¹³ (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 U.S. 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" and 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.

A. 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	2 522	2 348
14 to 64 years.....	2 954	2 959	3 069	2 840	2 542	2 608	2 413
65 years and over.....	2 720	2 730	2 738	2 722	2 322	2 344	2 313
2 persons.....	3 684	3 711	3 721	3 860	3 128	3 133	3 035
head 14 to 64 years.....	3 406	3 826	3 846	3 733	3 267	3 271	3 159
head 65 years and over.....	3 417	3 445	3 447	3 428	2 928	2 928	2 922
3 persons.....	4 515	4 540	4 565	4 414	3 858	3 864	3 754
4 persons.....	5 786	5 815	5 818	5 790	4 950	4 955	4 870
5 persons.....	6 838	6 876	6 884	6 799	5 870	5 871	5 847
6 persons.....	7 706	7 760	7 766	7 709	6 535	6 584	6 607
7 persons or more.....	8 505	9 589	9 622	9 375	8 072	8 068	8 428

B. 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	2 969	2 568	2 672	2 454
14 to 64 years.....	3 147	3 152	3 267	3 023	2 709	2 776	2 565
65 years and over.....	2 895	2 906	2 936	2 858	2 475	2 455	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	3 866	3 670	3 646	3 128	3 131	3 079
3 persons.....	4 806	4 833	4 860	4 708	4 053	4 110	3 850
4 persons.....	6 157	6 191	6 195	6 162	5 273	5 274	5 215
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	7 020
7 persons or more.....	10 137	10 216	10 249	9 995	8 708	8 706	8 736

C. WEIGHTED AVERAGE THRESHOLDS--POVERTY CUTOFFS IN 1979, 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)...	3 302	3 311	3 460	3 196	2 795	2 893	2 650
14 to 64 years.....	3 386	3 392	3 516	3 253	2 913	2 967	2 764
65 years and over.....	3 116	3 127	3 159	3 118	2 661	2 655	2 650
2 persons.....	4 225	4 249	4 258	4 206	3 578	3 582	3 457
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	3 944	3 923	3 352	3 354	3 315
3 persons.....	5 178	5 201	5 231	5 063	4 413	4 430	4 316
4 persons.....	6 628	6 662	6 655	6 632	5 661	5 653	5 600
5 persons.....	7 853	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.....	10 826	11 002	11 038	10 765	9 373	9 386	8 815

D. WEIGHTED AVERAGE THRESHOLDS--POVERTY CUTOFFS IN 1979, BY SIZE AND TYPE OF FAMILY AND FARM-NONFARM RESIDENCE

SIZE OF FAMILY UNIT	TOTAL (DOLLARS)	NONFARM			FARM		
		TOTAL (DOLLARS)	FAMILIES WITH FEMALE HEAD, NO HUSBAND PRESENT ¹ (DOLLARS)	ALL OTHER FAMILIES ² (DOLLARS)	TOTAL (DOLLARS)	FAMILIES WITH FEMALE HEAD, NO HUSBAND PRESENT ¹ (DOLLARS)	ALL OTHER FAMILIES ² (DOLLARS)
1 person (unrelated individual)...	3 683	3 669	3 556	3 855	3 138	3 001	3 200
15 to 64 years.....	3 773	3 778	3 619	3 912	3 054	3 076	3 300
65 years and over.....	3 472	3 479	3 469	3 515	2 963	2 945	2 900
2 persons.....	4 702	4 725	4 669	4 737	3 987	3 917	3 850
Householder 15 to 64 years.....	4 858	4 878	4 762	4 905	4 156	4 027	4 160
Householder 65 years and over...	4 364	4 390	4 362	4 354	3 730	3 656	3 720
3 persons.....	5 763	5 784	5 624	5 820	4 917	4 650	4 500
4 persons.....	7 386	7 412	7 381	7 415	6 329	6 261	6 300
5 persons.....	8 736	8 775	8 690	8 785	7 452	7 309	7 400
6 persons.....	9 849	9 914	9 845	9 922	8 424	8 309	8 400
7 persons or more.....	12 212	12 280	12 037	12 322	10 533	10 178	10 300

¹INCLUDES FEMALE UNRELATED INDIVIDUALS.
²INCLUDES MALE UNRELATED INDIVIDUALS.

E. RELEVANT AVERAGE THRESHOLDS--POVERTY CUTOFFS IN 1980, BY SIZE AND TYPE OF FAMILY, BY FARM-OWNERSHIP RESIDENCE

SIZE OF FAMILY UNIT	TOTAL (DOLLARS)	NONFARM			FARM		
		TOTAL (DOLLARS)	FAMILIES WITH FEMALE HEAD, NO HUSBAND PRESENT ¹ (DOLLARS)	ALL OTHER FAMILIES ² (DOLLARS)	TOTAL (DOLLARS)	FAMILIES WITH FEMALE HEAD, NO HUSBAND PRESENT ¹ (DOLLARS)	ALL OTHER FAMILIES ² (DOLLARS)
1 person (unrelated individual)...	4 184	4 190	4 037	4 379	3 539	3 362	3 680
15 to 64 years.....	4 286	4 290	4 109	4 441	3 693	3 492	3 773
65 years and over.....	3 941	3 949	3 938	3 990	3 359	3 347	3 562
2 persons.....	5 338	5 363	5 316	5 373	4 502	4 302	4 373
Householder 15 to 64 years.....	5 518	5 537	5 415	5 568	4 714	4 457	4 721
Householder 65 years and over...	4 954	4 983	4 946	4 988	4 233	4 185	4 237
3 persons.....	6 539	6 565	6 386	6 608	5 573	5 271	5 587
4 persons.....	8 385	8 414	8 382	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	13 955	13 767	13 986	11 915	12 133	11 625

¹INCLUDES FEMALE UNRELATED INDIVIDUALS.

²INCLUDES MALE UNRELATED INDIVIDUALS.

TAPE POSITIONS 282-317

Sample Weights

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 and 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 POSITIONS 438-457

Heart size measurement techniques

Four measures of heart size were taken for each examinee in order to assess cardiac pathology and heart enlargement, using techniques suggested by Grover et al in Circulation, Volume XLVIII, June 1973. As described in the article, the reader used a straight edge and pencil to establish a transverse line horizontally across the posterior-anterior (PA) x-ray between the pair of ribs (left and right) which defined the maximum intra-thoracic diameter. The distance between the internal margins of these sites, B₁ and B₂, defined the maximum transverse diameter of the thorax. A second line was drawn perpendicular to the first line, bisecting the chest into left and right halves. The reader then identified the points, one on the left and one on the right, which marked the most lateral cardiac margins. Another perpendicular was drawn from each of these points to the transverse thoracic line. The distance between point A₁ (where the perpendicular from the left cardiac border intersected the transverse line) and the point A₂ (where the perpendicular from the right cardiac border intersected the transverse thoracic line) was measured and recorded. This distance, A₁ to A₂, defined the maximum cardiac diameter of the PA film. The reader then marked the point that identified the junction of the right atrium and the superior vena cava, C₁, and the point that marked the cardiac apex, C₂. The distance between

these two points was measured and recorded. The right cardio-phrenic angle, D_1 , was then identified, as well as the junction of the atrial appendage with the main pulmonary artery, D_2 . This distance, representing the cardiac broad diameter, was measured and recorded.

DETAILED NOTES
TAPE POSITIONS 438-652

The term "blank, but applicable" (code 8) is used to indicate any of the following:

1. Pregnant women who did not take chest X-ray.
2. Unreadable X-ray films.
3. Lost X-ray.
4. Data point inconsistent with other entries.
5. Missing information for that particular data field.

DETAILED NOTES

TAPE POSITIONS 458-522, 523-587, 588-652

Cardiopulmonary findings

In order to be able to determine the presence or absence of cardiopulmonary findings, a recording form was developed by the principle contract x-ray reader and the NHANES medical advisor. Since structural abnormalities can directly or indirectly influence pulmonary mechanics, the forms were expanded to include the presence of scoliosis and rib fractures. The forms were structured to permit:

- 1) grouping of abnormalities by location or system - e.g., chest wall, pulmonary, lymphatic, pleural and cardiovascular,
- 2) assessing the extent of the abnormalities (e.g., size and number of nodules) and distribution of the disease,
- 3) suggesting etiologies (e.g., infections as the cause of nodules; pneumoconiosis as the cause of pulmonary infiltrates) when sufficient information was available from the x-ray, and
- 4) recording into "open" recording space those observations and abnormalities which did not otherwise fit into the coded form.

The assessment as to whether the nonsegmental nonhomogeneous infiltrates were minimal, moderate or advanced was made according to the Diagnostic Standards and Classification of Tuberculosis (National Tuberculosis and Respiratory Disease Association, New York, NY 1969). Objective criteria concerning the other findings to be assessed were not available at the time the form was designed.

DETAILED NOTES

TAPE POSITIONS 474-493, 539-558, 604-623

Nodules

The detailed status of nodules are specified in Appendix B. In particular, the lung(s) and specific lobe(s) of the lung(s) in which the largest and second largest nodules were located are only coded for subjects examined. The coding schema are approximately equivalent to NHANES I.

DETAILED NOTES

TAPE POSITIONS 494-504, 559-569, 624-634

Infiltrates

Detailed coding schema were equivalent to the NHANES II. In each case the less specific schema can be derived by combining adjacent categories of the most specific schema.

DETAILED NOTES

TAPE POSITIONS 588-652

Pathology final readings

Reader opinion represents a useful assessment of radiographic abnormalities. For example, Nicklaus et al (American Review of Respiratory Disease 93: 889-899, 1966) have shown that reader opinion is the best way to diagnose moderate to severe emphysema from the chest x-ray and that it correlates well with histologic findings. Hence, the present study utilized reader opinion to assess the presence or absence of heart and lung pathology. Because such opinion has been shown to have appreciable inter-observer and intra-observer error, two independent readers were utilized to establish the presence or absence of pathology.

The pathology final readings do not represent a third reading of each x-ray, but instead a synthesis of the first two readings. The x-rays of those subjects examined in NHANES II were read by two independent readers. When the findings of the two readers agreed, the final reading is a copy of those findings. When the readers disagreed in any particular, the film was subjected to adjudication, in which the readers jointly reviewed the film and came to agreement on the disputed item(s). In a few cases, disputed films were referred to a third expert reader for adjudication.

In this study, Dr. Lanie Eagleton, Associate Professor of Medicine and Chief of the Pulmonary Division of the Southern Illinois University School of Medicine, performed all the second readings. The first reader was one of

several radiology residents at the Southern Illinois School of Medicine. Expert judgement on disputed films were provided by Dr. William Sherrick, a staff radiologist at the Southern Illinois School of Medicine specializing in chest radiology.

V. APPENDIX A

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: This questionnaire included for each household member items on family relationships and certain demographic variables such as age, sex, race, education, occupation, and veteran status. Also obtained were information on selected housing characteristics, family income, and an indication of the family's participation in food stamp programs.
2. Medical history questionnaires:
 - a. For each sample person 6 months-11 years of age
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 12-74 years of age
The questionnaire included items on medication, hospital care, tuberculosis, a variety of acute and chronic diseases, tobacco usage, physical activity, weight, height, vision disability, eating and gastrointestinal problems, and participation in food programs. Detailed data were collected on anemia, diabetes, respiratory conditions, hearing and speech, liver and gallbladder conditions, kidney and bladder disease, allergies, hypertension, cardiovascular conditions, stroke and arthritis (stressing middle and upper back and neck problems).

B. QUESTIONNAIRES ADMINISTERED IN THE MOBILE EXAMINATION CENTER

1. 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 questionnaire 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 12-74 years of age, 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.
2. Health History Supplement, for persons 12 through 74 years of age, included questions on cardiovascular and respiratory conditions, kidney and bladder disease, and arthritis in addition to those asked in the household Medical History. Also included were questions on pesticide exposure, smoking for persons 12 through 17 years of age, and a menstrual and pregnancy history for females.
3. Medications/Vitamin Usage form collected information on the past week's usage of any medicines, vitamins or minerals for all examined persons.
4. Behavior Questionnaire elicited data on behavior which may be associated with coronary heart disease for examined persons 25 through 74 years of age.

C. 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.

D. 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 6 through 24 years of age were digitized and recorded on magnetic tape. Various pulmonary function indicators such as FVC (forced vital capacity), FEV₁ (forced expiratory volume in one second), and peak flow rate were subsequently derived from these data.
2. Electrocardiograms were made on examined persons 25 through 74 years of age. Electrocardiographic signals were digitized and recorded on magnetic tape, providing normative data on 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 or recumbent length, depending on age; body weight; triceps and subscapular skinfolds; and several other anthropometric measurements.
4. Pure tone 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 (house dust, 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.

E. X-RAYS

For examined persons 25 through 74 years of age, 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-rays of the cervical and lumbar spine were taken to provide evidence of osteoarthritis and degenerative disc disease, and an
2. X-ray of the chest was taken to be used in the diagnosis of respiratory diseases and to serve as a measure of left ventricular enlargement.

F. 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 6 through 74 years of age.
2. Urinary sediments, including red cells, white cells, and casts, were measured for a subsample of examined adults 20 through 74 years of age.
3. Gonorrhea cultures of urinary sediments were performed for male and female examined persons 12 through 40 years of age. However, of those females who received the Glucose Tolerance Test (GTT), only those 20 through 24 years had the gonorrhea test performed.
4. Analyses for pesticide residue and metabolite levels were carried out on a subsample of examined persons 12 through 74 years of age, including measures of the body burdens from exposure to alkyl phosphate residues and metabolites, carbamate residues, phenolic compound residues and malathion metabolites.

G. 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 on page 39 of the Series 1, No. 15 program description.⁸

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 subsample of examined adults 20 through 74 years of age to provide estimates of the prevalence of diabetes.

2. Tests related to liver function

- a. A post-prandial liver bile acid test was performed to measure the ability of the liver to remove bile acids from the blood. This involved consumption of a food preparation, which induces eventual addition of bile acids to the blood via contraction of the gallbladder, and subsequent collection of blood specimens.
- 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, B₁₂, and the determination of abnormal hemoglobin.

4. Other nutritional biochemistries

These tests included 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.

V. APPENDIX B

Excerpt for Final Report of Contract X-Ray Reader

Nodules were divided into those the reader believed were:

- 1) nipple shadows,
- 2) extra-pulmonary densities,
- 3) radio-dense or calcified lesion judged to be secondary to a remote granulomatous infection, such as a fungal infection, a viral infection, or tuberculosis, and
- 4) "other" nodules which had a reasonably high probability of representing a neoplasm, a tumor of non-infectious etiology, or an infectious disease which had been recently acquired.

The nipple shadows and the extra-pulmonary nodules were recorded because they were potential sources of error in identification of pulmonary nodules. This recording was helpful in editing and adjudicating. It should not be used for prevalence estimates and was not meant for correlation with the other pulmonary data.

The sizes of the intrapulmonary nodules were recorded in millimeters. The nodules were frequently asymmetrical. The measurement instructions were not explicit as to how to measure an asymmetric nodule. Hence, the two readings were frequently different by a few millimeters—usually no more than two. However, this small difference in reading resulted in the x-rays being recalled for adjudication. The difference was resolved by reader #2 remeasuring the nodules and adjudicating the reading to the maximal diameter of the nodule.

The coding of the abnormalities by location in the lung presented a problem with adjudication. Precise anatomical location is difficult to establish from x-rays even when both posterior-anterior and lateral films are available.

The etiology of the nodules represents a judgement on the part of the readers, and it proved to have reasonable inter-reader agreement.

There was very good agreement between the readers as to the presence of pulmonary infiltrates. However, the readers varied as to how they coded a given infiltrate. Platelike atelectasis presented a particular problem in coding. This abnormality was coded by some as a nonhomogeneous, nonsegmental lesion; by others as a homogeneous symmetrical lesion; and by others as "other" with a comment of platelike atelectasis.

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