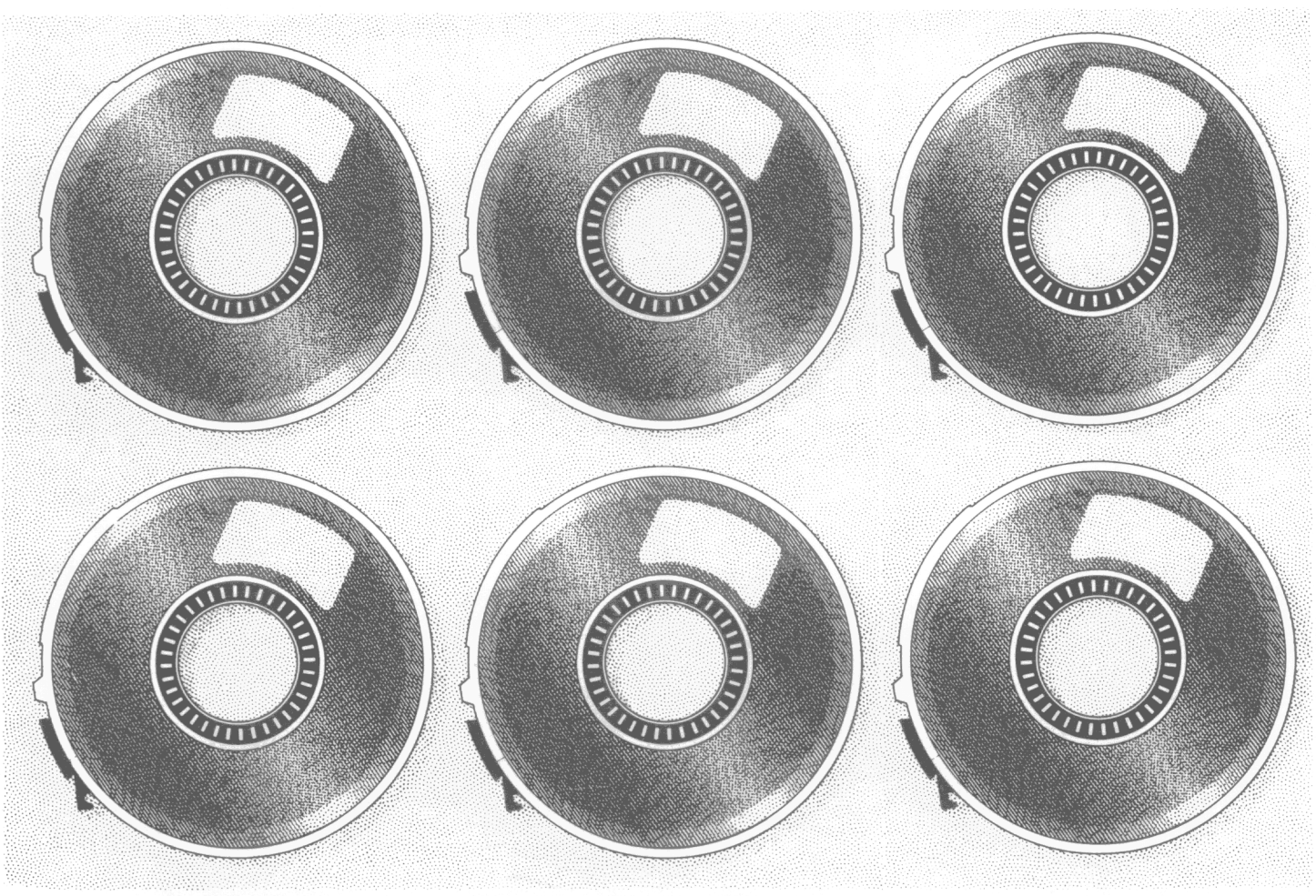


Public Use Data Tape Documentation

Chest X-Ray, Pulmonary Diffusion, and Tuberculin Test Results
Ages 25-74, Tape Number 4251

National Health and Nutrition Examination Survey, 1971-75



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



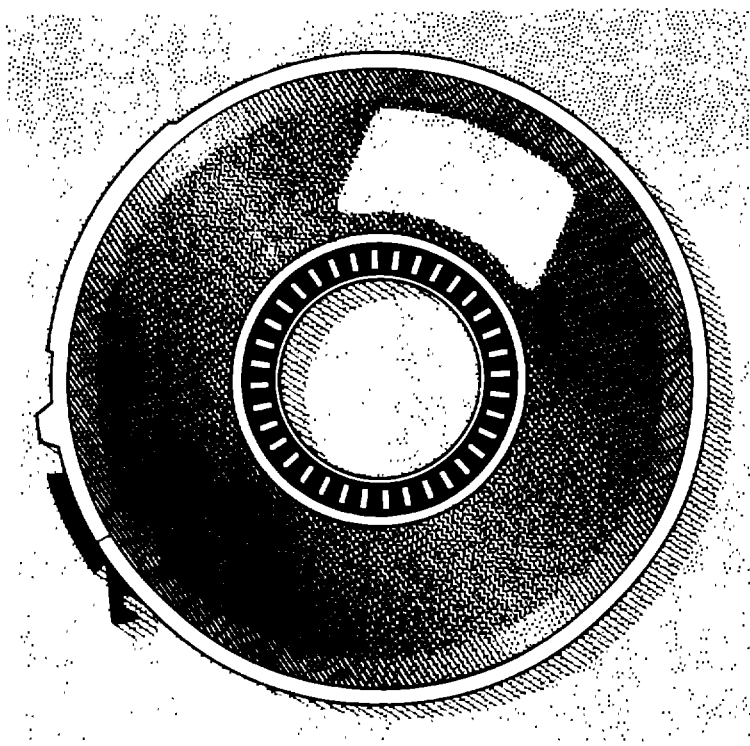
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Data Tape

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National Health and Nutrition Examination Survey, 1971–75



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

Hyattsville, Maryland
March 1991

The data compilation and documentation necessary for the Chest X-Ray, Pulmonary Diffusion, and Tuberculin Test Results Data Tape were done by Terence Drizd, Jean Roberts, Robinson Fulwood, and Olivia Carter of the Division of Health Examination Statistics, National Center for Health Statistics. A special note of gratitude is due Carol Alexander who patiently typed and retyped this material.

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CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS

National Health and Nutrition Examination Survey, NHANES I, 1971-1975

Description of Survey: A detailed description of the design, content and operation of the NHANES I is provided in the following reports: Plan and Operation of the Health and Nutrition Examination Survey, DHEW, Pub. No. (HSM) 73-1310, Series 1, Nos. 10a and 10b, Public Health Service, Washington, D.C., U.S. Government Printing Office, February 1973. Also provided is a report on the augmentation survey of adults describing the relevant field work conducted between July 1974 and October 1975 (Plan and Operation of the NHANES I Augmentation Survey of Adults 25-74 Years, United States, 1974-1975, DHEW, Pub. No. (PHS) 78-1314, Series 1, No. 14, Public Health Service, Washington, D.C., U.S. Government Printing Office, June 1978.)

Target Population: NHANES I was conducted on a nationwide probability sample of approximately 32,000 persons, ages 1-74 years, from the civilian noninstitutionalized population of the coterminous United States, excepting those persons residing on Indian reservations. The survey started in April 1971 and for many survey components was completed in June 1974. The NHANES I sample was selected so that certain population groups thought to be at high risk of malnutrition (persons with low incomes, preschool children, women of childbearing age and the elderly) were oversampled at known rates. Adjusted sampling weights were then computed within 60 age, sex and race categories in order to inflate the sample in such a manner as to closely reflect the civilian noninstitutionalized population, ages 1-74, of the United States at the midpoint of the survey (Nov. 1, 1972).

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

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

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

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

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

Use of NHANES Data

With the goal of mutual benefit, the National Center for Health Statistics (NCHS) requests the cooperation of recipients of data tapes in certain actions related to their use:

- A. Any published material derived from the data should acknowledge the NCHS as the original source. It should also include a disclaimer which credits any analyses, interpretations, or conclusions reached to the author (recipient of the tape) and not to NCHS, which is responsible only for the initial data.
- B. Consumers who wish to publish a technical description of the data will make a reasonable effort to insure that the description is not inconsistent with that published by NCHS. This does not mean, however, that NCHS will review such descriptions.
- C. NCHS would appreciate receiving reprints of journal articles or other publications based on findings from the NHANES I survey. Please forward copies to:

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

Errors in the Data Sets and Survey Differences

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

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

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

Variance Estimation

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

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

One computer program (accessed through the Statistical Analysis System¹) uses the Strata-PSU codes provided for NHANES to compute complex sample variances. This computer program, named SESUDAAN, may be obtained from the Research Triangle Institute in Research Triangle Park, North Carolina².

¹SAS Institute, Inc., Post Office Box 10066, Raleigh, North Carolina 27605

²B.V. Shah, "SESUDAAN: Standard Errors Program for Computing of Standardized Rates from Sample Survey Data." Research Triangle Institute, Research Triangle Park, N.C., RTI/5250-00-01S, April 1981.

Recode Specifications for Strata-PSU Codes

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

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

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

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

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

*See detailed note for tape positions 158-193.

Tape Characteristics

Title: Chest X-Ray, Pulmonary Diffusion, and Tuberculin Test Results

Catalog Number: 4251

Data Set Name: HEHANESI.DU425101

Record Length: 600

Blocksize: 3600

Number of Records: 6913

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

General Notes

Asterisks on the Tape Description: Some of the data items were obtained only for a particular subsample of NHANES. Consequently some of these items appear to have a great deal of missing data (coded as BLANK) due to nonresponse, but in fact the data is missing because the design of NHANES dictated that the item was to be obtained only for a particular subsample. (For further discussion of the various subsamples in NHANES the user should see the detailed note for tape positions 158-193).

To alert the user to this fact, asterisks were put on the tape description. One asterisk denotes that the data item was obtained only for examinees at locations 1-65; two asterisks denote that the data item was obtained only for examinees at locations 66-100.

Demographic Information: An advance letter, announcing the forthcoming arrival of an interviewer from the U.S. Bureau of the Census, was mailed to each household that fell into the sample area. The interviewer subsequently visited the household to ascertain its composition and to administer a questionnaire, the primary purpose of which was to obtain demographic information. The questionnaire was administered to each potential sample person that was available and competent enough to respond to questions. In the event that a potential sample person was not at home at the time of the interview, any responsible adult in the household was asked to respond to the questions for the absent person. Demographic Information for each of the examinees appears in tape positions 1-200.

NHANES I Data Source or Notes: The tape description contains one column describing the source of each data item, or referring the reader to detailed notes providing relevant information about the data item. The detailed notes can be found after the tape description, and can contain information about the meaning, the derivation or the application of the associated data item. In addition to information about the demographic data items, detailed notes in this document refer to lung and heartsize measurement techniques, cardiopulmonary pathology assessment criteria, and adjudication procedures.

DEMOGRAPHIC DATA SUMMARY - NHANES I

	<u>Tape Positions</u>
Sample sequence number.....	1
Size of Place.....	10
SMSA-not SMSA.....	11
Type of living quarters.....	12
Land usage.....	13
If rural, asked - How many acres of land are included?.....	14
If 10 acres or more asked - Sale of crops, etc. amount to \$50 or more?.	15
If less than 10 acres asked - Sale of crops, etc. amount to \$250 or more?.....	16
Age - Head of household.....	17
Sex - Head of household.....	19
Highest grade attended - head of household	20
Race - head of household.....	22
Total number of persons in household.....	23
Total sample persons in household.....	25
Number of rooms in house.....	27
Is there piped water?.....	28
If yes, is there hot and cold piped water?.....	29
If yes to piped water - Does house have a sink with piped water?.....	30
Does house have a range or cook stove?.....	31
Does house have a refrigerator?.....	32
Are kitchen facilities used by anyone not living in household?.....	33
Total family income group.....	34
Note: The following income questions were asked <u>only</u> if "Total Family Income" was less than \$7,000.	
During the Past Year Did You or Any Members of Your Family Receive Money From:	
Wages or salaries.....	36
If yes - How much altogether before deductions?.....	37
Social Security or Railroad Retirement.....	41
If yes - How much altogether?.....	42
Welfare payments or other public assistance.....	46
If yes - How much altogether?.....	47
Unemployment or Workman's Compensation.....	51
If yes - How much altogether?.....	52
Government employee pensions or private pensions.....	56
If yes - How much altogether?.....	57

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

	<u>Tape Position</u>
Was he looking for work or on lay-off from a job?.....	128
If yes - Which?.....	129
Class of worker.....	130
If self-employed in "own" business and not a farm, is the business incorporated?.....	131
Business or industry code.....	132
Occupation code.....	135
Date of examination.....	138
Age at examination.....	144
Farm/Non-Farm.....	146
Poverty index.....	147
Region.....	150
FOOD PROGRAMS APPLICABILITY.....	151
Are you certified to participate in the food stamp program?.....	152
Are you buying food stamps now?.....	153
What is the main reason you aren't participating in the program?.....	154
Are you certified to participate in the commodity distribution program?	155
Are you receiving commodity foods now for your family?.....	156
Why aren't you participating in the program?.....	157
SAMPLE WEIGHTS.....	158
Strata.....	194
Primary Sampling Units (PSU).....	196

Chest X-Ray, Pulmonary Diffusion, and Tuberculin Test Results

SUMMARY

	<u>Tape Positions</u>
Catalog number - 4251	201
<u>Planimetry</u>	
Left lung surface area.....	205
Right lung surface area.....	210
Thoracic diameter - PA.....	215
Thoracic diameter - lateral 1.....	219
Thoracic diameter - lateral 2.....	223
Tracheal diameter - T2.....	227
Tracheal diameter - T3.....	230
Lateral area.....	233
<u>Heartsizes</u>	
A1-A2.....	238
B1-B2.....	242
C1-C2.....	246
D1-D2.....	250
E1-E2.....	254
<u>Pathology First Readings</u>	
Cardiopulmonary findings.....	258
Kyphosis.....	259
Scoliosis.....	260
Pectus.....	261
Rib fractures.....	262
Location of rib fractures.....	263
Minimum rib number right.....	264
Maximum rib number right.....	266
Minimum rib number left.....	268
Maximum rib number left.....	270
Healing status.....	272
Nipple shadows.....	273
Other extrapulmonary nodules.....	274

Tape
Positions

Intrapulmonary nodules.....	275
Size of largest.....	276
Location of largest (stands 66-100).....	279
Specific lobe (stands 66-100).....	280
Relative location of largest (stands 1-65).....	282
Size of second largest.....	283
Location of second largest (stands 66-100).....	286
Specific lobe (stands 66-100).....	287
Relative location of second largest (stands 1-65).....	289
Number of nodules.....	290
Number of segments containing nodules.....	291
Are segments containing nodules contiguous?.....	292
Etiology of nodules.....	293
Localized segmental infiltrates (stands 66-100).....	294
Location of infiltrates: Specific lobe (stands 66-100).....	295
Localized segmental infiltrates (stands 1-65).....	297
Diffuse nonsegmental nonhomogeneous infiltrates (stands 66-100).....	298
Diffuse nonsegmental nonhomogeneous infiltrates (stands 1-65).....	299
Underlying condition.....	300
Diffuse homogeneous symmetrical infiltrates.....	301
Presumed etiology.....	302
Proportion or fraction of PA X-ray which appears normal.....	303
Other infiltrates.....	304
Emphysema.....	305
Blebs or bullae.....	306
Calcified nodes.....	307
Enlarged nodes.....	309
Pleural disease.....	310
Location of pleural disease.....	311
Presumed cause of effusion.....	312
Azygos vein.....	313
Locus of pulmonary artery enlargement.....	314
Enlargement of right heart.....	316
Cephalization of pulmonary vessels.....	317
Interstitial fluid.....	318
Kerley lines.....	319
Rosettes.....	320
Alveolar fluid.....	321
Enlargement of left heart.....	322

Tape
Positions

Pathology Second Readings

Cardiopulmonary findings.....	323
Kyphosis.....	324
Scoliosis.....	325
Pectus.....	326
Rib fractures.....	327
Location of rib fractures.....	328
Minimum rib number right.....	329
Maximum rib number right.....	331
Minimum rib number left.....	333
Maximum rib number left.....	335
Healing status.....	337
Nipple shadows.....	338
Other extrapulmonary nodules.....	339
Intrapulmonary nodules.....	340
Size of largest.....	341
Location of largest.....	344
Specific lobe.....	345
Size of second largest.....	348
Location of second largest.....	351
Specific lobe.....	352
Number of nodules.....	355
Number of segments containing nodules.....	356
Are segments containing nodules contiguous?.....	357
Etiology of nodules.....	358
Localized segmental infiltrates.....	359
Location of infiltrates: Specific lobe.....	360
Diffuse nonsegmental nonhomogeneous infiltrates.....	363
Underlying condition.....	365
Diffuse homogeneous symmetrical infiltrates.....	366
Presumed etiology.....	367
Proportion or fraction of PA X-ray which appears abnormal.....	368
Other infiltrates.....	369
Emphysema.....	370
Blebs or bullae.....	371
Calcified nodes.....	372
Enlarged nodes.....	374
Pleural disease.....	375
Location of pleural disease.....	376
Presumed cause of effusion.....	377
Azygos vein enlarged.....	378
Locus of pulmonary artery enlargement.....	379
Enlargement of right heart.....	381

Tape
Positions

Cephalization of pulmonary vessels.....	382
Interstitial fluid.....	383
Kerley lines.....	384
Rosettes.....	385
Alveolar fluid.....	386
Enlargement of left heart.....	387
 <u>Pathology Final Readings</u>	
Cardiopulmonary findings.....	388
Kyphosis.....	389
Scoliosis.....	390
Pectus.....	391
Rib fractures.....	392
Location of rib fractures.....	393
Minimum rib number right.....	394
Maximum rib number right.....	396
Minimum rib number left.....	398
Maximum rib number left.....	400
Healing status.....	402
Nipple shadows.....	403
Other extrapulmonary nodules.....	404
Intrapulmonary nodules.....	405
Size of largest.....	406
Location of largest (stands 66-100).....	409
Specific lobe (stands 66-100).....	410
Relative location of largest (stands 1-65).....	412
Size of second largest.....	413
Location of second largest.....	416
Specific lobe (stands 66-100).....	417
Relative location of second largest.....	419
Number of nodules.....	420
Number of segments containing nodules.....	421
Are segments containing nodules contiguous?.....	422
Etiology of nodules.....	423
Localized segmental infiltrates (stands 66-100).....	424
Location of infiltrates: Specific lobe (stands 66-100).....	425
Localized segmental infiltrates (stands 1-65).....	427
Diffuse nonsegmental nonhomogeneous infiltrates (stands 66-100).....	428
Diffuse nonsegmental nonhomogeneous infiltrates (stands 1-65).....	429
Underlying condition.....	430
Diffuse homogeneous symmetrical infiltrates.....	431
Presumed etiology.....	432
Proportion or fraction of PA X-ray which appears abnormal.....	433
Other infiltrates.....	434

Tape
Positions

Emphysema.....	435
Blebs or bullae.....	436
Calcified nodes.....	437
Enlarged nodes.....	439
Pleural disease.....	440
Location of pleural disease.....	441
Presumed cause of effusion.....	442
Azygos vein enlarged.....	443
Locus of pulmonary artery enlargement.....	444
Enlargement of right heart.....	446
Cephalization of pulmonary vessels.....	447
Interstitial fluid.....	448
Kerley lines.....	449
Rosettes.....	450
Alveolar fluid.....	451
Enlargement of left heart.....	452

Pulmonary Diffusion

D _L CO - First Trial.....	501
D _L CO - Second Trial.....	504
D _L CO - Third Trial.....	507
Summary D _L CO.....	510

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Site injected.....	551
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Where were results read?.....	556
Days between test and reading.....	557
Type of reader.....	558
Was test read?.....	559
PPD-S and PPD-B both present: difference in readings.....	560
Induration reading classification: PPD-S and PPD-B.....	563

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

DEMOGRAPHIC DATA TAPE
(n=6913)

ALL SAMPLE PERSONS
LOCATIONS 1-100

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
	<u>DEMOGRAPHIC DATA</u>		
1-5	<u>Sample sequence number</u>		
6-9	<u>Catalog number</u> 4271	6913	
10	<u>Size of place</u>		
	1 - Urbanized area with 3,000,000 or more	1076	Household Questionnaire See Detailed Notes
	2 - Urbanized area with 1,000,000 to 2,999,999	824	
	3 - Urbanized area with 250,000 to 999,999	1091	
	4 - Urbanized area under 250,000	627	
	5 - Urban place 25,000 or more outside urbanized area	120	
	6 - Urban place 10,000 to 24,999 outside urbanized area	338	
	7 - Urban place 2,500 to 9,999 outside urbanized area	403	
	8 - Rural	2434	
11	<u>SMSA - Not SMSA</u>		
	1 - In SMSA, in central city	2038	Household Questionnaire See Detailed Notes
	2 - In SMSA, not in central city	2175	
	4 - Not in SMSA	2700	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

ALL SAMPLE PERSONS
LOCATIONS 1-100

DEMOGRAPHIC DATA TAPE
(n=6913)

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
12	<u>Type of living quarters</u> 1 - Housing Unit 2 - Other unit	6872 41	Household Questionnaire
13	<u>Land usage</u> 1 - All other 2 - Rural	4535 2378	Household Questionnaire
14	<u>If rural, asked</u> <u>How many acres of land are included?</u> 1 - 10 or more acres 2 - Less than 10 acres 9 - Not applicable	658 1720 4535	Household Questionnaire
15	<u>If 10 acres or more, asked if</u> <u>Sale of crops, etc. amount to \$50 or more?</u> 2 - Yes 4 - No 9 - Not applicable	402 256 6255	Household Questionnaire
16	<u>If 10 acres or less, asked if</u> <u>Sale of crops, etc. amount to \$250 or more?</u> 3 - Yes 5 - No 9 - Not applicable	50 1670 5193	Household Questionnaire

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

ALL SAMPLE PERSONS
LOCATIONS 1-100

DEMOGRAPHIC DATA TAPE
(n=6913)

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
17-18	<u>Age - Head of household</u> 19-92 - As given 00 - Blank, but applicable Blank	3852 2 3059	*Household Questionnaire
19	<u>Sex - Head of household</u> 1 - Male 2 - Female Blank	3217 637 3059	*Household Questionnaire
20-21	<u>Highest grade attended - Head of household</u> 10 - None 21 - 1st grade 22 - 2nd grade 23 - 3rd grade 24 - 4th grade 25 - 5th grade 26 - 6th grade 27 - 7th grade 28 - 8th grade 31 - 9th grade 32 - 10th grade 33 - 11th grade 34 - 12th grade 41 - First year of college 42 - Second year of college 43 - Third year of college 44 - Fourth year of college 45 - Graduate 88 - Blank, but applicable Blank	54 18 31 74 82 104 156 147 557 194 261 168 1047 117 204 71 216 234 119 3059	*Household Questionnaire

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

ALL SAMPLE PERSONS
LOCATIONS 1-100

DEMOGRAPHIC DATA TAPE
(n=6913)

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
22	<u>Race - Head of household</u> 1 - White 2 - Negro 3 - Other Blank	3209 612 33 3059	*Household Questionnaire See Detailed Notes
23-24	<u>Total number of persons in household</u> 01-16 - As given	6913	Household Questionnaire
25-26	<u>Total sample persons in household</u> 01-06 - As given	6913	Household Questionnaire
27	<u>Number of rooms in house</u> 1-8 - As given 9 - 9 or more Blank	3678 176 3059	*Household Questionnaire
28	<u>Is there piped water?</u> 1 - Yes 2 - No Blank	3753 101 3059	*Household Questionnaire
29	<u>If yes, Is there hot and cold piped water?</u> 1 - Yes 2 - No 9 - Not applicable Blank	3655 100 99 3059	*Household Questionnaire

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

DEMOGRAPHIC DATA TAPE
(n=6913)

ALL SAMPLE PERSONS
LOCATIONS 1-100

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
30	<u>If yes to piped water - Does house have a sink with piped water?</u> 1 - Yes 2 - No 9 - Not applicable Blank	3726 29 99 3059	*Household Questionnaire
31	<u>Does house have a range or cook stove?</u> 1 - Yes 2 - No Blank	3815 39 3059	*Household Questionnaire
32	<u>Does house have a refrigerator?</u> 1 - Yes 2 - No Blank	3815 39 3059	*Household Questionnaire
33	<u>Are kitchen facilities used by anyone not living in household?</u> 1 - Yes 2 - No 9 - Not applicable Blank	124 3627 103 3059	*Household Questionnaire

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

DEMOGRAPHIC DATA TAPE
(n=6913)

ALL SAMPLE PERSONS
LOCATIONS 1-100

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
34-35	<u>Total Family Income Group</u>		Household Questionnaire See Detailed Notes
	11 - Under \$1,000 (including loss)	117	
	12 - \$1,000-1,999	330	
	13 - \$2,000-2,999	378	
	14 - \$3,000-3,999	392	
	15 - \$4,000-4,999	372	
	16 - \$5,000-5,999	336	
	17 - \$6,000-6,999	329	
	18 - \$7,000-9,999	1202	
	19 - \$10,000-14,999	1519	
	20 - \$15,000-19,999	842	
	21 - \$20,000-24,999	431	
	22 - \$25,000 and over	390	
	88 - Blank, but applicable	275	
	<u>Note:</u> The following income questions were asked <u>only</u> if "Total Family Income" was less than \$7,000.		
	DURING THE PAST YEAR DID YOU OR ANY MEMBERS OF YOUR FAMILY RECEIVE MONEY FROM:		
36	<u>Wages or salaries?</u>		*Household Questionnaire
	1 - Yes	763	
	2 - No	697	
	8 - Blank, but applicable	140	
	9 - Not applicable	2254	
	Blank	3059	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

DEMOGRAPHIC DATA TAPE
(n=6913)

ALL SAMPLE PERSONS
LOCATIONS 1-100

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
37-40	<u>If yes to above, how much altogether before deductions?</u> 0001-6999 - As given 8888 - Blank, but applicable 9999 - Not applicable Blank	709 194 2951 3059	*Household Questionnaire
41	<u>Social Security or Railroad Retirement?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable Blank	721 737 142 2254 3059	*Household Questionnaire
42-45	<u>If yes to above, how much altogether?</u> 0001-6999 - As given 8888 - Blank, but applicable 9999 - Not applicable Blank	699 164 2991 3059	*Household Questionnaire
46	<u>Welfare payments or other public assistance?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable Blank	319 1133 148 2254 3059	*Household Questionnaire

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

ALL SAMPLE PERSONS
LOCATIONS 1-100

DEMOGRAPHIC DATA TAPE
(n=6913)

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
47-50	<u>If yes to above, how much altogether?</u>		*Household Questionnaire
	0001-6999 - As given	314	
	8888 - Blank, but applicable	153	
	9999 - Not applicable	3387	
	Blank	3059	
51	<u>Unemployment or Workmen's Compensation?</u>		*Household Questionnaire
	1 - Yes	59	
	2 - No	1391	
	8 - Blank, but applicable	150	
	9 - Not applicable	2254	
	Blank	3059	
52-55	<u>If yes to above, how much altogether?</u>		*Household Questionnaire
	0001-6999 - As given	57	
	8888 - Blank, but applicable	152	
	9999 - Not applicable	3645	
	Blank	3059	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

DEMOGRAPHIC DATA TAPE
(n=6913)

ALL SAMPLE PERSONS
LOCATIONS 1-100

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
56	<u>Government Employee Pensions or Private Pensions?</u>		*Household Questionnaire
	1 - Yes	154	
	2 - No	1299	
	8 - Blank, but applicable	147	
	9 - Not applicable	2254	
	Blank	3059	
57-60	<u>If yes to above, how much altogether?</u>		*Household Questionnaire
	0001-6999 - As given	149	
	8888 - Blank, but applicable	152	
	9999 - Not applicable	3553	
	Blank	3059	
61	<u>Dividends, interest or rent?</u>		*Household Questionnaire
	1 - Yes	231	
	2 - No	1223	
	8 - Blank, but applicable	146	
	9 - Not applicable	2254	
	Blank	3059	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

DEMOGRAPHIC DATA TAPE
(n=6913)

ALL SAMPLE PERSONS
LOCATIONS 1-100

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
62-65	<u>If yes to above, how much altogether?</u> 0001-6999 - As given 8888 - Blank, but applicable 9999 - Not applicable Blank	212 165 3477 3059	*Household Questionnaire
66	<u>Net income from own non-farm business, professional practice or partnership?</u> 1 - Yes 2 - No 3 - Loss 8 - Blank, but applicable 9 - Not applicable Blank	67 1384 4 145 2254 3059	*Household Questionnaire
67-70	<u>If yes to above, how much altogether?</u> 0000-7500 - As given 8888 - Blank, but applicable 9999 - Not applicable Blank	57 159 3638 3059	*Household Questionnaire

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

DEMOGRAPHIC DATA TAPE
(n=6913)

ALL SAMPLE PERSONS
LOCATIONS 1-100

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
71	<u>Net income from a farm?</u>		*Household Questionnaire
	1 - Yes	102	
	2 - No	1348	
	3 - Loss	5	
	8 - Blank, but applicable	145	
	9 - Not applicable	2254	
	Blank	3059	
72-75	<u>If yes to above, how much altogether?</u>		*Household Questionnaire
	0000-6999 - As given	98	
	8888 - Blank, but applicable	154	
	9999 - Not applicable	3602	
	Blank	3059	
76	<u>Veteran's payments?</u>		*Household Questionnaire
	1 - Yes	104	
	2 - No	1348	
	8 - Blank, but applicable	147	
	9 - Not applicable	2255	
	Blank	3059	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

ALL SAMPLE PERSONS
LOCATIONS 1-100

DEMOGRAPHIC DATA TAPE
(n=6913)

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
77-80	<u>If yes to above, how much altogether?</u> 0001-6999 - As given 8888 - Blank, but applicable 9999 - Not applicable Blank	99 152 3603 3059	*Household Questionnaire
81	<u>Alimony, child support or contributions from persons not living in household?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable Blank	50 1403 146 2255 3059	*Household Questionnaire
82-85	<u>If yes to above, how much altogether?</u> 0001-6999 - As given 8888 - Blank, but applicable 9999 - Not applicable Blank	47 149 3658 3059	*Household Questionnaire

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

ALL SAMPLE PERSONS
LOCATIONS 1-100

DEMOGRAPHIC DATA TAPE
(n=6913)

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
86	<u>Any other income?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable Blank	63 1386 150 2255 3059	*Household Questionnaire
87-90	<u>If yes to above, how much altogether?</u> 0001-6999 - As given 8888 - Blank, but applicable 9999 - Not applicable Blank	60 153 3641 3059	*Household Questionnaire
91-94	<u>Total amount (Total of Positions 37-90)</u> 0000-6999 - As given 8888 - Blank, but applicable 9999 - Not applicable Blank	1363 237 2254 3059	*Household Questionnaire

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

ALL SAMPLE PERSONS
LOCATIONS 1-100

DEMOGRAPHIC DATA TAPE
(n=6913)

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
95-99	<u>FAMILY UNIT CODE</u> 00001-23180	6913	Computer Generated See Detailed Notes
100	<u>Relationship to head of household</u> 1 - Head (1 person living alone or with non-relatives) 2 - Head (2 or more related persons in family) 3 - Wife 4 - Child 5 - Other relative	849 3120 2601 163 180	Household Questionnaire
101-102	<u>Age at interview</u> 25-74 - As given	6913	Household Questionnaire
103	<u>Race of examined person</u> 1 - White 2 - Negro 3 - Other	5968 873 72	Household Questionnaire See Detailed Notes
104	<u>Sex of examined person</u> 1 - Male 2 - Female	3171 3742	Household Questionnaire

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

ALL SAMPLE PERSONS
LOCATIONS 1-100

DEMOGRAPHIC DATA TAPE
(n=6913)

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
105	<u>Marital status</u>		Household Questionnaire
	1 - Under 17	0	
	2 - Married	5314	
	3 - Widowed	598	
	4 - Never married	451	
	5 - Divorced	343	
	6 - Separated	201	
	8 - Blank, but applicable	6	34
106-109	<u>Date of birth (month, year)</u>		Household Questionnaire
	01-12 - Month as given	6913	
	00-99 - Year (1896-1973) as given	6913	
110-111	<u>Place of birth</u>		Household Questionnaire See Detailed Notes
	01-02		
	04-06		
	08-13		
	15-42 As given	6881	
	44-51		
	53-56		
	60-81		
	91-97		
	88 - Blank, but applicable	32	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

DEMOGRAPHIC DATA TAPE
(n=6913)

ALL SAMPLE PERSONS
LOCATIONS 1-100

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
112-113	<u>Highest grade of regular school ever attended?</u>		Household Questionnaire
	10 - None	66	
	21 - 1st Grade	21	
	22 - 2nd Grade	41	
	23 - 3rd Grade	92	
	24 - 4th Grade	110	
	25 - 5th Grade	128	
	26 - 6th Grade	203	
	27 - 7th Grade	211	
	28 - 8th Grade	780	
	31 - 9th Grade	334	
	32 - 10th Grade	480	
	33 - 11th Grade	343	
	34 - 12th Grade	2334	
	41 - First year of college	324	
	42 - Second year of college	399	
	43 - Third year of college	146	
	44 - Fourth year of college	464	
	45 - Graduate	404	
	77 - Special School	0	
	88 - Blank, but applicable	33	
	99 - Not applicable	0	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

ALL SAMPLE PERSONS
LOCATIONS 1-100

DEMOGRAPHIC DATA TAPE
(n=6913)

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
114	<u>Did he finish the grade?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable	5436 1307 104 66	Household Questionnaire
115	<u>Is he attending school now?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable Blank	0 0 0 3854 3059	*Household Questionnaire
116	<u>Has he ever attended a school of any kind?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable Blank	0 0 0 3854 3059	*Household Questionnaire

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

DEMOGRAPHIC DATA TAPE
(n=6913)

ALL SAMPLE PERSONS
LOCATIONS 1-100

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
117	<u>If yes, what kind of school?</u> 9 - Not applicable Blank	3854 3059	*Household Questionnaire
118	<u>Is any language other than English frequently spoken in the household?</u> 1 - Yes 2 - No 8 - Blank, but applicable	673 6198 42	Household Questionnaire
119	<u>If yes, what language(s)?</u> 0 - German 1 - Italian 2 - French 3 - Polish 4 - Russian 5 - Spanish 6 - Chinese 7 - Other languages 8 - Blank, but applicable 9 - Not applicable	47 54 93 59 8 242 19 144 49 6198	Household Questionnaire

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

ALL SAMPLE PERSONS
LOCATIONS 1-100

DEMOGRAPHIC DATA TAPE
(n=6913)

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
120-121	<u>What is your main ancestry or national origin?</u>		Household Questionnaire
	00 - German	1256	
	01 - Irish	940	
	02 - Italian	242	
	03 - French	325	
	04 - Polish	207	
	05 - Russian	67	
	06 - English	975	
	07 - Spanish	112	
	08 - Mexican	128	
	09 - Chinese	20	
	10 - Japanese	14	
	11 - American Indian	82	
	12 - Negro	868	
	13 - Jewish	24	
	14 - American	478	
	15 - Other	979	
	88 - Blank, but applicable	15	
	99 - Don't know	181	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

ALL SAMPLE PERSONS
LOCATIONS 1-100

DEMOGRAPHIC DATA TAPE
(n=6913)

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
122	<u>What was he doing most of the past three months?</u>		Household Questionnaire
	1 - Working	3741	
	2 - Keeping house	2207	
	3 - Something else	952	
	8 - Blank, but applicable	13	
	9 - Not applicable	0	
123	<u>If "something else" from above, what was he doing?</u>		Household Questionnaire
	0 - Laid off	32	
	1 - Retired	549	
	2 - Student	56	
	3 - Other	57	
	4 - Ill	68	
	5 - Staying home	29	
	6 - Looking for work	23	
	7 - Unable to work	138	
	8 - Blank, but applicable	13	
	9 - Not applicable	5948	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

ALL SAMPLE PERSONS
LOCATIONS 1-100

DEMOGRAPHIC DATA TAPE
(n=6913)

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
124	<u>If "keeping house" or "something else" from above, did he work at a job or business at any time during the past three months?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable	401 2755 16 3741	Household Questionnaire
125	<u>If "working" from above, did he work full-time or part-time?</u> 1 - Full-time 2 - Part-time 8 - Blank, but applicable 9 - Not applicable	3439 702 17 2755	Household Questionnaire
126	<u>Did he work at any time last week or the week before? (not around the house)</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable	3738 384 36 2755	Household Questionnaire

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

ALL SAMPLE PERSONS
LOCATIONS 1-100

DEMOGRAPHIC DATA TAPE
(n=6913)

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
127	<u>If "no" to above, even though he did not work during that time, does he have a job or business?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable	277 2861 37 3738	Household Questionnaire
128	<u>If "no" in position 126, was he looking for work or on lay-off from a job?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable	218 2920 37 3738	Household Questionnaire

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

DEMOGRAPHIC DATA TAPE
(n=6913)

ALL SAMPLE PERSONS
LOCATIONS 1-100

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
129	<u>If yes to above - which?</u> 1 - Looking 2 - Lay-off 3 - Both 8 - Blank, but applicable 9 - Not applicable	127 72 19 37 6658	Household Questionnaire
130	<u>Class of worker</u> 1 - Private paid 2 - Government-Federal 3 - Government-Other 4 - Own 5 - Non-paid 6 - Never worked 8 - Blank, but applicable 9 - Not applicable	2900 175 584 512 49 9 16 2668	Household Questionnaire
131	<u>If self-employed in "own" business and not a farm, is the business incorporated?</u> 1 - Yes 2 - No 8 - Blank, but applicable 9 - Not applicable	70 369 16 6458	Household Questionnaire

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

ALL SAMPLE PERSONS
LOCATIONS 1-100

DEMOGRAPHIC DATA TAPE
(n=6913)

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
132-134	<u>Business or Industry Code</u> 000 - Blank, but applicable 017-999 - As given	4 6909	Household Questionnaire See Detailed Notes
135-137	<u>Occupation Code</u> 000 - Blank, but applicable 001-995 - As given	6 6907	Household Questionnaire See Detailed Notes
138-143	<u>Date of examination</u> Month - 01-12 as given Day - 01-31 as given Year - 71-75 as given	6913 6913 6913	Control Record
144-145	<u>Age at examination</u> 25-75 - As given	6913	Computer generated
146	<u>Farm</u> 1 - Farm 2 - Nonfarm	452 6461	Computer generated See Detailed Notes

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

DEMOGRAPHIC DATA TAPE
(n=23808)

ALL SAMPLE PERSONS
LOCATIONS 1-100

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
147-149	<u>Poverty Index (X.XX)</u> 001-997 - As computed 998 - Computed index 998 or greater 999 - Unknown Blank	3671 9 174 3059	Computer generated *See Detailed Notes
150	<u>Region</u> 1 - Northeast 2 - Midwest 3 - South 4 - West	1609 1710 1763 1831	Computer generated See Detailed Notes
151	<u>FOOD PROGRAMS APPLICABILITY</u> 1 - Not applicable 2 - No program available 3 - Food stamps available 4 - Commodities available 8 - Blank, but applicable Blank	2952 14 771 107 10 3059	*Food Programs Questionnaire

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NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

ALL SAMPLE PERSONS
LOCATIONS 1-100

DEMOGRAPHIC DATA TAPE
(n=23808)

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
152	<u>Are you certified to participate in the food stamp program?</u> 1 - Yes 2 - No 9 - Don't know Blank	299 348 19 3059	*Food Programs Questionnaire
153	<u>Are you buying stamps now?</u> 1 - Yes, regularly 2 - Yes, occasionally 3 - No 8 - Blank, but applicable Blank	238 14 46 1 6614	*Food Programs Questionnaire
154	<u>What is the main reason you aren't participating in the program?</u> 1 - No need 2 - Not enough money at the time 3 - No transportation 4 - Pride 5 - Other 8 - Blank, but applicable Blank	8 15 1 2 17 3 6867	*Food Programs Questionnaire

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NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

ALL SAMPLE PERSONS
LOCATIONS 1-100

DEMOGRAPHIC DATA TAPE
(n=23808)

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
155	<u>Are you certified to participate in the commodity distribution program?</u> 1 - Yes 2 - No 9 - Don't know Blank	19 73 3 6818	*Food Programs Questionnaire
156	<u>Are you receiving commodity foods now for your family?</u> 1 - Yes, regularly 2 - Yes, occasionally 3 - No Blank	17 0 2 6894	*Food Programs Questionnaire
157	<u>Why aren't you participating in the program?</u> 1 - No need 2 - No transportation 3 - Pride 4 - Other Blank	1 0 0 1 6911	*Food Programs Questionnaire

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NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

ALL SAMPLE PERSONS
LOCATIONS 1-100

DEMOGRAPHIC DATA TAPE
(n=6913)

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
	<u>Sample Weights</u>		
158-163	Detailed Persons - Locations 01-35 Blank	1892 5021	See Detailed Notes
164-169	Blank - Data User Work Area		
170-175	Detailed Persons - Locations 01-65 Blank	3854 3059	See Detailed Notes
176-181	Blank - Data User Work Area		
182-187	Detailed Persons - Locations 66-100 Blank	3059 3854	See Detailed Notes
188-193	Detailed Persons - Locations 1-100	6913	See Detailed Notes

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I)

DEMOGRAPHIC DATA TAPE
(n=6913)

ALL SAMPLE PERSONS
LOCATIONS 1-100

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
194-195	<u>Strata</u> ¹	6913	
196-198	<u>Primary sampling units</u> ¹	6913	
199-200	<u>Data user work area</u>		

¹Use only for producing variance estimates for examination locations 1-65 or 1-100. See the General Note titled "Variance Estimation" for producing variance estimates for examination locations 1-35 or 66-100. (Page 6)

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
	<u>CHEST X-RAY DATA</u>		
201-204	<u>Catalog Number</u> 4251	6913	
	<u>PLANIMETRY (STANDS 1-100)</u>		
205-209	<u>Left lung surface area (sq. cm)</u> (XXX.XX - decimal not shown on tape) 06191 - 34523 - As given 88888 - Blank, but applicable	6524 389	See Detailed Notes
210-214	<u>Right lung surface area (sq. cm)</u> (XXX.XX - decimal not shown on tape) 09352 - 44832 - As given 88888 - Blank, but applicable	6523 390	See Detailed Notes
215-218	<u>Thoracic diameter - PA (cm)</u> (XX.XX - decimal not shown on tape) 2001 - 3832 - As given 8888 - Blank, but applicable Blank	3545 309 3059	*See Detailed Notes
219-222	<u>Thoracic diameter - lateral 1 (cm)</u> (XX.XX - decimal not shown on tape) 1041 - 2805 - As given 8888 - Blank, but applicable Blank	3596 258 3059	*See Detailed Notes

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
223-226	<u>Thoracic diameter - lateral 2 (cm)</u> (XX.XX - decimal not shown on tape) 1014 - 2850 - As given 8888 - Blank, but applicable Blank	3596 258 3059	*See Detailed Notes
227-229	<u>Tracheal diameter - T₂ (cm)</u> (X.XX - decimal not shown on tape) 087 - 314 - As given 888 - Blank, but applicable Blank	3607 247 3059	*See Detailed Notes
230-232	<u>Tracheal diameter - T₃ (cm)</u> (X.XX - decimal not shown on tape) 091 - 291 - As given 888 - Blank, but applicable Blank	3605 249 3059	*See Detailed Notes
233-237	<u>Lateral area (sq. cm)</u> (XXX.XX - decimal not shown on tape) 16324 - 70112 - As given 88888 - Blank, but applicable	6493 420	See Detailed Notes

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
	<u>HEARTSIZE</u> (STANDS 1-100)		
238-241	<u>A1-A2 (cm)</u> (XX.XX - decimal not shown on tape) 0800 - 2199 - As given 8888 - Blank, but applicable	6503 410	See Detailed Notes
242-245	<u>B1-B2 (cm)</u> (XX.XX - decimal not shown on tape) 1213 - 4026 - As given 8888 - Blank, but applicable	6503 410	See Detailed Notes
246-249	<u>C1-C2 (cm)</u> (XX.XX - decimal not shown on tape) 0926 - 2380 - As given 8888 - Blank, but applicable	6493 420	See Detailed Notes
250-253	<u>D1-D2 (cm)</u> (XX.XX - decimal not shown on tape) 0769 - 2040 - As given 8888 - Blank, but applicable	6521 392	See Detailed Notes
254-257	<u>E1-E2 (cm)</u> (XX.XX - decimal not shown on tape) 0615 - 1923 - As given 8888 - Blank, but applicable	6504 409	See Detailed Notes

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
	<u>PATHOLOGY FIRST READINGS</u> (STANDS 1-100)		
258	<u>Cardiopulmonary findings</u>		See Detailed Notes
	1 - Findings	1851	
	8 - Blank, but applicable	383	
	9 - No findings	4679	
	<u>Thorax</u>		
259	<u>Kyphosis</u>		**See Detailed Notes
	1 - Present	111	
	8 - Blank, but applicable	153	
	9 - No findings	2795	
	Blank	3854	
260	<u>Scoliosis</u>		
	1 - Present	560	
	8 - Blank, but applicable	383	
	9 - No findings	5970	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
261	<u>Pectus</u>		
	1 - Carinatum	3	
	2 - Excavatum	145	
	8 - Blank, but applicable	383	
	9 - No findings	6382	
262	<u>Rib fractures</u>		
	1 - Present	69	
	8 - Blank, but applicable	383	
	9 - No findings	6461	
263	<u>Location</u>		
	1 - Right rib cage	34	
	2 - Left rib cage	30	
	3 - Both rib cages	5	
	8 - Blank, but applicable	383	
	9 - No findings	6461	
264-265	<u>Minimum rib number right</u>		
	01-10 - As given	37	
	88 - Blank, but applicable	385	
	99 - No findings	6491	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
266-267	<u>Maximum rib number right</u>		
	02-10 - As given	37	
	88 - Blank, but applicable	385	
	99 - No findings	6491	
268-269	<u>Minimum rib number left</u>		
	03-09 - As given	33	
	88 - Blank, but applicable	385	
	99 - No findings	6495	
270-271	<u>Maximum rib number left</u>		
	03-11 - As given	33	
	88 - Blank, but applicable	385	
	99 - No findings	6495	
272	<u>Healing status</u>		
	1 - Healed	59	
	8 - Blank, but applicable	383	
	9 - No findings	6471	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
273	<u>Nipple shadows</u>		
	1 - Present	38	
	8 - Blank, but applicable	383	
	9 - No findings	6492	
	<u>Nodules</u>		
274	<u>Other extrapulmonary nodules</u>		
	1 - Present	137	
	8 - Blank, but applicable	383	
	9 - No findings	6393	
275	<u>Intrapulmonary nodules</u>		See Detailed Notes
	1 - Present	388	
	8 - Blank, but applicable	383	
	9 - No findings	6142	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
276-278	<u>Size of largest (mm)</u>		
	001 - 080 - As given	385	
	888 - Blank but applicable	386	
	999 - No findings	6142	
279	<u>Location of largest</u>		**See Detailed Notes
	1 - Right	163	
	2 - Left	155	
	8 - Blank, but applicable	155	
	9 - No findings	2586	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
280-281	<u>Specific lobe</u>		**See Detailed Notes
	Upper		
	01 - Apical	33	
	02 - Posterior	35	
	03 - Anterior	34	
	Middle		
	04 - Superior or lateral	26	
	05 - Inferior or medial	30	
	Lower		
	06 - Superior	53	
	07 - Medial	10	
	08 - Anterior	18	
	09 - Lateral	52	
	10 - Posterior	26	
	88 - Blank, but applicable	156	
	99 - No findings	2586	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
282	<u>Relative location of largest</u>		*See Detailed Notes
	1 - Right upper lobe	10	
	2 - Right middle lobe	5	
	3 - Right lower lobe	18	
	4 - Left upper lobe	13	
	5 - Left lower lobe	12	
	8 - Blank, but applicable	240	
	9 - No findings	3556	
	Blank	3059	
283-285	<u>Size of second largest (mm)</u>		
	002-032 - As given	70	
	888 - Blank, but applicable	393	
	999 - No findings	6450	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
286	<u>Location of second largest</u>		**See Detailed Notes
	1 - Right	35	
	2 - Left	28	
	8 - Blank, but applicable	155	
	9 - No findings	2841	
	Blank	3854	
287-288	<u>Specific lobe</u>		**See Detailed Notes
	Upper 01 - Apical	8	
	02 - Posterior	4	
	03 - Anterior	10	
	Middle 04 - Superior or lateral	6	
	05 - Inferior or medial	9	
	Lower 06 - Superior	5	
	07 - Medial	3	
	08 - Anterior	1	
	09 - Lateral	8	
	10 - Posterior	8	
	88 - Blank, but applicable	156	
	99 - No findings	2841	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
289	<u>Relative location of second largest</u>		*See Detailed Notes
	1 - Right upper lobe	3	
	2 - Right middle lobe	0	
	3 - Right lower lobe	2	
	4 - Left upper lobe	1	
	5 - Left lower lobe	0	
	8 - Blank, but applicable	239	
	9 - No findings	3609	
	Blank	3059	
290	<u>Number of nodules</u>		
	1 - One	308	
	2 - Two or more	80	
	8 - Blank, but applicable	383	
	9 - No findings	6142	
291	<u>Number of segments containing nodules</u>		
	1-6 - As given	320	
	7 - Greater than 6	4	
	8 - Blank, but applicable	447	
	9 - No findings	6142	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
292	<u>Are segments containing nodules contiguous?</u>		See Detailed Notes
	1 - Yes	9	
	8 - Blank, but applicable	425	
	9 - No findings	6479	
293	<u>Etiology of nodules</u>		
	1 - Secondary to an infectious disease	286	
	2 - Not secondary to an infectious disease	18	
	3 - Combination of 1 and 2	9	
	8 - Blank, but applicable	458	
	9 - No findings	6142	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
	<u>Infiltrates</u>		
294	<u>Localized segmental infiltrates</u>		**See Detailed Notes
	1 - Right	11	
	2 - Left	6	
	8 - Blank, but applicable	153	
	9 - No findings	2889	
	Blank	3854	
295-296	<u>Location of infiltrates: Specific lobe</u>		**See Detailed Notes
	Upper 01 - Apical	0	
	02 - Posterior	0	
	03 - Anterior	2	
	Middle 04 - Superior or Lateral	4	
	05 - Inferior or Medial	7	
	Lower 06 - Superior	0	
	07 - Medial	1	
	08 - Anterior	0	
	09 - Lateral	2	
	10 - Posterior	1	
	88 - Blank, but applicable	153	
	99 - No findings	2889	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
297	<u>Localized segmental infiltrates</u>		*See Detailed Notes
	1 - Right upper lobe	1	
	2 - Right middle lobe	10	
	3 - Right lower lobe	3	
	4 - Left upper lobe	2	
	5 - Left lower lobe	4	
	8 - Blank, but applicable	230	
	9 - No findings	3604	
	Blank	3059	
298	<u>Diffuse nonsegmental nonhomogeneous infiltrates</u>		**See Detailed Notes
	1 - Minimal	44	
	2 - Moderate	4	
	3 - Moderate with cavitation	11	
	4 - Far advanced	1	
	5 - Far advanced with cavitation	1	
	8 - Blank, but applicable	153	
	9 - No findings	2845	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
299	<u>Diffuse nonsegmental nonhomogeneous infiltrates</u>		*See Detailed Notes
	1 - Minimal	69	
	2 - Moderate and moderate with cavitation	17	
	3 - Far advanced and far advanced with cavitation	15	
	8 - Blank, but applicable	230	
	9 - No findings	3523	
	Blank	3059	
300	<u>Underlying condition</u>		
	1 - Granulomatous	108	
	2 - Other diseases	36	
	8 - Blank, but applicable	401	
	9 - No findings	6368	
301	<u>Diffuse homogeneous symmetrical infiltrates</u>		
	1 - Present	92	
	8 - Blank, but applicable	383	
	9 - No findings	6438	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
302	<u>Presumed etiology</u>		
	1 - Congestive heart failure	14	
	2 - Pneumoconiosis	2	
	3 - Sarcoidosis	0	
	4 - Other	75	
	8 - Blank, but applicable	384	
	9 - No findings	6438	
303	<u>Proportion or fraction of PA x-ray which appears abnormal</u>		
	1 - Less than 1/3	26	
	2 - 1/3 to 2/3	14	
	3 - Greater than 2/3	52	
	8 - Blank, but applicable	383	
	9 - No findings	6438	
304	<u>Other infiltrates</u>		
	1 - Present	108	
	8 - Blank, but applicable	383	
	9 - No findings	6422	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
305	<u>Emphysema</u>		
	a) <u>Explicit presumptive diagnosis of emphysema</u>		
	1 - Diaphragm flat on PA and lateral x-rays and presumptive evidence of emphysema	155	
	2 - Diaphragm flat on PA x-ray and presumptive evidence of emphysema.	6	
	3 - Diaphragm flat on lateral x-ray and presumptive evidence of emphysema.	170	
	4 - Presumptive evidence of emphysema	31	
	b) <u>Possible diagnosis of emphysema</u>		
	5 - Diaphragm flat on PA and lateral x-rays	9	
	6 - Diaphragm flat on PA x-ray	3	
	7 - Diaphragm flat on lateral x-ray	96	
	8 - Blank, but applicable	383	
	9 - No findings	6060	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
306	<u>Blebs or bullae</u>		
	1 - Secondary to generalized emphysema	13	
	2 - Secondary to post-inflammatory scarring	6	
	3 - Secondary to both 1 and 2	5	
	4 - Independent of both 1 and 2	7	
	8 - Blank, but applicable	383	
	9 - No findings	6499	
307-308	<u>Calcified nodes</u>		See Detailed Notes
	01 - Right hilar	39	
	02 - Left hilar	62	
	03 - Carinal	3	
	04 - Paratracheal	23	
	05 - Other	14	
	06 - Right hilar, left hilar, or Other	10	
	07 - Right hilar, paratracheal or Other	13	
	08 - Carinal and paratracheal	6	
	09 - Right hilar, left hilar, carinal or paratracheal	2	
	88 - Blank, but applicable	383	
	99 - No findings	6358	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
309	<u>Enlarged nodes</u>		
	1 - Right hilar	6	
	2 - Left hilar	4	
	3 - Carinal	0	
	4 - Paratracheal	0	
	5 - Other	1	
	6 - Right and Left hilar	1	
	8 - Blank, but applicable	383	
	9 - No findings	6518	
310	<u>Pleural disease</u>		
	1 - Present	290	
	8 - Blank, but applicable	383	
	9 - No findings	6240	
311	<u>Location</u>		
	1 - Right	77	
	2 - Left	124	
	3 - Both	87	
	8 - Blank, but applicable	385	
	9 - No findings	6240	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
312	<u>Presumed cause of effusion</u>		
	1 - Fluid	6	
	2 - Tissue	280	
	3 - Both	3	
	8 - Blank, but applicable	384	
	9 - No findings	6240	
	<u>Cardiovascular</u>		
	<u>Enlargement of vessels</u>		
313	<u>Azygos vein</u>		
	1 - Yes	30	
	8 - Blank, but applicable	383	
	9 - No findings	6500	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
314-315	<u>Locus of pulmonary artery enlargement</u>		
	01 - Right proximal	1	
	02 - Right distal	2	
	03 - Right proximal/distal	0	
	04 - Left proximal	2	
	05 - Left distal	0	
	06 - Left proximal/distal	0	
	07 - Both proximal	27	
	08 - Both distal	45	
	09 - Both proximal/distal	98	
	88 - Blank, but applicable	383	
	99 - No findings	6355	
316	<u>Enlargement of right heart</u>		
	1 - Atrium enlarged	1	
	2 - Ventricle enlarged	53	
	3 - Both enlarged	5	
	8 - Blank, but applicable	383	
	9 - No findings	6471	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
317	<u>Cephalization of pulmonary vessels</u>		
	1 - Present	32	
	8 - Blank, but applicable	383	
	9 - No findings	6498	
318	<u>Interstitial fluid</u>		
	1 - Present	6	
	8 - Blank, but applicable	383	
	9 - No findings	6524	
319	<u>Kerley lines</u>		
	1 - A lines	0	
	2 - B lines	3	
	3 - A and B lines	5	
	8 - Blank, but applicable	383	
	9 - No findings	6522	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
320	<u>Rosettes</u>		
	1 - Present	0	
	8 - Blank, but applicable	383	
	9 - No findings	6530	
321	<u>Alveolar fluid</u>		
	1 - Present	1	
	8 - Blank, but applicable	383	
	9 - No findings	6529	
322	<u>Enlargement of left heart</u>		
	1 - Atrium enlarged	5	
	2 - Ventricle enlarged	119	
	3 - Both enlarged	14	
	8 - Blank, but applicable	383	
	9 - No findings	6392	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
	<u>PATHOLOGY SECOND READINGS</u> (STANDS 66-100)		
323	<u>Cardiopulmonary findings</u>		See Detailed Notes
	1 - Findings	1160	
	8 - Blank, but applicable	90	
	9 - No findings	1809	
	Blank	3854	
	<u>Thorax</u>		
324	<u>Kyphosis</u>		**See Detailed Notes
	1 - Present	66	
	8 - Blank, but applicable	90	
	9 - No findings	2903	
	Blank	3854	
325	<u>Scoliosis</u>		
	1 - Present	82	
	8 - Blank, but applicable	90	
	9 - No findings	2887	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
326	<u>Pectus</u>		
	1 - Carinatum	7	
	2 - Excavatum	85	
	8 - Blank, but applicable	90	
	9 - No findings	2877	
	Blank	3854	
327	<u>Rib fractures</u>		
	1 - Present	57	
	8 - Blank, but applicable	90	
	9 - No findings	2912	
	Blank	3854	
328	<u>Location</u>		
	1 - Right rib cage	22	
	2 - Left rib cage	31	
	3 - Both rib cages	4	
	8 - Blank, but applicable	90	
	9 - No findings	2912	
	Blank	3854	
329-330	<u>Minimum rib number right</u>		
	02-10 - As given	26	
	88 - Blank, but applicable	90	
	99 - No findings	2943	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
331-332	<u>Maximum rib number right</u>		
	02-10- As given	26	
	88 - Blank, but applicable	90	
	99 - No findings	2943	
	Blank	3854	
333-334	<u>Minimum rib number left</u>		
	02-11 - As given	34	
	88 - Blank, but applicable	91	
	99 - No findings	2934	
	Blank	3854	
335-336	<u>Maximum rib number left</u>		
	03-11 - As given	34	
	88 - Blank, but applicable	91	
	99 - No findings	2934	
	Blank	3854	
337	<u>Healing status</u>		
	1 - Healed	44	
	8 - Blank, but applicable	98	
	9 - No findings	2917	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
338	<u>Nipple shadows</u>		
	1 - Present	55	
	8 - Blank, but applicable	90	
	9 - No findings	2914	
	Blank	3854	
	<u>Nodules</u>		
339	<u>Other extrapulmonary nodules</u>		
	1 - Present	18	
	8 - Blank, but applicable	90	
	9 - No findings	2951	
	Blank	3854	
340	<u>Intrapulmonary nodules</u>		See Detailed Notes
	1 - Present	406	
	8 - Blank, but applicable	90	
	9 - No findings	2563	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
341-343	<u>Size of largest (mm)</u>		
	002 - 080 - As given	405	
	888 - Blank but applicable	91	
	999 - No findings	2563	
	Blank	3854	
344	<u>Location of largest</u>		**See Detailed Notes
	1 - Right	227	
	2 - Left	176	
	8 - Blank, but applicable	93	
	9 - No findings	2563	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
345-346	<u>Specific lobe</u>		**See Detailed Notes
	Upper		
	01 - Apical	45	
	02 - Posterior	54	
	03 - Anterior	45	
	Middle		
	04 - Superior or lateral	33	
	05 - Inferior or medial	36	
	Lower		
	06 - Superior	76	
	07 - Medial	7	
	08 - Anterior	24	
	09 - Lateral	42	
	10 - Posterior	41	
	88 - Blank, but applicable	93	
	99 - No findings	2563	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
347	Blank	6913	
348-350	<u>Size of second largest (mm)</u>		
	002-035 - As given	101	
	888 - Blank, but applicable	91	
	999 - No findings	2867	
	Blank	3854	
351	<u>Location of second largest</u>		**See Detailed Notes
	1 - Right	64	
	2 - Left	37	
	8 - Blank, but applicable	91	
	9 - No findings	2867	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
352-353	<u>Specific lobe</u>		**See Detailed Notes
	Upper	01 - Apical	11
		02 - Posterior	11
		03 - Anterior	11
	Middle	04 - Superior or lateral	16
		05 - Inferior or medial	10
	Lower	06 - Superior	14
		07 - Medial	1
		08 - Anterior	4
		09 - Lateral	9
		10 - Posterior	14
		88 - Blank, but applicable	91
		99 - No findings	2867
	Blank		3854

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
354	Blank	6913	
355	<u>Number of nodules</u>		
	1 - One	303	
	2 - Two or more	102	
	8 - Blank, but applicable	91	
	9 - No findings	2563	
	Blank	3854	
356	<u>Number of segments containing nodules</u>		
	1-6 - As given	390	
	7 - Greater than 6	3	
	8 - Blank, but applicable	103	
	9 - No findings	2563	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
357	<u>Are segments containing nodules contiguous?</u>		See Detailed Notes
	1 - Yes	15	
	8 - Blank, but applicable	110	
	9 - No findings	2934	
	Blank	3854	
358	<u>Etiology of nodules</u>		
	1 - Secondary to an infectious disease	361	
	2 - Not secondary to an infectious disease	18	
	3 - Combination of 1 and 2	3	
	8 - Blank, but applicable	113	
	9 - No findings	2564	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
	<u>Infiltrates</u>		
359	<u>Localized segmental infiltrates</u>		**See Detailed Notes
	1 - Right	15	
	2 - Left	20	
	8 - Blank, but applicable	91	
	9 - No findings	2933	
	Blank	3854	
360-361	<u>Location of infiltrates: Specific lobe</u>		**See Detailed Notes
	Upper 01 - Apical	3	
	02 - Posterior	0	
	03 - Anterior	1	
	Middle 04 - Superior or Lateral	8	
	05 - Inferior or Medial	7	
	Lower 06 - Superior	0	
	07 - Medial	1	
	08 - Anterior	2	
	09 - Lateral	6	
	10 - Posterior	7	
	88 - Blank, but applicable	91	
	99 - No findings	2933	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
362	Blank	6913	
363	<u>Diffuse nonsegmental nonhomogeneous infiltrates</u>		**See Detailed Notes
	1 - Minimal	16	
	2 - Moderate	4	
	3 - Moderate with cavitation	4	
	4 - Far advanced	1	
	5 - Far advanced with cavitation	1	
	8 - Blank, but applicable	91	
	9 - No findings	2942	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
364	Blank	6913	
365	<u>Underlying condition</u>		
	1 - Granulomatous	19	
	2 - Other diseases	3	
	8 - Blank, but applicable	95	
	9 - No findings	2942	
	Blank	3854	
366	<u>Diffuse homogeneous symmetrical infiltrates</u>		
	1 - Present	74	
	8 - Blank, but applicable	90	
	9 - No findings	2895	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
367	<u>Presumed etiology</u>		
	1 - Congestive heart failure	4	
	2 - Pneumoconiosis	5	
	3 - Sarcoidosis	0	
	4 - Other	65	
	8 - Blank, but applicable	90	
	9 - No findings	2895	
	Blank	3854	
368	<u>Proportion or fraction of PA x-ray which appears abnormal</u>		
	1 - Less than 1/3	40	
	2 - 1/3 to 2/3	27	
	3 - Greater than 2/3	7	
	8 - Blank, but applicable	90	
	9 - No findings	2895	
	Blank	3854	
369	<u>Other infiltrates</u>		
	1 - Present	22	
	8 - Blank, but applicable	90	
	9 - No findings	2947	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
370	<u>Emphysema</u>		
	a) <u>Explicit presumptive diagnosis of emphysema</u>		
	1 - Diaphragm flat on PA and lateral x-rays and presumptive evidence of emphysema	56	
	2 - Diaphragm flat on PA x-ray and presumptive evidence of emphysema.	3	
	3 - Diaphragm flat on lateral x-ray and presumptive evidence of emphysema.	106	
	4 - Presumptive evidence of emphysema	23	
	b) <u>Possible diagnosis of emphysema</u>		
	5 - Diaphragm flat on PA and lateral x-rays	15	
	6 - Diaphragm flat on PA x-ray	10	
	7 - Diaphragm flat on lateral x-ray	96	
	8 - Blank, but applicable	90	
	9 - No findings	2650	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
371	<u>Blebs or bullae</u>		
	1 - Secondary to generalized emphysema	17	
	2 - Secondary to post-inflammatory scarring	1	
	3 - Secondary to both 1 and 2	4	
	4 - Independent of both 1 and 2	0	
	8 - Blank, but applicable	90	
	9 - No findings	2947	
	Blank	3854	
372-373	<u>Calcified nodes</u>		See Detailed Notes
	01 - Right hilar	64	
	02 - Left hilar	64	
	03 - Carinal	6	
	04 - Paratracheal	17	
	05 - Other	0	
	06 - Right hilar, left hilar, or other	20	
	07 - Right hilar, paratracheal or other	17	
	08 - Carinal and paratracheal	3	
	09 - Right hilar, left hilar, carinal or paratracheal	1	
	88 - Blank, but applicable	90	
	99 - No findings	2777	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
374	<u>Enlarged nodes</u>		
	1 - Right hilar	3	
	2 - Left hilar	1	
	3 - Carinal	1	
	4 - Paratracheal	0	
	5 - Other	0	
	6 - Right and Left hilar	4	
	8 - Blank, but applicable	90	
	9 - No findings	2960	
	Blank	3854	
375	<u>Pleural disease</u>		
	1 - Present	99	
	8 - Blank, but applicable	90	
	9 - No findings	2870	
	Blank	3854	
376	<u>Location</u>		
	1 - Right	30	
	2 - Left	38	
	3 - Both	26	
	8 - Blank, but applicable	95	
	9 - No findings	2870	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
377	<u>Presumed cause of effusion</u>		
	1 - Fluid	5	
	2 - Tissue	85	
	3 - Both	4	
	8 - Blank, but applicable	95	
	9 - No findings	2870	
	Blank	3854	
	<u>Cardiovascular</u>		
	Enlargement of vessels		
378	<u>Azygos vein</u>		
	1 - Yes	5	
	8 - Blank, but applicable	90	
	9 - No findings	2964	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
379-380	<u>Locus of pulmonary artery enlargement</u>		
	01 - Right proximal	0	
	02 - Right distal	0	
	03 - Right proximal/distal	0	
	04 - Left proximal	2	
	05 - Left distal	0	
	06 - Left proximal/distal	0	
	07 - Both proximal	25	
	08 - Both distal	8	
	09 - Both proximal/distal	7	
	88 - Blank, but applicable	90	
	99 - No findings	2927	
	Blank	3854	
381	<u>Enlargement of right heart</u>		
	1 - Atrium enlarged	0	
	2 - Ventricle enlarged	17	
	3 - Both enlarged	0	
	8 - Blank, but applicable	90	
	9 - No findings	2952	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
382	<u>Cephalization of pulmonary vessels</u>		
	1 - Present	24	
	8 - Blank, but applicable	90	
	9 - No findings	2945	
	Blank	3854	
383	<u>Interstitial fluid</u>		
	1 - Present	9	
	8 - Blank, but applicable	90	
	9 - No findings	2960	
	Blank	3854	
384	<u>Kerley lines</u>		
	1 - A lines	0	
	2 - B lines	0	
	3 - A and B lines	6	
	8 - Blank, but applicable	90	
	9 - No findings	2963	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE, OR NOTES
385	<u>Rosettes</u>		
	1 - Present	3	
	8 - Blank, but applicable	90	
	9 - No findings	2966	
	Blank	3854	
386	<u>Alveolar fluid</u>		
	1 - Present	1	
	8 - Blank, but applicable	90	
	9 - No findings	2968	
	Blank	3854	
387	<u>Enlargement of left heart</u>		
	1 - Atrium enlarged	4	
	2 - Ventricle enlarged	96	
	3 - Both enlarged	4	
	8 - Blank, but applicable	90	
	9 - No findings	2865	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
	<u>PATHOLOGY FINAL READINGS</u> (STANDS 1-100)		See Detailed Notes
388	<u>Cardiopulmonary findings</u>		See Detailed Notes
	1 - Findings	1713	
	8 - Blank, but applicable	319	
	9 - No findings	4881	
	<u>Thorax</u>		
389	<u>Kyphosis</u>		**See Detailed Notes
	1 - Present	100	
	8 - Blank, but applicable	89	
	9 - No findings	2870	
	Blank	3854	Blank
390	<u>Scoliosis</u>		
	1 - Present	533	
	8 - Blank, but applicable	319	
	9 - No findings	6061	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
391	<u>Pectus</u>		
	1 - Carinatum	3	
	2 - Excavatum	111	
	8 - Blank, but applicable	319	
	9 - No findings	6480	
392	<u>Rib fractures</u>		
	1 - Present	76	
	8 - Blank, but applicable	319	
	9 - No findings	6518	
393	<u>Location</u>		
	1 - Right rib cage	34	
	2 - Left rib cage	33	
	3 - Both rib cages	9	
	8 - Blank, but applicable	319	
	9 - No findings	6518	
394-395	<u>Minimum rib number right</u>		
	01-10 - As given	41	
	88 - Blank, but applicable	321	
	99 - No findings	6551	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
396-397	<u>Maximum rib number right</u>		
	02-10 - As given	41	
	88 - Blank, but applicable	321	
	99 - No findings	6551	
398-399	<u>Minimum rib number left</u>		
	02-10 - As given	41	
	88 - Blank, but applicable	321	
	99 - No findings	6551	
400-401	<u>Maximum rib number left</u>		
	04-11 - As given	41	
	88 - Blank, but applicable	321	
	99 - No findings	6551	
402	<u>Healing status</u>		
	1 - Healed	68	
	8 - Blank, but applicable	322	
	9 - No findings	6523	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
403	<u>Nipple shadows</u>		
	1 - Present	53	
	8 - Blank, but applicable	319	
	9 - No findings	6541	
	<u>Nodules</u>		
404	<u>Other extrapulmonary nodules</u>		
	1 - Present	139	
	8 - Blank, but applicable	319	
	9 - No findings	6455	
405	<u>Intrapulmonary nodules</u>		See Detailed Notes
	1 - Present	429	
	8 - Blank, but applicable	319	
	9 - No findings	6165	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
406-408	<u>Size of largest (mm)</u>		
	002 - 080 - As given	423	
	888 - Blank but applicable	322	
	999 - No findings	6168	
409	<u>Location of largest</u>		**See Detailed Notes
	1 - Right	191	
	2 - Left	166	
	8 - Blank, but applicable	90	
	9 - No findings	2612	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
410-411	<u>Specific lobe</u>		**See Detailed Notes
	Upper		
	01 - Apical	39	
	02 - Posterior	39	
	03 - Anterior	45	
	Middle		
	04 - Superior or lateral	37	
	05 - Inferior or medial	30	
	Lower		
	06 - Superior	53	
	07 - Medial	15	
	08 - Anterior	10	
	09 - Lateral	57	
	10 - Posterior	32	
	88 - Blank, but applicable	90	
	99 - No findings	2612	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
412	<u>Relative location of largest</u>		*See Detailed Notes
	1 - Right upper lobe	10	
	2 - Right middle lobe	5	
	3 - Right lower lobe	18	
	4 - Left upper lobe	13	
	5 - Left lower lobe	12	
	8 - Blank, but applicable	240	
	9 - No findings	3556	
	Blank	3059	
413-415	<u>Size of second largest (mm)</u>		
	002-032 - As given	92	
	888 - Blank, but applicable	328	
	999 - No findings	6493	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
416	<u>Location of second largest</u>		**See Detailed Notes
	1 - Right	47	
	2 - Left	38	
	8 - Blank, but applicable	90	
	9 - No findings	2884	
	Blank	3854	
417-418	<u>Specific lobe</u>		**See Detailed Notes
	Upper 01 - Apical	11	
	02 - Posterior	11	
	03 - Anterior	11	
	Middle 04 - Superior or lateral	9	
	05 - Inferior or medial	9	
	Lower 06 - Superior	8	
	07 - Medial	2	
	08 - Anterior	6	
	09 - Lateral	9	
	10 - Posterior	9	
	88 - Blank, but applicable	90	
	99 - No findings	2884	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
419	<u>Relative location of second largest</u>		*See Detailed Notes
	1 - Right upper lobe	3	
	2 - Right middle lobe	0	
	3 - Right lower lobe	2	
	4 - Left upper lobe	1	
	5 - Left lower lobe	0	
	8 - Blank, but applicable	239	
	9 - No findings	3609	
	Blank	3059	
420	<u>Number of nodules</u>		
	1 - One	326	
	2 - Two or more	101	
	8 - Blank, but applicable	319	
	9 - No findings	6167	
421	<u>Number of segments containing nodules</u>		
	1-6 - As given	381	
	7 - Greater than 6	5	
	8 - Blank, but applicable	360	
	9 - No findings	6167	

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(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
422	<u>Are segments containing nodules contiguous?</u>		See Detailed Notes
	1 - Yes	17	
	8 - Blank, but applicable	364	
	9 - No findings	6532	
423	<u>Etiology of nodules</u>		
	1 - Secondary to an infectious disease	336	
	2 - Not secondary to an infectious disease	7	
	3 - Combination of 1 and 2	10	
	8 - Blank, but applicable	393	
	9 - No findings	6167	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
	<u>Infiltrates</u>		
424	<u>Localized segmental infiltrates</u>		**See Detailed Notes
	1 - Right	15	
	2 - Left	9	
	8 - Blank, but applicable	89	
	9 - No findings	2946	
	Blank	3854	
425-426	<u>Location of infiltrates: Specific lobe</u>		**See Detailed Notes
	Upper 01 - Apical	1	
	02 - Posterior	0	
	03 - Anterior	2	
	Middle 04 - Superior or Lateral	6	
	05 - Inferior or Medial	9	
	Lower 06 - Superior	1	
	07 - Medial	1	
	08 - Anterior	0	
	09 - Lateral	3	
	10 - Posterior	2	
	88 - Blank, but applicable	89	
	99 - No findings	2945	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
427	<u>Localized segmental infiltrates</u>		*See Detailed Notes
	1 - Right upper lobe	1	
	2 - Right middle lobe	10	
	3 - Right lower lobe	3	
	4 - Left upper lobe	2	
	5 - Left lower lobe	4	
	8 - Blank, but applicable	230	
	9 - No findings	3604	
	Blank	3059	
428	<u>Diffuse nonsegmental nonhomogeneous infiltrates</u>		**See Detailed Notes
	1 - Minimal	40	
	2 - Moderate	6	
	3 - Moderate with cavitation	7	
	4 - Far advanced	0	
	5 - Far advanced with cavitation	0	
	8 - Blank, but applicable	89	
	9 - No findings	2917	
	Blank	3854	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
429	<u>Diffuse nonsegmental nonhomogenous infiltrates</u>		*See Detailed Notes
	1 - Minimal	69	
	2 - Moderate and moderate with cavitation	17	
	3 - Far advanced and far advanced with cavitation	15	
	8 - Blank, but applicable	230	
	9 - No findings	3523	
	Blank	3059	
430	<u>Underlying condition</u>		
	1 - Granulomatous	104	
	2 - Other diseases	34	
	8 - Blank, but applicable	335	
	9 - No findings	6440	
431	<u>Diffuse homogeneous symmetrical infiltrates</u>		
	1 - Present	99	
	8 - Blank, but applicable	319	
	9 - No findings	6495	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
432	<u>Presumed etiology</u>		
	1 - Congestive heart failure	13	
	2 - Pneumoconiosis	2	
	3 - Sarcoidosis	0	
	4 - Other	84	
	8 - Blank, but applicable	319	
	9 - No findings	6495	
433	<u>Proportion or fraction of PA x-ray which appears abnormal</u>		
	1 - Less than 1/3	28	
	2 - 1/3 to 2/3	17	
	3 - Greater than 2/3	54	
	8 - Blank, but applicable	319	
	9 - No findings	6495	
434	<u>Other infiltrates</u>		
	1 - Present	108	
	8 - Blank, but applicable	319	
	9 - No findings	6486	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
435	<u>Emphysema</u>		
	a) <u>Explicit presumptive diagnosis of emphysema</u>		
	1 - Diaphragm flat on PA and lateral x-rays and presumptive evidence of emphysema	136	
	2 - Diaphragm flat on PA x-ray and presumptive evidence of emphysema	5	
	3 - Diaphragm flat on lateral x-ray and presumptive evidence of emphysema	93	
	4 - Presumptive evidence of emphysema	29	
	b) <u>Possible diagnosis of emphysema</u>		
	5 - Diaphragm flat on PA and lateral x-rays	14	
	6 - Diaphragm flat on PA x-ray	4	
	7 - Diaphragm flat on lateral x-ray	115	
	8 - Blank, but applicable	319	
	9 - No findings	6198	

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(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
436	<u>Blebs or bullae</u>		
	1 - Secondary to generalized emphysema	13	
	2 - Secondary to post-inflammatory scarring	8	
	3 - Secondary to both 1 and 2	8	
	4 - Independent of both 1 and 2	6	
	8 - Blank, but applicable	319	
	9 - No findings	6559	
437-438	<u>Calcified nodes</u>		See Detailed Notes
	01 - Right hilar	54	
	02 - Left hilar	71	
	03 - Carinal	4	
	04 - Paratracheal	21	
	05 - Other	10	
	06 - Right hilar, left hilar, or other	16	
	07 - Right hilar, paratracheal or other	12	
	08 - Carinal and paratracheal	2	
	09 - Right hilar, left hilar, carinal or paratracheal	8	
	88 - Blank, but applicable	319	
	99 - No findings	6396	

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(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
439	<u>Enlarged nodes</u>		
	1 - Right hilar	10	
	2 - Left hilar	2	
	3 - Carinal	1	
	4 - Paratracheal	0	
	5 - Other	1	
	6 - Right and left hilar	3	
	8 - Blank, but applicable	319	
	9 - No findings	6577	
440	<u>Pleural disease</u>		
	1 - Present	278	
	8 - Blank, but applicable	319	
	9 - No findings	6316	
441	<u>Location</u>		
	1 - Right	76	
	2 - Left	119	
	3 - Both	82	
	8 - Blank, but applicable	320	
	9 - No findings	6316	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
442	<u>Presumed cause of effusion</u>		
	1 - Fluid	8	
	2 - Tissue	261	
	3 - Both	8	
	8 - Blank, but applicable	320	
	9 - No findings	6316	
	<u>Cardiovascular</u>		
	<u>Enlargement of vessels</u>		
443	<u>Azygos vein</u>		
	1 - Yes	30	
	8 - Blank, but applicable	319	
	9 - No findings	6564	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
444-445	<u>Locus of pulmonary artery enlargement</u>		
	01 - Right proximal	1	
	02 - Right distal	1	
	03 - Right proximal/distal	0	
	04 - Left proximal	1	
	05 - Left distal	0	
	06 - Left proximal/distal	0	
	07 - Both proximal	30	
	08 - Both distal	19	
	09 - Both proximal/distal	90	
	88 - Blank, but applicable	319	
	99 - No findings	6452	
446	<u>Enlargement of right heart</u>		
	1 - Atrium enlarged	1	
	2 - Ventricle enlarged	40	
	3 - Both enlarged	3	
	8 - Blank, but applicable	319	
	9 - No findings	6550	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
447	<u>Cephalization of pulmonary vessels</u>		
	1 - Present	36	
	8 - Blank, but applicable	319	
	9 - No findings	6558	
448	<u>Interstitial fluid</u>		
	1 - Present	6	
	8 - Blank, but applicable	319	
	9 - No findings	6588	
449	<u>Kerley lines</u>		
	1 - A lines	0	
	2 - B lines	3	
	3 - A and B lines	7	
	8 - Blank, but applicable	319	
	9 - No findings	6584	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
450	<u>Rosettes</u>		
	1 - Present	1	
	8 - Blank, but applicable	319	
	9 - No findings	6593	
451	<u>Alveolar fluid</u>		
	1 - Present	1	
	8 - Blank, but applicable	319	
	9 - No findings	6593	
452	<u>Enlargement of left heart</u>		
	1 - Atrium enlarged	5	
	2 - Ventricle enlarged	120	
	3 - Both enlarged	10	
	8 - Blank, but applicable	319	
	9 - No findings	6459	
453-500	<u>Data user work area</u>		

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
	<u>PULMONARY DIFFUSION</u> (STANDS 1-100)		
501-503	D _L CO (mlCO/minute) - First Trial		See Detailed Notes
	(XX.X - decimal not shown on tape)		
	092-711 - As given	4864	
	000 - Unacceptable trials	190	
	Blank -Blank, but applicable	1859	
504-506	D _L CO (mlCO/minute) - Second Trial		See Detailed Notes
	(XX.X - decimal not shown on tape)		
	092-589 - As given	4978	
	000 - Unacceptable trials	76	
	Blank -Blank, but applicable	1859	
507-509	D _L CO (mlCO/minute) - Third Trial		See Detailed Note
	(XX.X - decimal not shown on tape)		
	003-597 - As given	4916	
	000 - Unacceptable trials	138	
	Blank -Blank, but applicable	1859	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
510-512	Summary D_{LCO} (mlCO/minute) (XX.X - decimal not shown on tape) 092-561 - As given Blank - Blank, but applicable	5054 1859	See Detailed Note
513-550	<u>Data user work area</u>		

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
	<u>TUBERCULIN TEST</u> (STANDS 1-35)		See Detailed Notes
551	<u>Site injected</u>		
	1 - Volar forearm	1575	
	2 - Other	4	
	8 - Blank, but applicable	312	
	Blank - Not applicable	5022	
552-553	<u>PPD-S Induration (mm) (left arm)</u>		
	00-69 - As given	1494	
	88 - Blank, but applicable	397	
	Blank - Not applicable	5022	
554-555	<u>PPD-B Induration (mm) (right arm)</u>		
	00-75 - As given	1493	
	88 - Blank, but applicable	398	
	Blank - Not applicable	5022	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
556	<u>Where were results read?</u>		
	1 - Home	141	
	2 - Work	35	
	3 - Exam center	1256	
	4 - Other	43	
	8 - Blank, but applicable	416	
	Blank - Not applicable	5022	
557	<u>Days between test and reading</u>		
	2-4 - As given	1461	
	8 - Blank, but applicable	430	
	Blank - Not applicable	5022	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
558	<u>Type of reader</u>		
	1 - Nurse	1367	
	2 - Health Examination Representative	67	
	3 - Doctor outside of exam center	31	
	4 - Exam center staff doctor	9	
	5 - Examinee	1	
	6 - Public Health Nurse	1	
	7 - Coordinator	1	
	8 - R.N. outside of exam center	412	
	9 - Blank, but applicable	2	
	Blank - Not applicable	5022	
559	<u>Was test read?</u>		
	1 - Test read	1494	
	2 - Test administered, not read	98	
	3 - Test administered, read negative by examinee	1	
	8 - Blank, but applicable	298	
	Blank - Not applicable	5022	

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY

(NHANES I - 1971-1975)

CHEST X-RAY, PULMONARY DIFFUSION, AND TUBERCULIN TEST RESULTS DATA TAPE

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES I DATA SOURCE OR NOTES
560-562	<u>PPD-S and PPD-B both present: difference in readings</u>		
	(-71)-(+59) (mm)- As given	1492	
	Blank - Not applicable	5421	
563	<u>Induration reading classification: PPD-S and PPD-B</u>		
	1 - Both absent	396	
	2 - S absent, B present	1	
	3 - S present, B absent	2	
	4 - S and B present with S induration 05-09 mm and -1 S-B +1	40	
	5 - S and B present with S induration 05-09 mm and S-B -1	32	
	6 - S and B present with S induration 05-09 mm and S-B +1	88	
	7 - S and B present with S induration 10-69 mm	282	
	8 - S and B present with S induration 00-04 mm	1050	
	Blank - Not applicable	5022	

DETAILED NOTES

TAPE POSITION 10

Size of Place

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

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

DETAILED NOTES
TAPE POSITION 11

SMSA

A standard metropolitan statistical area is basically a county or a group of contiguous counties which contains at least one city of 50,000 inhabitants or more, or "twin cities" with a combined population of at least 50,000. In addition to the county or counties containing such a city or cities, contiguous counties are included in an SMSA if, according to the 1960 Census, they are socially and economically integrated with the central city. Each SMSA must include at least one central city, and the complete title of an SMSA identifies the central city or cities.

DETAILED NOTES
TAPE POSITIONS 22 and 103

Race

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

DETAILED NOTES
TAPE POSITIONS 34-35

Total Family Income Group

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

DETAILED NOTES
TAPE POSITIONS 95-99

Family Unit Code

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

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 DETAILED NOTES
 TAPE POSITIONS 110-111

UNITED STATES	Code	OUTLYING AREAS OF THE U.S.	Code
ALABAMA	01	American Samoa	60
ALASKA	02	Canal Zone	61
ARIZONA	04	Canton and Enderbury Islands	62
ARKANSAS	05	Caroline Islands	63
CALIFORNIA	06	Cook Islands	64
COLORADO	08	Gilbert and Ellice Islands	65
CONNECTICUT	09	Guam	66
DELAWARE	10	Johnston Atoll	67
DIST. OF COLUMBIA	11	Line Islands - Southern	68
FLORIDA	12	Mariana Islands	69
GEORGIA	13	Marshall Islands	70
HAWAII	15	Midway Islands	71
IDAHO	16	Puerto Rico	72
ILLINOIS	17	Ryukyn Islands - Southern	73
INDIANA	18	Swan Island	74
IOWA	19	Tokelau Islands	75
KANSAS	20	U.S. Misc. Caribbean	76
KENTUCKY	21	U.S. Misc. Pacific Islands	77
LOUISIANA	22	Virgin Islands	78
MAINE	23	Wake Islands	79
MARYLAND	24	Cuba	80
MASSACHUSETTS	25	West Indies	81
MICHIGAN	26	North America	91
MINNESOTA	27	South America	92
MISSISSIPPI	28	Europe	93
MISSOURI	29	Africa	94
MONTANA	30	Asia	95
NEBRASKA	31	Australasia	96
NEVADA	32	Pacific Islands	97
NEW HAMPSHIRE	33		
NEW JERSEY	34		
NEW MEXICO	35		
NEW YORK	36		
NORTH CAROLINA	37		
NORTH DAKOTA	38		
OHIO	39		
OKLAHOMA	40		
OREGON	41		
PENNSYLVANIA	42		
RHODE ISLAND	44		
SOUTH CAROLINA	45		
SOUTH DAKOTA	46		
TENNESSEE	47		
TEXAS	48		
UTAH	49		
VERMONT	50		
VIRGINIA	51		
WASHINGTON	53		
WEST VIRGINIA	54		
WISCONSIN	55		
WYOMING	56		

DETAILED NOTES

TAPE POSITIONS 132-134 and 135-137

Industry and Occupation Codes

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

The 1970 Census of Population Alphabetical Index of Industries and Occupations was used in the coding of both the industry and occupation. The publication is available on microfiche for \$10.00 from: Customer Services, Data User Services Division, Bureau of Census, Washington, D.C. 20233.

DETAILED NOTES

TAPE POSITION 146

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

DETAILED NOTES

TAPE POSITIONS 147-149

Poverty Index--Income status was determined by the Poverty Income Ratio (PIR).

Poverty statistics published in the Census Bureau reports¹ were based on the poverty index developed by the Social Security Administration in 1964^{2,3} and modified in 1969.⁴ The standard data series in poverty for statistical use by all executive departments and establishments has been established.⁵

The two components of the PIR are the total income of the household (numerator) and a multiple of the total income necessary to maintain a family with given characteristics on a nutritionally adequate food plan⁴ (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 designed by the U.S. Department of Agriculture for "emergency or temporary use when funds are low."

¹ U.S. Bureau of the Census: Poverty Increases by 1.2 Million in 1970, Consumer Income, Series P-60, No. 77. U.S. Department of Commerce, U.S. Government Printing Office, May 7, 1971.

² Social Security Administration, Mollie Orshansky: Counting the Poor: Another Look at the Poverty Profile. Social Security Bulletin. Vol. 28-No. 1. U.S. Department of Health, Education and Welfare. U.S. Government Printing Office, July 1965.

³ Social Security Administration, Mollie Orshansky: Who's Who Among the Poor: A Demographic View of Poverty. Social Security Bulletin. Vol. 28-No. 7. U.S. Department of Health, Education and Welfare. U.S. Government Printing Office, July 1965.

⁴ U.S. Bureau of the Census: Revision in Poverty Statistics, 1959 to 1968. Special Studies, Series P-23, No. 28, U.S. Department of Commerce. U.S. Government Printing Office, August 12, 1969.

⁵ Circular No. A-46, Transmitted Memorandum No. 9, Executive Office of the President, Bureau of the Budget, August 29, 1969, and Exhibit L (rev.).

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

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

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

Poverty thresholds are computed on a national basis only. No attempt has been made to adjust these thresholds for regional, State, or other local variation in the cost of living (except for the farm, nonfarm difference). None of the noncash public welfare benefits such as food stamp bonuses or free food commodities are included in the income of the low income families receiving these benefits.

DETAILED NOTES
TAPE POSITIONS 147-149

Weighted Average Thresholds at the Low-Income Level in 1973 by Size of Family and
Sex of Head, by Farm-Nonfarm Residence

Size of family unit	Nonfarm				Farm		
	Total	Total	Male head ¹	Female head ¹	Total	Male head ¹	Female head ¹
1 person (unrelated individual)....	\$2,239	\$2,247	\$2,350	\$2,174	\$1,887	\$1,951	\$1,832
Under 65 years.....	2,302	2,307	2,395	2,215	1,974	2,035	1,883
65 years and over.....	2,119	2,130	2,151	2,123	1,813	1,829	1,804
2 persons.....	2,874	2,895	2,904	2,847	2,434	2,439	2,346
Head under 65 years.....	2,967	2,984	2,999	2,908	2,543	2,546	2,455
Head 65 years and over.....	2,662	2,688	2,690	2,675	2,285	2,285	2,285
3 persons.....	3,525	3,548	3,565	3,447	3,005	3,015	2,878
4 persons.....	4,512	4,540	4,542	4,521	3,871	3,872	3,775
5 persons.....	5,322	5,358	5,364	5,299	4,561	4,560	4,609
6 persons.....	5,979	6,028	6,034	5,965	5,147	5,144	5,206
7 or more persons.....	7,359	7,435	7,455	7,288	6,349	6,357	6,150

¹For one person (i.e. unrelated individual), sex of the individual.

SOURCE: U.S. Department of Commerce, Social and Economic Statistics Administration, U.S. Bureau of the Census, "Characteristics of the Low-Income Population: 1973," Current Population Reports, Series P-60, No. 98, p. 162.

DETAILED NOTES
TAPE POSITION 150

Region

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

<u>Region</u>	<u>States Included</u>
Northeast	Maine, Vermont, New Hampshire, Massachusetts, Connecticut, Rhode Island, New York, New Jersey, and Pennsylvania
South	Delaware, Maryland, District of Columbia, West Virginia, Virginia, Kentucky, Tennessee, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, and Arkansas

Midwest Ohio, Illinois, Indiana, Michigan, Wisconsin,
Minnesota, Iowa, Missouri

West Washington, Oregon, California, Nevada,
New Mexico, Arizona, Texas, Oklahoma, Kansas,
Nebraska, North Dakota, South Dakota, Idaho,
Utah, Colorado, Montana, and Wyoming.

DETAILED NOTES

TAPE POSITIONS 158-193

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

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

Analyses on a particular subsample should exclude all those examinees with a weight of zero or blank in the appropriate set of weights. Zero or blank weights indicate that:

- 1) the examinee was not in that subsample, or
- 2) the examinee was in the subsample but the sample design dictated that the examinee was not supposed to receive the examination component, or
- 3) the examinee was in the subsample and was supposed to receive the examination component, but the data is missing due to nonresponse.

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

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

DETAILED NOTES
TAPE POSITIONS 205-237

Lung measurement techniques

Surface areas of lungs -- The technique used to measure lung surface areas was that described by Harris et al in the American Journal of Medicine 50:

756-763, 1971. The technician first traced with a pencil on the posterior-anterior (PA) and lateral films:

- 1) the left lung perimeter
- 2) the right lung perimeter, excluding the heart and mediastinal shadows, and
- 3) the lateral lung perimeter, using the posterior margins of the vertebrae, the internal sternal margin and the line midway between the diaphragms.

The technician then again traced the lung perimeters using the magnifying tracer of the planimeter. This data was interpreted by a Numonics model 1224 electronic digitizer, and areas were read and recorded from the display console.

Thoracic diameters -- The PA diameter, given in centimeters, was the maximum transverse diameter of the chest on the PA film, as measured by the Numonics digitizer. The first and second lateral diameters were the least distance in centimeters from the superior and inferior posterior margins of the eighth thoracic vertebrae to the posterior margin of the sternum, respectively. Measurements were made with the Numonics digitizer. Thoracic diameters were not measured for examinees in the Augmentation Survey.

Tracheal diameters -- Tracheal diameters were measured at the levels of the superior borders of the second (T₂) and the third (T₃) thoracic vertebrae. Measurements were made with a straight edge and a square. Using a straight

edge, the tracheal borders at the levels of T₂ and T₃ were marked. These lines were extended so as to best parallel their respective tracheal walls. A perpendicular to the right tracheal border was established with a square at the superior border of T₂ and T₃. Measurement of the distance between tracheal walls was measured along this perpendicular with a Fowler caliper, and readings were recorded to the nearest hundredth of a centimeter. Tracheal diameters were not measured for examinees in the Augmentation Survey.

DETAILED NOTES
TAPE POSITIONS 238-257Heart size measurement techniques

Five 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 XLVII, June 1973. As described in the article, the technician 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, B_1 and B_2 , 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 technician 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 A_1 (where the perpendicular from the left cardiac border intersected the transverse line) and the point A_2 (where the perpendicular from the right cardiac border intersected the transverse thoracic line) was measured and recorded. This distance, A_1 to A_2 , defined the maximum cardiac diameter on the PA film. The technician then marked the point that identified the junction of the right atrium and the superior vena cava, C_1 , and the point that marked the cardiac apex, C_2 . 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. The technician then marked a horizontal line on the lateral chest x-ray which transected the heart at its

widest diameter. The points where the line intersected the anterior and posterior cardiac shadow were identified, and this distance was measured and recorded as the greatest cardiac diameter on the lateral film, E₁ to E₂.

DETAILED NOTES
TAPE POSITIONS 258-322, 323-387, 388-452

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, kyphosis, pectus 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 (e.g., segmental and nonsegmental infiltrates) 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.

The final report of the contractor responsible for making all heart size and lung measurements and all assessments for cardiopulmonary pathology is available to interested parties. In addition, a portion of that final report has been excerpted and is included as Appendix I to this document. In the excerpted portion, the contractor has provided assessments of the validity and usefulness of each of the individual pathology findings presented in this dataset, as well as descriptions of problems encountered in the reading and evaluation process. Users of this data set are advised to review the excerpt prior to conducting any analyses of these data.

DETAILED NOTES
TAPE POSITIONS 259, 324, AND 389

Kyphosis

Findings related to kyphosis were not formally recorded for subjects who received the detailed examination during that part of NHANES I conducted from 1971 to 1974. Consequently, no response is coded for those 3854 subjects. For some of those subjects an observation of kyphosis was recorded in the "Comments" section of the coding form, but the observations were not consistently recorded. In addition, a number of subjects did not receive a lateral x-ray, and for these examinees the assessment of kyphosis was not reliable.

DETAILED NOTES
TAPE POSITIONS 274-293, 339-358, 404-423

Nodules

Review of the coding form used for the part of NHANES I conducted in 1971-74 prompted a revision of the section relating to nodules prior to the Augmentation Survey conducted in 1974-75. 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 in the Augmentation Survey. The relative location(s) of the largest and second largest nodules are only coded for subjects examined in 1971-74. The coding schema are approximately equivalent, except that the schema used for the subjects of the Augmentation Survey provides substantially more detail than that used for the examinees receiving the detailed examination in 1971-74.

DETAILED NOTES
TAPE POSITIONS 294-304, 359-369, 424-434

Infiltrates

Review of the coding form used for the part of NHANES I conducted in 1971-74 prompted a revision of the section relating to infiltrates prior to the Augmentation Survey conducted in 1974-75. In particular, more detailed coding schema were developed for the specific lobe in which localized segmental infiltrates were located, and for the severity of diffuse nonsegmental nonhomogeneous infiltrates. In each case the less specific schema can be derived by combining adjacent categories of the more specific schema.

DETAILED NOTES
TAPE POSITIONS 388-452

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 1971-74 (the General Nutrition examination) were only read once, so that for those examinees the final reading is simply a copy of the first reading. The x-rays of those subjects examined in the Augmentation Survey (conducted in 1971-74) were read twice by 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 first readings. The "second" reader was one of four radiology residents at the Southern Illinois School of Medicine. Expert judgement on disputed films was provided by Dr. William Sherrick, a staff radiologist at the Southern Illinois School of Medicine specializing in chest radiology. ' 1

DETAILED NOTES
TAPE POSITIONS 501-532

Pulmonary Diffusion

Measurements of single breath carbon monoxide diffusion capacity were performed on all detailed examinees using a Collins modular lung analyzer. This machine provides basic data from which estimates can be made of the rate of diffusion of gases across the pulmonary membranes.

Each examinee who the physician did not disqualify performed first a Forced Expiratory Spirogram to establish his forced vital capacity and then three trials on the lung analyzer. Each trial consisted of: 1) a maximal inspiration of a gas mixture containing air, 10 percent helium (He), and 0.3 percent carbon monoxide (CO), followed by 2) breathholding for about 10 seconds, and finally 3) as complete and rapid an expiration as the examinee could perform. The expired gas was analyzed for the proportions of expired He and CO. Trials were separated by rest periods of at least five minutes.

Each trial and the entire test was subjected to a variety of quality control criteria, including:

- 1) Inspired volumes must be at least 80 percent of forced vital capacity.
- 2) Inspiration times must be less than three seconds.
- 3) Breathholding times must be between 8.5 and 11.5 seconds.
- 4) Expired gas samples must be at least 500 ml.

- 5) The volumes of inspired gas must not decrease more than 200 ml during breathholding.
- 6) The trials must be free of inhalation artifacts.
- 7) Expired CO and He measurements must not differ by more than 10 percent.

Calculations of pulmonary diffusion capacity (D_{LCO}) were performed at the end of the survey for all trials that were free of quality control violations, using the following formula:

$$D_{LCO} = (IVC * HE_I / HE_E - \text{Weight in pounds} - 75) * \text{STPD factor} * \\ (192 / \text{Breathholding time}) * (1 / (BP - 47)) * \\ \ln ((CO_I / CO_E) * (HE_I / HE_E))$$

where:

IVC = Inspired vital capacity

HE_I, HE_E = Inspired and expired helium concentration

STPD = Standard Temperature and Pressure correction factor

BP = Uncorrected barometric pressure

CO_I, CO_E = Inspired and expired carbon monoxide concentration

A summary D_{LCO} was also derived. The summary was the average of all D_{LCO} 's that were within 10 percent of the largest, or the largest alone if reproducibility had not been demonstrated or if only one trial was available.

DETAILED NOTES
TAPE POSITIONS 551-563

Tuberculin Test

Each adult ages 25-74 years selected in the sample for the more detailed examination was given a tuberculin skin test as part of the examination component relating to respiratory conditions. Due to the difficulty in getting the examinees to return to the examining center 48-72 hours after receiving their tuberculin tests for reading, tuberculin tests were only given to sample persons in stands 1-35. Examinees who had a history of a positive reaction, tuberculosis, Isoniazid prophylaxis or who were examined a day or two before the mobile examination unit was scheduled to move were not given the tuberculin skin tests.

Simultaneous skin testing with PPD-S tuberculin antigen and PPD-B antigen permitted differentiation between reactivity caused by infection with M. tuberculosis and the other mycobacteria. Trained staff nurses administered 5 tuberculin units contained in 0.1 cc solution into the left arm and 5 units of PPD-B in 0.1 cc solution into the right arm. Both antigens used in the survey examinations were obtained from the Tuberculosis Program of the Centers for Disease Control, Public Health Service. The tuberculin skin tests were read 48-72 hours after injection. The indurated area was measured to the nearest millimeter at its widest transverse diameter.

Further description of the tuberculin tests may be found in "Tuberculin Skin Test Reaction Among Adults 25-74 Years¹".

¹National Center for Health Statistics, A. Engel and J. Roberts:
Tuberculin Skin Test Reaction Among Adults 25-74 Years, by Vital and Health
Statistics. Series 11-No. 204. DHEW Pub. No. (HRA) 77-1649. Public Health
Service. Hyattsville, Md. July, 1977.

DETAILED NOTES
QUALITY CONTROL

When the reading and evaluation of the x-rays in this data set was initiated, objective criteria did not exist to assess the presence or absence or degree of significance for many of the fields reported in the section relating to cardiopulmonary pathology. After review of this data set by staff members of the National Center for Health Statistics, and in light of the comments raised by the primary contract reader, several studies were initiated to validate selected items from the data set. Cobb's angles were measured for all subjects with a positive finding for scoliosis (see Carter, O.D., and Haynes, S.G.: Prevalence rates and risk factors for scoliosis in U.S. adults: Results from the First National Health and Nutrition Examination Survey (NHANES I). In preparation.) The right descending pulmonary artery was measured for all subjects with a positive finding for pulmonary artery enlargement (as well as for a sample of subjects who did not have positive findings) by an acknowledged expert in that condition, and the results are currently being analyzed to determine proportions of false positives and negatives. Finally, all x-rays reported to show some pleural disease have been re-read by an expert in that condition, and these data are also currently being analyzed.

Users may wish to consider conducting validation studies of their own prior to pursuing specific analyses. Under certain restricted circumstances, it is possible to obtain from NCHS selected subsets of x-rays from the original data set to conduct such studies. Contact Terence Drizd or Dr. Suzanne Haynes of the Medical Statistics Branch, Division of Health Examination Statistics, NCHS for more information.

APPENDIX I

Excerpt from Final Report of Contract X-ray Reader

Kyphosis, a subjective evaluation, was a source of disagreement between readers. The data should not be used as free standing prevalence data. However, the adjudicated data should prove useful for comparison with and for assessment of other pulmonary data, e.g., spirometry and physical examination data.

Scoliosis was a frequent finding. Most of the differences of opinion as to the presence or absence of scoliosis occurred when there were small angulations which had not been recorded by one of the readers. The data should be further refined by having the angles of the scoliosis measured so that the data become quantitative as well as qualitative. This data is of good quality as a source of prevalence estimates as well as a source of comparison with spirometric abnormalities.

Pectus excavatum, a subjective evaluation, was a source of substantial disagreement between readers. Since this abnormality has been linked to diaphragmatic abnormalities, it is an important finding to compare with the other data, e.g., spirometry and physical examination findings. It should not be used as a source of prevalence estimates for pectus excavatum.

Nodules were the most common abnormality. They 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 #1 remeasuring the nodules and adjudicating the reading to the maximal diameter of the nodule. This consumed a large amount of time. However, the final data on the prevalence and the size of the nodule is good data for publication. The enumeration of the nodules presented problems, particularly when the

densities near the hilum could be interpreted as either a vessel or a nodule. When there was a difference of opinion as to whether a nodule was present or absent, the lesions were adjudicated as not present. The data on the number of nodules present should prove useful for assessing the extent of the inflammatory process in the lung.

The coding of the abnormalities by utilizing the smallest lung divisions which were likely to encompass the lesion, (e.g., a segment of 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. Furthermore, because of the variation in the size of the nodules discussed above, the positions of the nodules were frequently translocated because of differences in ranking of the size of the nodules. This difference in segmental locations was arbitrarily resolved by reader #1 after remeasuring the nodules and re-ranking them according to their maximal diameter. However, the data on segmental location is not sufficiently precise to permit publication as free standing data. Yet, the data should prove useful in planning future surveys as well as in analyzing distribution of the abnormalities into the regions of the lungs such as left versus right or upper versus lower.

The etiology of the nodules represents a judgement on the part of the readers, and it proved to have reasonable inter-reader agreement. The prevalence of post-inflammatory nodules was impressive. This data should prove useful in assessing whether extensive inflammatory nodules of the lung such as one sees in histoplasmosis have an appreciable effect on pulmonary mechanics. For the

nodules which were judged to non-infectious, this data establishes an upper limit that one could expect in utilizing x-rays and evaluating the prevalence of abnormalities such as carcinoma of the lung.

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. Because this is a frequent abnormality in the lung, future coding forms should have an independent space for coding platelike atelectasis.

Co-existence of a diffuse nonhomogeneous, nonsegmental pulmonary infiltrate (which would be compatible with a previous tubercular or fungal infection) and a more diffuse nonhomogeneous, nonsegmental infiltrate was a frequent source of coding problems. Some readers coded this abnormality as a nonhomogeneous and as a symmetrical infiltrate of the lung. Other readers coded the infiltrates as both a nonhomogeneous nonsegmental and a homogeneous segmental infiltrate, emphasizing that there were components of both distributions present. It is my impression that these two lesions frequently co-exist and are both related to a previous tubercular or fungal infection -the major local infections causing the homogeneous and symmetrical infiltrates and the longstanding spread of antigen diffusely in the lung by bronchogenic spread leading to a more homogeneous and symmetrical infiltrate which is probably a fibrosis in the lung. Future recording forms should have an

additional code which permits the reader to record this observation without entering the homogeneous and symmetrical infiltrate as an independent observation, or the coding directions should be explicit as to how to make independent judgements as to whether there were two components to the infiltrate in the lung.

The assessment as to whether the nonhomogeneous, nonsegmental infiltrates were either minimal, moderate or far advanced, according to the former NTRDA classification (Diagnostic Standards and Classification of Tuberculosis, National Tuberculosis and Respiratory Disease Association, New York, NY, 1969) did not present unusual problems. This is a useful assessment and should permit comparing the extent of the radiographic lesion with the severity of the pulmonary function abnormalities and with the presence or absence of pulmonary symptomatology.

In contrast, there was much inter-reader disagreement in assessing whether the homogeneous, symmetrical infiltrates were extensive by making judgement as to whether 1/3, 2/3 or the entire lung was involved. This data should not be used for publication. However, it could be used for comparison with assessments of the severity of the impairment by spirometry and other pulmonary data. If these prove to correlate well, then this assessment might be further refined for use in future surveys by refining the coding instructions.

Assessing whether emphysema was present and whether the diaphragms were flat was subjective. The coding instructions were not explicit on criteria to use

for judging the diaphragms as flat. The failure of all the readers, except a single one of the second readers using a blank rather than a code of 8 to signify the absence of findings, was the major source of recorded differences. However, when this variability had been edited, and the reading adjudicated, the result in assessment of the prevalence of these findings represents a reasonable assessment for publication. This prevalence of findings on x-rays underestimates the prevalence of emphysema. It has been previously reported (Am. Rev. Resp. Dis. 42: 889-899, 1966) that this is a useful observation in detecting moderate to severe emphysema, but it is not useful in detecting mild to early stages of emphysema. The data should be quite useful for use in conjunction with other pulmonary data, including the findings on physical examination, spirometry, carbon monoxide diffusion, and the size of the lungs as assessed by planimetry. It represent confirmatory evidence for the presence of emphysema. In future surveys, there should be criteria in the instructions for assessing whether diaphragms are flat.

Calcified lymph nodes were prevalent. Instances where only one reader thought a lesion was present were adjudicated as absence of this finding. Lesions that were calcified and large were frequently recorded as only calcified and not as enlarged. Enlarged nodes which were calcified were adjudicated to be recorded only as "calcified nodes".

Difficulties in coding pleural disease were presented by thickening of the pleura of the apex of the heart and of the lung. These were findings which some readers did not code because they were frequent and considered normal. In the adjudication procedure, if these pleural abnormalities were marked and

thought to represent an extension of significant pulmonary disease, they were coded as abnormalities. In respect to the pleural findings, these x-rays have been reexamined as a subset to review for pneumonosis. That data should be useful in judging the extent and etiology of the pleural disease and represents an independent judgement by a panel of experts on pleural disease.

Those x-rays that had a cardiovascular abnormality checked - azygous vein, right atrial and right ventricular enlargement, cephalization, interstitial fluids, Kerley lines, rosettes, alveolar fluid, and left atrial and left ventricular enlargement, should be reevaluated by a panel of cardiac experts to assess the nature of the cardiac abnormality. I believe the data that has been collected is a useful screen for the presence or absence of abnormality of the cardiovascular system but should not be used to report prevalence of either left or right ventricular disease.

The pulmonary artery enlargement assessment was made by subjective evaluation. When both readers on the initial evaluation concurred as to the presence of the pulmonary artery abnormality, that should be used as a lower limit of the abnormality in the population. A more explicit criteria for judgement of pulmonary artery enlargement should be developed and all x-rays positive for this finding should be answered by these criteria. The current data should be useful to compare with other pulmonary observations, but should not be used as free standing data for estimating the prevalence of pulmonary hypertension. Those x-rays that were coded as showing pulmonary artery enlargement could be utilized as a subsample for further evaluation by a panel of experts in pulmonary vasculature disease.