19

Public Use Data Tape Documentation

nchs

Near and Distant Vision
Ages 25-74
Tape Number 4163

National Health and Nutrition Examination Survey, 1971-75

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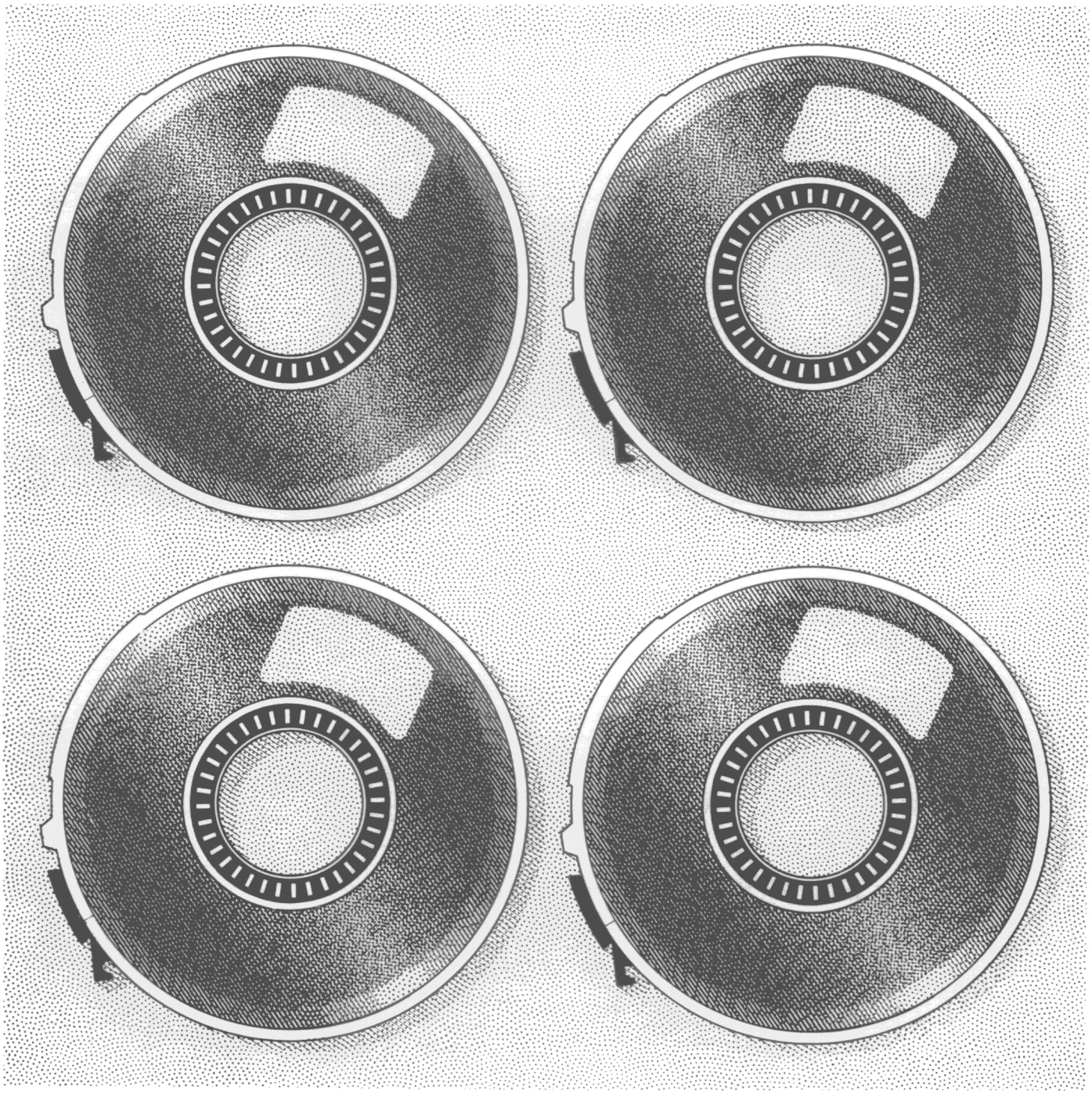

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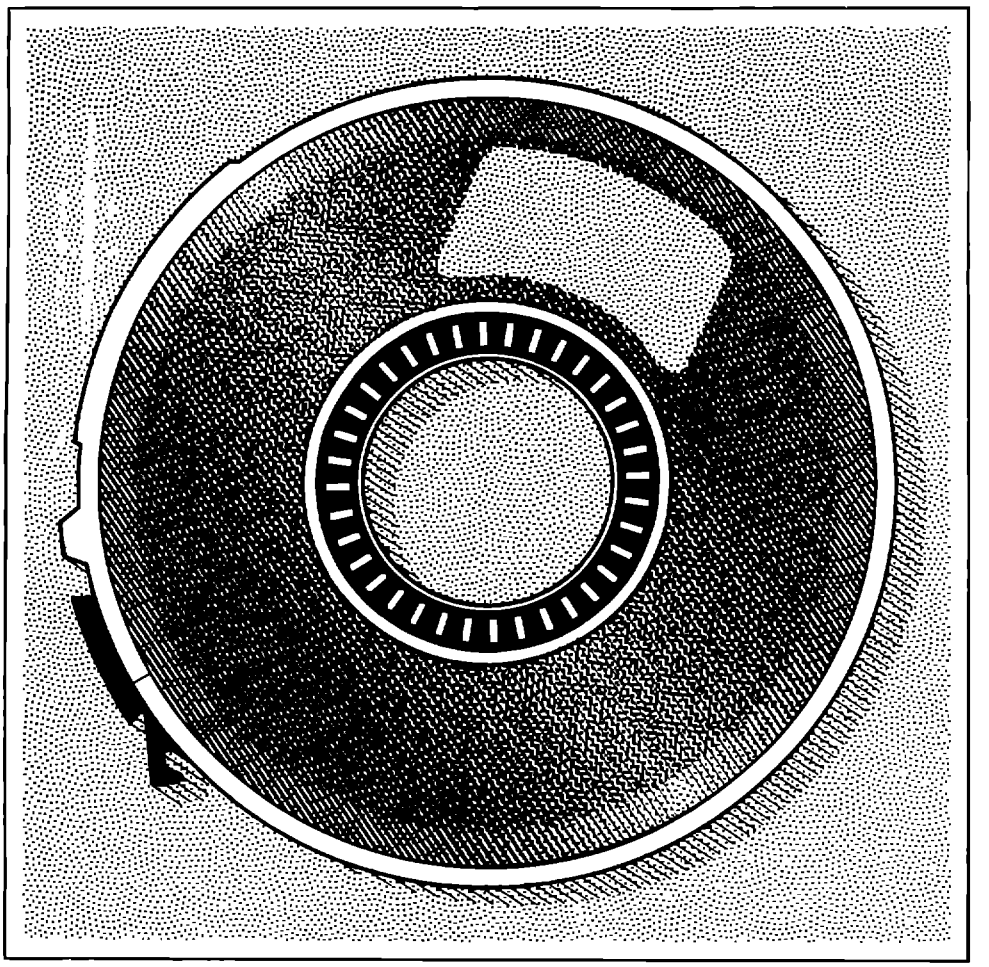

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Centers for Disease Control
National Center for Health Statistics

Hyattsville, Maryland
March 1989

The data compilation and documentation necessary for the Near and Distant Vision Data Tape were done by Robinson Fulwood, Everette Collins, Arnold Engel, M.D., Evelyn S. Stanton, Dorothy Blodgett and Rita M. Weinberger of the Division of Health Examination Statistics, National Center for Health Statistics. A special note of gratitude is due Carol Flaherty who patiently typed and retyped this material.

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NEAR AND DISTANT VISION DATA TAPE

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

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

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

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

After the nutrition survey was completed, the detailed examination given to the 25-74 age group was continued until the total number of examined persons was approximately double the number of examinees who received the detailed examination during the nutrition survey. This subsample included all persons examined during the augmentation phase of the HANES I survey. It comprised the last 35 PSU's (locations 66-100) of the detailed examinations. Included among the 35 PSU's were 5 of 15 large certainty metropolitan areas (superstrata) with population more than 2 million. The other 10 superstrata were collapsed into 5 groups of two each; only one of which was chosen for the detailed HANES I survey for locations 66-100 with a probability of 0.5. Of the 25 remaining noncertainty strata (defined as they were for HANES I 65 PSU design) only 2 were included in the survey. It is this subsample of the last 35 PSU's (locations 66-100), for which findings documented here are based. Altogether, 3,059 persons were examined during the period July 1974 and October 1975.

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

In addition to the information received on all examined persons by means of the above questionnaires, procedures and measurements, the following data were gathered on the subsample of adults aged 25-74: a medical history supplement; supplementary questionnaires concerning arthritis, respiratory and cardiovascular conditions (when applicable); a health care needs questionnaire; a general well-being questionnaire; an extended medical examination; x-rays of the chest and hip and knee joints, audiometry; electrocardiography; goniometry; spirometry; pulmonary diffusion and tuberculin tests; along with additional laboratory determinations.

Use of HANES Data

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

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

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

Errors in the Data Sets and Survey Differences

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

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

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

Variance Estimation

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

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

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

Recode Specifications for Strata-PSU Codes

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

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

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

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

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

*See detailed note for tape positions 158-193.

TAPE CHARACTERISTICS

Title: Near and Distant Vision Data Tape

Catalog Number: 4163

Data Set Name: HEHANESI.DU416303

Record Length: 500

Blocksize: 4000

Number of Records: 3059

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

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

Demographic information for each of the examinees appear in tape positions 1-200.

Distance Vision Examination: The distance vision test used in this examination was designed to measure visual acuity without using devices that simulated the recommended 20-foot distance (e.g. optical methods such as mirrors used in previous examination programs). This examination used Good-lite transilluminated wall charts with Sloan letters at an actual distance of 20 feet. The direct and background lighting was carefully controlled to insure accuracy. The examiner tested for both binocular and monocular distance vision.

Near Vision Examination: The near vision examination was designed to measure vision problems people may have when reading ordinary types of reading materials. Both the Keeney and Sloan Vision Examinations (tests) were given to each examinee. No standard reading distance (from examinee

to selection to be read) was required. Each examinee was allowed to choose a comfortable distance (recorded in centimeters) at which he could read the smallest print of a particular selection of cards without any trouble. Once the smallest print was read, it was termed "the Smallest Read Satisfactorily," which is defined as the selection where the examinee reached his difficulty level; that is, he was unable to read the subsequent (card) selection. This selection is coded as '1.' All correctly read selections prior to this "Smallest Read Satisfactorily" selection were left blank.

Other Vision Data: Physical examination data relating to the eyes can be found in tape locations 239-245 of the General Medical Examination, 1-74 years (catalog number 4233). Certain vision-related questions can be found on the Medical History Questionnaire, 1-11 years (catalog number 4067) and also on the Medical History Questionnaire, 12-74 years (catalog number 4081).

DEMOGRAPHIC DATA SUMMARY - HANES I

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

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

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

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

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

Tape Positions

Was he looking for work or on lay-off from a job 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 - Primary Sampling Unit (PSU) 194

NEAR AND DISTANT VISION DATA SUMMARY - HANES I

	Tape Positions
CATALOG NUMBER - 4163	201
Examiner Number (Distance)	209
Examiner Number (Near)	213
DISTANCE VISION	
With or without correction	225
With correction - both eyes	226
Without correction - both eyes	228
With usual correction - left eye	230
With usual correction - right eye	232
Test results (not done/unsatisfactory)	234
NEAR VISION	
With or without correction	235
Test using Sloan reading cards (both eyes)	
Selection 500 -	
Attempted	236
Distance	237
Smallest read satisfactorily	240
Number wrong	241
Selection 350 -	
Attempted	242
Distance	243
Smallest read satisfactorily	246
Number wrong	247
Selection 250 -	
Attempted	249
Distance	250
Smallest read satisfactorily	253
Number wrong	254
Selection 200 -	
Attempted	256
Distance	257
Smallest read satisfactorily	260
Number wrong	261
Selection 150 -	
Attempted	263
Distance	264
Smallest read satisfactorily	267
Number wrong	268

NEAR VISION - continued	Tape Positions
Selection 125 -	
Attempted	270
Distance	271
Smallest read satisfactorily	274
Number wrong	275
Selection 100 -	
Attempted	277
Distance	278
Smallest read satisfactorily	281
Number wrong	282
Selection 75 -	
Attempted	284
Distance	285
Smallest read satisfactorily	288
Number wrong	289
Selection 50 -	
Attempted	292
Distance	293
Smallest read satisfactorily	296
Number wrong	297
Test using Keeney read cards (both eyes)	
Selection 130 -	
Attempted	300
Distance	301
Smallest read satisfactorily	304
Number wrong	305
Selection 120 -	
Attempted	307
Distance	308
Smallest read satisfactorily	311
Number wrong	312
Selection 85 -	
Attempted	314
Distance	315
Smallest read satisfactorily	318
Number wrong	319
Selection 65 -	
Attempted	321
Distance	322
Smallest read satisfactorily	325
Number wrong	326
Selection 50 -	
Attempted	328
Distance	329
Smallest read satisfactorily	332
Number wrong	333

	Tape Positions
NEAR VISION - continued	
Selection 40 -	
Attempted	335
Distance	336
Smallest read satisfactorily	339
Number wrong	340
Selection 30 -	
Attempted	342
Distance	343
Smallest read satisfactorily	346
Number wrong	347
Selection 20 -	
Attempted	349
Distance	350
Smallest read satisfactorily	353
Number wrong	354
Conditions interferring with test	356
NEAR VISION (FOR NON-ENGLISH OR ILLITERATES)	
With or without correction	357
Test using Sloan letters (both eyes)	
Selection 500 -	
Distance	358
Score	361
Selection 350 -	
Distance	362
Score	365
Selection 250 -	
Distance	366
Score	369
Selection 200 -	
Distance	370
Score	373
Selection 150 -	
Distance	374
Score	377
Selection 125 -	
Distance	378
Score	381
Selection 100 -	
Distance	382
Score	385
Selection 75 -	
Distance	386
Score	389

Tape Positions

NEAR VISION (FOR NON-ENGLISH OR ILLITERATES) - continued

Selection 50 -
Distance 390
Score 393

Test using Keeney letters (both eyes)
Selection 130 -
Distance 394
Score 397
Selection 120 -
Distance 398
Score 401
Selection 85 -
Distance 402
Score 405
Selection 60 -
Distance 406
Score 409
Selection 50 -
Distance 410
Score 413
Selection 40 -
Distance 414
Score 417
Selection 30 -
Distance 418
Score 421
Selection 20 -
Distance 422
Score 425

Angle of visual acuity (Sloan) non-illiterate 426
Angle of visual acuity (Keeney) non-illiterate 430
Angle of visual acuity (Sloan) illiterate 434
Angle of visual acuity (Keeney) illiterate 438

DEMOGRAPHIC DATA TAPE
(n=3059)

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
			DEMOGRAPHIC DATA		
	1-5	5	Sample Sequence Number		
	6-9	4	Catalog Number 4271		
	10	1	Size of Place 1 - Urbanized area with 3,000,000 or more 2 - Urbanized area with 1,000,000 to 2,999,999 3 - Urbanized area with 250,000 to 999,999 4 - Urbanized area under 250,000 5 - Urban place 25,000 or more outside urbanized area 6 - Urban place 10,000 to 24,999 outside urbanized area 7 - Urban place 2,500 to 9,999 outside urbanized area 8 - Rural	442 376 644 168 60 149 174 1046	Household Questionnaire See Detailed Notes
	11	1	SMSA - Not SMSA 1 - In SMSA, in central city 2 - In SMSA, not in central city 4 - Not in SMSA	739 1171 1149	Household Questionnaire See Detailed Notes
	12	1	Type of Living Quarters 1 - Housing Unit 2 - Other unit	3039 20	Household Questionnaire
	13	1	Land Usage 1 - All other 2 - Rural	2035 1024	Household Questionnaire
	14	1	If Rural, asked How Many Acres of Land Are Included? 1 - 10 or more acres 2 - Less than 10 acres 9 - Not applicable	273 751 2035	Household Questionnaire

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
	15	1	If 10 acres or more, asked if Sale of Crops, Etc. Amount to $50 or more?		Household Questionnai
			2 - Yes	157	
			4 - No	116	
			9 - Not applicable	2786	
	16	1	If 10 acres or less, asked if Sale of Crops, Etc. Amount to $250 or more?		Household Questionnai
			3 - Yes	22	
			5 - No	729	
			9 - Not applicable	2308	
	17-18	2	Age - Head of Household		* Household Questionnair
			Blank	3059	
	19	1	Sex - Head of Household		* Household Questionnair
			Blank	3059	
	20-21	2	Highest Grade Attended - Head of Household		* Household Questionnair
			Blank	3059	

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
	22	1	Race - Head of Household Blank	3059	* Household Questionnai See Detailed Notes
	23-24	2	Total Number of Persons in Household 01-16 - As given	3059	Household Questionnair
	25-26	2	Total Sample Persons in Household 01-03 - As given	3059	Household Questionnair
	27	1	Number of Rooms in House Blank	3059	* Household Questionnair
	28	1	Is there piped water? Blank	3059	* Household Questionnaire
	29	1	If yes Is there hot and cold piped water? Blank	3059	* Household Questionnaire
	30	1	If yes to piped water - Does House Have a Sink with Piped Water? Blank	3059	* Household Questionnaire
	31	1	Does House Have a Range or Cook Stove? Blank	3059	* Household Questionnaire

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
	32	1	Does House have a Refrigerator?		Household Questionnaire
			Blank	3059	*
	33	1	Are kitchen facilities used by anyone not living in household?		Household Questionnaire
			Blank	3059	*
	34-35	2	Total Family Income Group		Household Questionnaire
			11 - Under $1,000 (including loss)	36	See Detailed Notes
			12 - $1,000-1,999	81	
			13 - $2,000-2,999	112	
			14 - $3,000-3,999	137	
			15 - $4,000-4,999	144	
			16 - $5,000-5,999	154	
			17 - $6,000-6,999	164	
			18 - $7,000-9,999	368	
			19 - $10,000-14,999	752	
			20 - $15,000-19,999	465	
			21 - $20,000-24,999	284	
			22 - $25,000 and over	261	
			88 - Blank, but applicable	101	
			NOTE: The following income questions were asked only if "Total Family Income" was less than $7,000.		
			DURING PAST YEAR DID YOU OR ANY MEMBERS OF YOUR FAMILY RECEIVE MONEY FROM:		
	36	1	Wages or Salaries?		* Household Questionnaire
			Blank	3059	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
	37-40	4	If yes to above, how much altogether before deductions? Blank	3059	Household Questionnair *
	41	1	Social Security or Railroad Retirement? Blank	3059	Household Questionnair *
	42-45	4	If yes to above, how much altogether? Blank	3059	Household Questionnair *
	46	1	Welfare Payments or Other Public Assistance? Blank	3059	Household Questionnair *
	47-50	4	If yes to above, how much altogether? Blank	3059	Household Questionnair *
	51	1	Unemployment or Workmen's Compensation? Blank	3059	Household Questionnair *

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
	52-55	4	If yes to above, how much altogether? Blank	3059	Household Questionnaire *
	56	1	Government Employee Pensions or Private Pensions? Blank	3059	Household Questionnaire *
	57-60	4	If yes to above, how much altogether? Blank	3059	Household Questionnaire *
	61	1	Dividends, interest or rent? Blank	3059	Household Questionnaire *
	62-65	4	If yes to above, how much altogether? Blank	3059	Household Questionnaire *
	66	1	Net income from own non-farm business, professional practice or partnership? Blank	3059	Household Questionnaire *

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
	67-70	4	If yes to above, how much altogether? Blank	3059	Household Questionnair *
	71	1	Net income from a farm? Blank	3059	Household Questionnair *
	72-75	4	If yes to above, how much altogether? Blank	3059	Household Questionnaire *
	76	1	Veteran's Payments Blank	3059	Household Questionnaire *
	77-80	4	If yes to above, how much altogether? Blank	3059	Household Questionnaire *
	81	1	Alimony, child support or contributions from persons not living in household? Blank	3059	Household Questionnaire *

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
	82-85	4	If yes to above, how much altogether?		Household Questionnaire
			Blank	3059	*
	86	1	Any other income?		Household Questionnaire
			Blank	3059	*
	87-90	4	If yes to above, how much altogether?		Household Questionnaire
			Blank	3059	*
	91-94	4	Total Amount (Total of Positions 37-90)		Household Questionnaire
			Blank	3059	*
	95-99	5	FAMILY UNIT CODE		Computer generated
			00217-23306 - As given	3059	See Detailed Notes
	100	1	Relationship to Head of Household		Household Questionnaire
			1 - Head (1 person living alone or with non-relatives)	324	
			2 - Head (2 or more related persons in family)	1326	
			3 - Wife	1257	
			4 - Child	85	
			5 - Other relative	67	
	101-2	2	Age at Interview		Household Questionnaire
			25-74 - As given	3059	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
	103	1	Race of Examined Person		Household Questionnaire See Detailed Notes
			1 - White	2760	
			2 - Negro	261	
			3 - Other	38	
	104	1	Sex of Examined Person		Household Questionnaire
			1 - Male	1332	
			2 - Female	1727	
	105	1	Marital Status		Household Questionnaire
			1 - Under 17	0	
			2 - Married	2400	
			3 - Widowed	201	
			4 - Never married	210	
			5 - Divorced	166	
			6 - Separated	79	
			8 - Blank, but applicable	3	
	106-9	4	Date of Birth (month, year)		Household Questionnaire
			01-12 - Month as given	3059	
			00-99 - Year (1899-1950) as given	3059	
	110-11	2	Place of Birth		Household Questionnaire See Detailed Notes
			01-02, 04-06, 08-13, 15-42, 44-51, 53-56, 60-81, 91-97 } As given	3058	
			88 - Blank, but applicable	1	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
	112-13	2	Highest Grade of regular school ever attended?		Household Questionnaire
			10 - None	12	
			21 - 1st Grade	6	
			22 - 2nd Grade	12	
			23 - 3rd Grade	30	
			24 - 4th Grade	31	
			25 - 5th Grade	33	
			26 - 6th Grade	58	
			27 - 7th Grade	69	
			28 - 8th Grade	268	
			31 - 9th Grade	137	
			32 - 10th Grade	195	
			33 - 11th Grade	164	
			34 - 12th Grade	1109	
			41 - First year of college	193	
			42 - Second year of college	198	
			43 - Third year of college	75	
			44 - Fourth year of college	251	
			45 - Graduate	216	
			88 - Blank, but applicable	2	
	114	1	Did he finish the grade?		Household Questionnaire
			1 - Yes	2407	
			2 - No	608	
			8 - Blank, but applicable	32	
			9 - Not applicable	12	
	115	1	Is he attending school now?		Household Questionnaire
			Blank	3059	*

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
	116	1	Has he ever attended a school of any kind?		Household Questionnair
			Blank	3059	*
	117	1	If yes, what kind of school?		Household Questionnair
			Blank	3059	*
	118	1	Is any language other than English frequently spoken in the household?		Household Questionnair
			1 - Yes.	245	
			2 - No	2813	
			8 - Blank, but applicable	1	
	119	1	If yes, what language?		Household Questionnair
			0 - German	22	
			1 - Italian	24	
			2 - French	12	
			3 - Polish	34	
			4 - Russian	1	
			5 - Spanish	72	
			6 - Chinese	8	
			7 - Other language	68	
			8 - Blank, but applicable	5	
			9 - Not applicable	2813	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
	120-21	2	What is your main ancestry or national origin?		Household Questionnaire
			00 - German	637	
			01 - Irish	429	
			02 - Italian	134	
			03 - French	131	
			04 - Polish	111	
			05 - Russian	35	
			06 - English	438	
			07 - Spanish	47	
			08 - Mexican	32	
			09 - Chinese	8	
			10 - Japanese	8	
			11 - American Indian	28	
			12 - Negro	255	
			13 - Jewish	7	
			14 - American	197	
			15 - Other	495	
			88 - Blank, but applicable	1	
			99 - Don't know	66	
	122	1	What was he doing most of past three months?		Household Questionnaire
			1 - Working	1687	
			2 - Keeping house	1014	
			3 - Something else	357	
			8 - Blank, but applicable	1	
			9 - Not applicable	0	
	123	1	If "something else" from above, what was he doing?		Household Questionnaire
			0 - Laid off	18	
			1 - Retired	164	
			2 - Student	30	
			3 - Other	24	
			4 - Ill	29	
			5 - Staying home	13	
			6 - Looking for work	14	
			7 - Unable to work	65	
			8 - Blank, but applicable	1	
			9 - Not applicable	2701	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
	124	1	If "keeping house" or "something else" from above, did he work at a job or business at any time during the past three months?		Household Questionnair
			1 - Yes	218	
			2 - No	1153	
			8 - Blank, but applicable	1	
			9 - Not applicable	1687	
	125	1	If "Working" from above, did he work full-time or part-time?		Household Questionnair
			1 - Full-time	1573	
			2 - Part-time	332	
			8 - Blank, but applicable	1	
			9 - Not applicable	1153	
	126	1	Did he work at any time last week or the week before? (not around house)		Household Questionnair
			1 - Yes.	1718	
			2 - No	187	
			8 - Blank, but applicable	1	
			9 - Not applicable	1153	
	127	1	If "no" to above, even though he did not work during that time, does he have a job or business?		Household Questionnaire
			1 - Yes	146	
			2 - No	1194	
			8 - Blank, but applicable	1	
			9 - Not applicable	1718	
	128	1	If "no" in Position 126, was he looking for work or on lay-off from a job?		Household Questionnaire
			1 - Yes	107	
			2 - No	1233	
			8 - Blank, but applicable	1	
			9 - Not applicable	1718	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
	129	1	If yes to above - which?		Household Questionnai
			1 - Looking	62	
			2 - Lay-off	35	
			3 - Both	10	
			8 - Blank, but applicable	1	
			9 - Not applicable	2951	
	130	1	Class of Worker		Household Questionnai
			1 - Private paid	1314	
			2 - Government-Federal	87	
			3 - Government-Other	293	
			4 - Own	235	
			5 - Non-paid	13	
			6 - Never worked	3	
			8 - Blank, but applicable	4	
			9 - Not applicable	1110	
	131	1	If self-employed in "own" business and not a farm, is the business incorporated?		Household Questionnai
			1 - Yes	28	
			2 - No	184	
			8 - Blank, but applicable	4	
			9 - Not applicable	2843	
	132-34	3	Business or Industry Code		Household Questionnai
			000 - Blank, but applicable	4	See Detailed Notes
			017-999	3055	
	135-37	3	Occupation Code		Household Questionnai
			000 - Blank, but applicable	6	See Detailed Notes
			001-995 - As given	3053	
	138-43	6	Date of Examination		Control Record
			Month - 01-12 as given	3059	
			Day - 01-31 as given	3059	
			Year - 74-75 as given	3059	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
	144-45	2	Age at Examination		
			25-75 - As given	3059	Computer generated
	146	1	Farm		Computer generated
			1 - Farm	179	See Detailed Notes
			2 - Nonfarm	2880	
	147-49	3	Poverty Index (X.XX)		Computer generated
			Blank	3059	See Detailed Notes *
	150	1	Region		
			1 - Northeast	769	Computer generated
			2 - Midwest	791	See Detailed Notes
			3 - South	726	
			4 - West	773	
	151-57	7	Work Area		

HEALTH AND NUTRITION EXAMINATION SURVEY (HANES I)

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
			SAMPLE WEIGHTS		
	158-181	24	Work Area		
	182-187	6	Detailed Persons - Locations 66-100	3059	See Detailed Notes
	188-193	6	Work Area		
	194-195	2	Strata 1/		
	196-198	3	Primary Sampling Units 1/		
	199-200	2	Data User Work Area		

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

VISION TAPE DOCUMENTATION
(n = 3059)

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
	201-204	4	Catalog Number 4163		
	205-208	4	Blank - Data User Work Area		
	209-210	2	Examiner Number (Distance) 69-86, 90-98 - As given	3059	Vision Testing Recording Form
	211-212	2	Blank - Data User Work Area		
	213-214	2	Examiner Number (Near) 33-68 - As given	3059	
	215-224	10	Blank - Data User Work Area		
			DISTANCE VISION		
	225	1	With or Without Correction		See Detailed Notes.
			1 - Wears glasses for test	1434	
			2 - Wears contact lenses for test	57	
			3 - Forgot (glasses, contact lenses)	18	
			4 - Does not wear either glasses or contact lenses	1521	
			8 - Blank but applicable	12	
			Blank	17	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
					Vision Testing Recording Form
	226-227	2	With Correction - Both Eyes (Binocular)		See Detailed Notes
			01-12 - As given	1529	
			Blank	1530	
	228-229	2	Without Correction - Both Eyes (Binocular)		See Detailed Notes
			00-12 - As given	2875	
			Blank	184	
	230-231	2	With Usual Correction - Left Eye (Monocular)		See Detailed Notes
			00-12 - As given	2972	
			Blank	87	
	232-233	2	With Usual Correction - Right Eye (Monocular)		See Detailed Notes
			00-12 - As given	3001	
			Blank	58	
	234	1	Test Results		
			1 - Test not done	39	
			2 - Test unsatisfactory	21	
			Blank	2999	
			NEAR VISION		
	235	1	With or Without Correction		
			1 - Wears glasses for test	1710	
			2 - Wears contact lenses for test	51	
			3 - Forgot (glasses, contact lenses)	74	
			4 - Does not wear either glasses or contact lenses	1049	
			8 - Blank but applicable	25	
			Blank	150	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
					Vision Testing Recording Form
			TEST USING SLOAN READING CARDS (BOTH EYES)		
			Selection 500 (8 possible words)		
	236	1	Attempted 1 - Attempted Blank	 0 3059	
	237-239	3	Distance 010-065 (cm) - As given Blank	 0 3059	
	240	1	Smallest Read Satisfactorily 1 - Read satisfactorily Blank	 0 3059	
	241	1	Number Wrong 0-8 - Number wrong Blank	 0 3059	
			Selection 350 (12 possible words)		
	242	1	Attempted 1 - Attempted Blank	 1 3058	
	243-245	3	Distance 010-037 (cm) - As given Blank	 1 3058	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
					Vision Testing Recording Form
	246	1	Smallest Read Satisfactorily		
			1 - Read satisfactorily	1	
			Blank	3058	
	247-248	2	Number Wrong		
			00 - As given	1	
			Blank	3058	
			Selection 250 (18 possible words)		
	249	1	Attempted		
			1 - Attempted	0	
			Blank	3059	
	250-252	3	Distance		
			010-065 (cm) - As given	0	
			Blank	3059	
	253	1	Smallest Read Satisfactorily		
			1 - Read satisfactorily	0	
			Blank	3059	
	254-255	2	Number Wrong		
			00-73 - As given	0	
			Blank	3059	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
					Vision Testing Recording Form
			Selection 200 (29 possible words)		
	256	1	Attempted		
			1 - Attempted	0	
			Blank	3059	
	257-259	3	Distance		
			010-065 (cm) - As given	0	
			Blank	3059	
	260	1	Smallest Read Satisfactorily		
			1 - Read satisfactorily	0	
			Blank	3059	
	261-262	2	Number Wrong		
			00-73 - As given	0	
			Blank	3059	
			Selection 150 (37 possible words)		
	263	1	Attempted		
			1 - Attempted	8	
			Blank	3051	
	264-266	3	Distance		
			041-054 (cm) - As given	8	
			Blank	3051	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
					Vision Testing Recording Form
	267	1	Smallest Read Satisfactorily		
			1 - Read satisfactorily	0	
			Blank	3059	
	268-269	2	Number Wrong		
			00-24 - Number wrong	8	
			Blank	3051	
			Selection 125 (44 possible words)		
	270	1	Attempted		
			1 - Attempted	19	
			Blank	3040	
	271-273	3	Distance		
			032-057 (cm) - As given	18	
			888 - Blank but applicable	1	
			Blank	3040	
	274	1	Smallest Read Satisfactorily		
			1 - Read satisfactorily	1	
			Blank	3058	
	275-276	2	Number Wrong		
			00-24 - Number wrong	19	
			Blank	3040	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
					Vision Testing Recording Form
			Selection 100 (73 possible words)		
	277	1	Attempted		
			1 - Attempted	112	
			Blank	2947	
	278-280	3	Distance		
			005-070 (cm) - As given	112	
			Blank	2947	
	281	1	Smallest Read Satisfactorily		
			1 - Read satisfactorily	17	
			Blank	3042	
	282-283	2	Number Wrong		
			00-06 - As given	112	
			Blank	2947	
			Selection 75 (122 possible words)		
	284	1	Attempted		
			1 - Attempted	989	
			Blank	2070	
	285-287	3	Distance		
			006-073 (cm) - As given	987	
			888 - Blank but applicable	2	
			Blank	2070	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
					Vision Testing Recording Form
	288	1	Smallest Read Satisfactorily		
			1 - Read satisfactorily	66	
			Blank	2993	
	289-291	3	Number Wrong		
			000-114 - As given	984	
			888 - Blank but applicable	1	
			Blank	2074	
			Selection 50 (308 possible words)		
	292	1	Attempted		
			1 - Attempted	2860	
			Blank	199	
	293-295	3	Distance		
			006-068 (cm) - As given	2860	
			Blank	199	
	296	1	Smallest Read Satisfactorily		
			1 - Read satisfactorily	2786	
			Blank	273	
	297-299	3	Number Wrong		
			000-094 - As given	2852	
			Blank	207	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
					Vision Testing Recording Form
			KEENEY READING CARDS (BOTH EYES)		
			Selection 130 (11 possible words)		
	300	1	Attempted		
			1 - Attempted	9	
			Blank	3050	
	301-303	3	Distance		
			037-059 (cm) - As given	9	
			Blank	3050	
	304	1	Smallest Read Satisfactorily		
			1 - Read satisfactorily	1	
			Blank	3058	
	305-306	2	Number Wrong		
			00 - As given	9	
			Blank	3050	
			Selection 120 (11 possible words)		
	307	1	Attempted		
			1 - Attempted	26	
			Blank	3033	
	308-310	3	Distance		
			028-062 (cm) - As given	26	
			Blank	3033	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
					Vision Testing Recording Form
	311	1	Smallest Read Satisfactorily		
			1 - Read satisfactorily	6	
			Blank	3053	
	312-313	2	Number Wrong		
		0	00-01 - As given	25	
			Blank	3034	
			Selection 85 (17 possible words)		
	314	1	Attempted		
			1 - Attempted	120	
			Blank	2939	
	315-317	3	Distance		
			007-075 (cm) - As given	121	
			Blank	2938	
	318	1	Smallest Read Satisfactorily		
			1 - Read satisfactorily	20	
			Blank	3039	
	319-320	2	Number Wrong		
			00-13 - As given	121	
			Blank	2938	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
					Vision Testing Recording Form
			Selection 65 (25 possible words)		
	321	1	Attempted		
			1 - Attempted	344	
			Blank	2715	
	322-324	3	Distance		
			006-075 (cm) - As given	344	
			Blank	2715	
	325	1	Smallest Read Satisfactorily		
			1 - Read satisfactorily	45	
			Blank	3014	
	326-327	2	Number Wrong		
			00-20 - As given	343	
			Blank	2716	
			Selection 50 (30 possible words)		
	328	1	Attempted		
			1 - Attempted	1063	
			Blank	1996	
	329-331	3	Distance		
			006-077 (cm) - As given	1063	
			Blank	1996	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
					Vision Testing Recording Form
	332	1	Smallest Read Satisfactorily		
			1 - Read satisfactorily	68	
			Blank	2991	
	333-334	2	Number Wrong		
			00-28 - As given	1060	
			Blank	1999	
			Selection 40 (32 possible words)		
	335	1	Attempted		
			1 - Attempted	2357	
			Blank	702	
	336-338	3	Distance		
			006-070 (cm) - As given	2359	
			Blank	700	
	339	1	Smallest Read Satisfactorily		
			1 - Read satisfactorily	324	
			Blank	2735	
	340-341	2	Number Wrong		
			00-29 - As given	2354	
			Blank	705	
			Selection 30 (50 possible words)		
	342	1	Attempted		
			1 - Attempted	2601	
			Blank	458	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
					Vision Testing Recording Form
	343-345	3	Distance 011-070 (cm) - As given Blank	 2606 453	
	346	1	Smallest Read Satisfactorily 1 - Read satisfactorily Blank	 1389 1670	
	347-348	2	Number Wrong 00-49 - As given Blank	 2599 460	
			Selection 20 (61 possible words)		
	349	1	Attempted 1 - Attempted Blank	 1857 1202	
	350-352	3	Distance 009-060 (cm) - As given Blank	 1867 1192	
	353	1	Smallest Read Satisfactorily 1 - Read satisfactorily Blank	 1079 1980	
	354-355	2	Number Wrong 00-61 - As given Blank	 1867 1192	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
					Vision Testing Recording Form
	356	1	Conditions Interferring with Test		
			1 - Cannot read English	40	
			2 - Cannot read	70	
			3 - Difficulty speaking	2	
			4 - Other	22	
			Blank	2925	
			NEAR VISION (FOR NON-ENGLISH OR ILLITERATES)		
	357	1	With or Without Correction		
			1 - Wears glasses for test	43	
			2 - Wears contact lenses for test	0	
			3 - Forgot (glasses, contact lenses)	7	
			4 - Does not wear either glasses or contact lenses	58	
			Blank	2951	
			TEST USING SLOAN LETTERS (BOTH EYES)		
			Selection 500 (4 errors allowed)		
	358-360	3	Distance		
			010-065 (cm) - As given	0	
			Blank	3059	
	361	1	Score		
			1 - Completed	0	
			Blank	3059	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
					Vision Testing Recording Form
			Selection 350 (4 errors allowed)		
	362-364	3	Distance 010-065 (cm) - As given Blank	 0 3059	
	365	1	Score 1 - Completed Blank	 0 3059	
			Selection 250 (4 errors allowed)		
	366-368	3	Distance 010-065 (cm) - As given Blank	 0 3059	
	369	1	Score 1 - Completed Blank	 0 3059	
			Selection 200 (4 errors allowed)		
	370-372	3	Distance 010-065 (cm) - As given Blank	 0 3059	
	373	1	Score 1 - Completed Blank	 0 3059	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
					Vision Testing Recording Form
			Selection 150 (4 errors allowed)		
	374-376	3	Distance		
			037-039 (cm) - As given	2	
			Blank	3057	
	377	1	Score		
			1 - Completed	0	
			Blank	3059	
			Selection 125 (4 errors allowed)		
	378-380	3	Distance		
			029-048 (cm) - As given	7	
			Blank	3052	
	381	1	Score		
			1 - Completed	2	
			Blank	3057	
			Selection 100 (4 errors allowed)		
	382-384	3	Distance		
			029-056 (cm) - As given	15	
			Blank	3044	
	385	1	Score		
			1 - Completed	0	
			Blank	3059	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
					Vision Testing Recording Form
			Selection 75 (4 errors allowed)		
	386-388	3	Distance		
			029-064 (cm) - As given	50	
			Blank	3009	
	389	1	Score		
			1 - Completed	5	
			Blank	3054	
			Selection 50 (4 errors allowed)		
	390-392	3	Distance		
			021-068 (cm) - As given	101	
			Blank	2958	
	393	1	Score		
			1 - Completed	73	
			Blank	2986	
			TEST USING KEENEY LETTERS (BOTH EYES)		
			Selection 130 (4 errors allowed)		
	394-396	3	Distance		
			040-076 (cm) - As given	3	
			Blank	3056	
	397	1	Score		
			1 - Completed	1	
			Blank	3058	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
					Vision Testing Recording Form
			Selection 120 (4 errors allowed)		
	398-400	3	Distance		
			027-069 (cm) - As given	11	
			Blank	3048	
	401	1	Score		
			1 - Completed	2	
			Blank	3057	
			Selection 85 (4 errors allowed)		
	402-404	3	Distance		
			030-072 (cm) - As given	20	
			Blank	3039	
	405	1	Score		
			1 - Completed	1	
			Blank	3058	
			Selection 60 (4 errors allowed)		
	406-408	3	Distance		
			028-060 (cm) - As given	26	
			Blank	3033	
	409	1	Score		
			1 - Completed	2	
			Blank	3057	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
					Vision Testing Reporting Form
			Selection 50 (4 errors allowed)		
	410-412	3	Distance		
			024-071 (cm) - As given	51	
			Blank	3008	
	413	1	Score		
			1 - Completed	6	
			Blank	3053	
			Selection 40 (4 errors allowed)		
	414-416	3	Distance		
			022-073 (cm) - As given	80	
			Blank	2979	
	417	1	Score		
			1 - Completed	20	
			Blank	3039	
			Selection 30 (4 errors allowed)		
	418-420	3	Distance		
			018-078 (cm) - As given	79	
			Blank	2980	
	421	1	Score		
			1 - Completed	31	
			Blank	3028	

Item #	Tape Loc.	No. of Positions	ITEM DESCRIPTION & CODES	Control Counts	HANES I Data Source
					Vision Testing Recording Form
			Selection 20 (4 errors allowed)		
	422-424	3	Distance		
			016-048 (cm) - As given	49	
			Blank	3010	
	425	1	Score		
			1 - Completed	25	
			Blank	3034	
	426-429	4	Angle of Visual Acuity (Sloan) Non-Illiterate		
			0074-0946-As given	2863	
			Blank	196	
	430-433	4	Angle of Visual Acuity (Keeney) Non-Illiterate		
			0037-0567- As given	2854	
			Blank	205	
	434-437	4	Angle of Visual Acuity (Sloan) Illiterate		
			0083-0338- As given	79	
			Blank	2980	
	438-441	4	Angle of Visual Acuity (Keeney) Illiterate		
			0042-0353- As given	88	
			Blank	2971	
	442-500	59	Blank - Data User Work Area		

Size of Place

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

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

DETAILED NOTES

TAPE POSITION 11

SMSA

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

DETAILED NOTES

TAPE POSITIONS 22 AND 103

Race

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

DETAILED NOTES

TAPE POSITIONS 34-35

Total Family Income Group

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

DETAILED NOTES

TAPE POSITIONS 95-99

Family Unit Code

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

DETAILED NOTES
TAPE POSITIONS 110-111

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

DETAILED NOTES

TAPE POSITIONS 132-134 AND 135-137

Industry and Occupation Codes

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

The 1970 census of population Alphabetical Index of Industries and Occupations was used in the coding of both the industry and occupation.

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DETAILED NOTES

TAPE POSITION 146

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

DETAILED NOTES

TAPE POSITIONS 147-149

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

The two components of the PIR are the total income of the household (numerator) and a multiple of the total income necessary to maintain a family with given characteristics on a nutritionally adequate food plan[3] (denominator). The dollor value of the denominator of the PIR is constructed from a food plan (economy plan) necessary to maintain minimum recommended daily nutritional requirements. The economy plan is designated by the Department of Agriculture for "emergency or temporary use when funds are low."

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

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

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

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

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

2/ Orshansky, M.: "Counting the Poor: Another Look at the Poverty Profile," Social Security Bulletin, January 1965;"Who's Who Among the Poor: A Demographic View of Poverty," Social Security Bulletin, July 1965.

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

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

DETAILED NOTES

TAPE POSITIONS 147-149

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

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

[1]For unrelated individuals, sex of the individual.

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

DETAILED NOTES

TAPE POSITION 150

Region

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

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

DETAILED NOTES

TAPE POSITIONS 158- 193

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

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

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

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

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

DETAILED NOTES

POSITION 225

The data for this variable will not necessarily match the data gotten from the Medical History Supplement.

These numbers are limited to persons who brought their corrective lenses to the examination but not all who have corrective lenses. The Medical History Supplement will show all who have corrective lenses.

DETAILED NOTE

Positions 226-233

Code	Errors Allowed	Time	Chart
00	0	400	K
01	0	200	K
02	0	160	DV
03	0	125	ZS
04	2	100	ORN-KH
05	0	80	DV
06	1	60	HVC
07	1	50	ZHVD
08	1	40	OCVR
09	2	30	HOCRDS
10	2	25	KDVRZCOS
11	3	20	VRNHZDCSKO
12	3	16	ZSVDKHNORC

The above chart was extracted from the examinee's recording form found in the National Center for Health Statistics' collection and procedures publication 10c.

DETAILED NOTES

POSITIONS 226-227

The word "corrected" distance vision is used instead of distance vision "with correction." These two terms have the same meaning; that is, referring to those examinees who were wearing some form of correction, (i.e., glasses, contact lenses, etc.) during the examination. The chart used to identify the examinee's visual acuity is shown in Attachment A.

DETAILED NOTES

POSITIONS 228-229

The word "uncorrected" distance vision is used instead of distance vision "without correction" in the summary tabulations. Their meanings (here) are synonomous. That is, they refer to those examinees who did not wear any kind of correction (i.e., glasses, contact lenses, etc.) during the examination. The chart used to identify the examinee's level of visual acuity is shown in Attachment A.

DETAILED NOTES

POSITIONS 230-233

"Usual correction" refers to the examinee's normal visual status. If he wore some type of corrective lenses to the examination center, he was examined wearing the corrective lenses. If he did not have his corrective lenses, he was coded as "blank."

The chart used to identify the examinee's level of visual acuity is shown in Attachment A.

DETAILED NOTES

POSITIONS 426-441

Since the distances at which the different cards were read were recorded in centimeters, the angles of visual acuity were calculated in the following manner:

IAVA (angle of visual acuity)

SIZE (letter size of chart read)

d (distance in centimeters)

$$IAVA = (SIZE)/d\ (100) + 0.5$$

The addition of 0.5 makes the result an integer.

The angles of visual acuity should be written with two digits after the decimal point. Therefore, for example, a person who reaches his satisfactory level when reading card 120 with a distance of 35 cms. would subtend an angle of 8.71 degrees, not 871 degrees; nevertheless, the value 871 is written on the tape (convention being not to punch decimal points on the tape).

ATTACHMENT A

a. With correction				b. Without correction				c. With usual correction							
Both eyes				Both eyes				(1) Left eye – *(Odd numbers first)*				(2) Right eye – *(Even numbers first)*			
Chart (a)	Line (b)	Number of errors allowed (c)	Score *Mark (X) only one box* (d)	Chart (a)	Line (b)	Number of errors allowed (c)	Score *Mark (X) only one box* (d)	Chart (a)	Line (b)	Number of errors allowed (c)	Score *Mark (X) only one box* (d)	Chart (a)	Line (b)	Number of errors allowed (c)	Score *Mark (X) only one box* (d)
Big L			100	Big L			101	Big L			102	Big L			103
K	400	0	00 ☐	K	400	0	00 ☐	K	400	0	00 ☐	K	400	0	00 ☐
K	200	0	01 ☐	K	200	0	01 ☐	K	200	0	01 ☐	K	200	0	01 ☐
DV	160	0	02 ☐	DV	160	0	02 ☐	DV	160	0	02 ☐	DV	160	0	02 ☐
ZS	125	0	03 ☐	ZS	125	0	03 ☐	ZS	125	0	03 ☐	ZS	125	0	03 ☐
ORN –KH	100	2	04 ☐	ORN –KH	100	2	04 ☐	ORN –KH	100	2	04 ☐	ORN –KH	100	2	04 ☐
DV	80	0	05 ☐	DV	80	0	05 ☐	DV	80	0	05 ☐	DV	80	0	05 ☐
HVC	60	1	06 ☐	HVC	60	1	06 ☐	HVC	60	1	06 ☐	HVC	60	1	06 ☐
ZHVD	50	1	07 ☐	ZHVD	50	1	07 ☐	ZHVD	50	1	07 ☐	ZHVD	50	1	07 ☐
OCVR	40	1	08 ☐	OCVR	40	1	08 ☐	OCVR	40	1	08 ☐	OCVR	40	1	08 ☐
HOCRDS	30	2	09 ☐	HOCRDS	30	2	09 ☐	HOCRDS	30	2	09 ☐	HOCRDS	30	2	09 ☐
KDVRZCOS	25	2	10 ☐	KDVRZCOS	25	2	10 ☐	KDVRZCOS	25	2	10 ☐	KDVRZCOS	25	2	10 ☐
VRNHZDCSKO	20	3	11 ☐	VRNHZDCSKO	20	3	11 ☐	VRNHZDCSKO	20	3	11 ☐	VRNHZDCSKO	20	3	11 ☐
ZSVDKHNORC	16	3	12 ☐	ZSVDKHNORC	16	3	12 ☐	ZSVDKHNORC	16	3	12 ☐	ZSVDKHNORC	16	3	12 ☐

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