

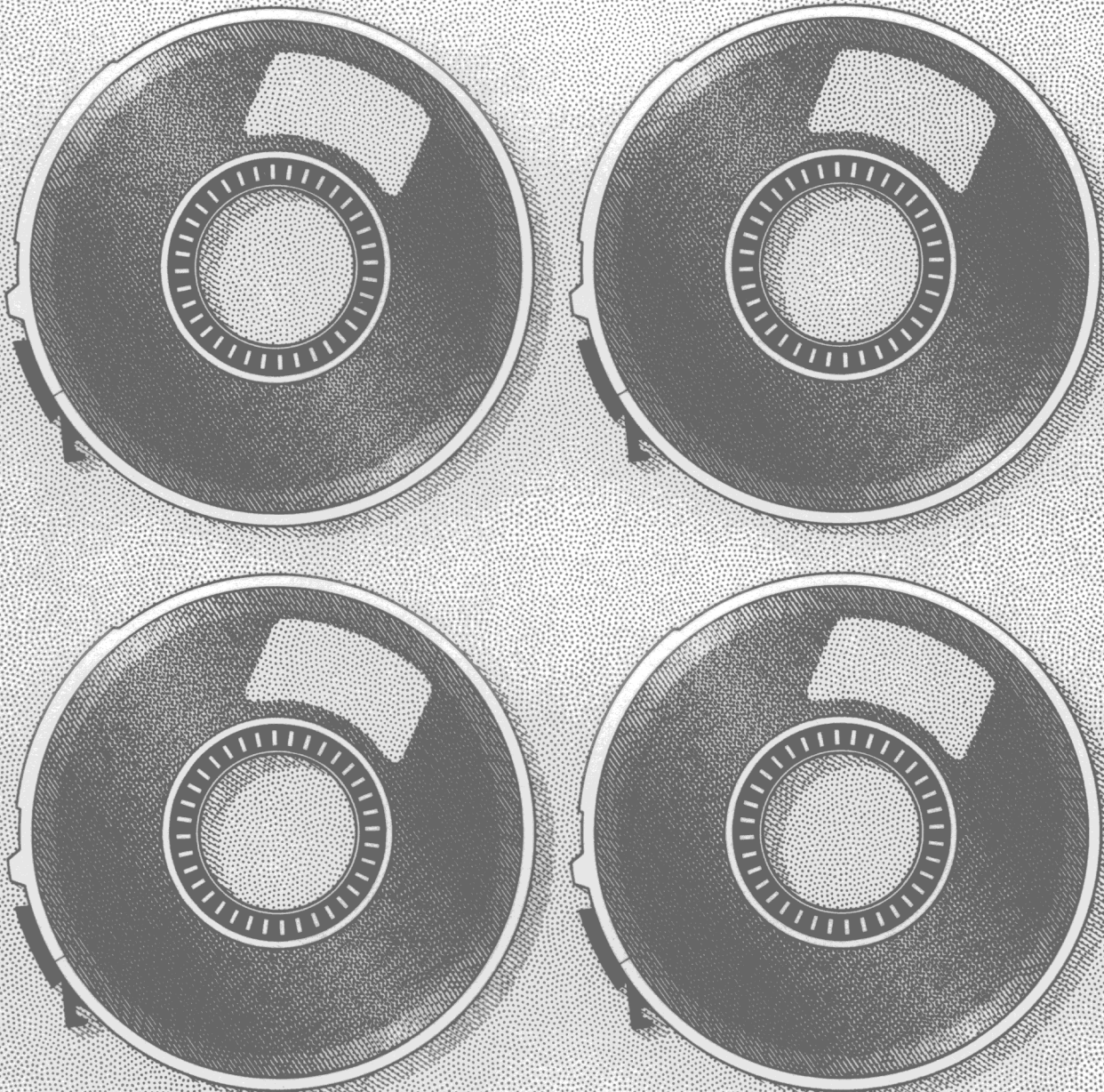
Public Use Data Tape Documentation



Dental Findings
I Tape Number 1006

National Health Examination Survey, 1959-62

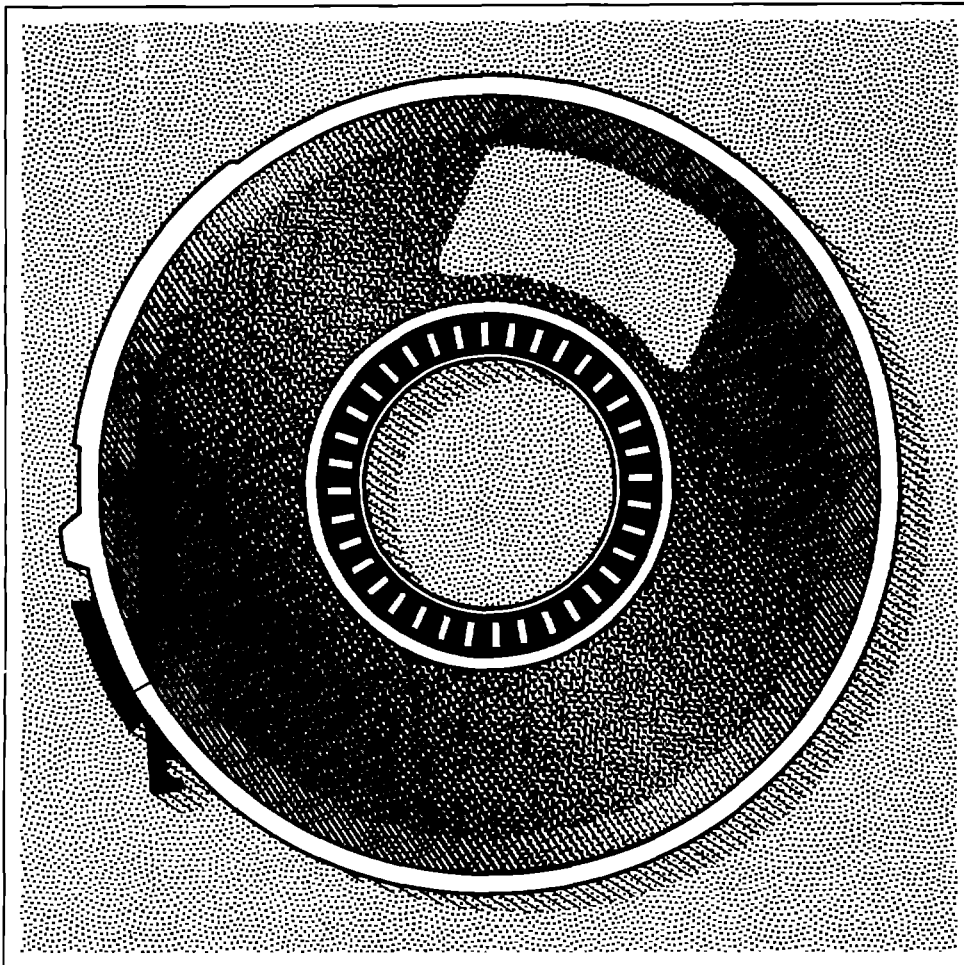
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES • Public Health Service • Office of Health Research, Statistics, and Technology • National Center for Health Statistics



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Dental Findings
I Tape Number 1006

National Health Examination Survey, 1959-62



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Office of Health Research, Statistics, and Technology
National Center for Health Statistics

Hyattsville, Maryland
May 1981

INTRODUCTION

The overall plan of the Health Examination Survey (HES) was to conduct successive, separate cycles of examinations in specific segments of the national population. The data in this report refers to the survey for Cycle 1.

The first cycle of the HES was the examination of a sample of adults. It was directed toward the collection of statistics on the medically defined prevalence of certain chronic diseases and of a particular set of dental findings and physical and physiological measurements. The probability sample consisted of 7,710 of all non-institutional civilian adults in the age range 18-79 years in the United States. Altogether, 6,672 persons were examined during the period from October 1959 to December 1962.

The tape contains data from the cycle I survey relating to the dental findings of each examined person. There are 6,672 records of 52 characters each. The first 51 characters are coded numeric and represent separate data items. The remaining character position is filled with a blank.

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FILE DESCRIPTION AND CODES

FILE CHARACTERISTICS

TITLE: User Data Set #6 - Dental Findings
CONTENT: Dental Findings Data
by File Sequence Number
CASE COUNT: 6672
RECORD COUNT: 6672
RECORDING MODE: FB
RECORD LENGTH: 52 Characters
RECS/BLOCK 1 Record
DENSITY: 1600-BPI
CHANNEL: 9-trk
LOCATION: North Carolina DP Facility
CREATED BY: DHES/NCHS/HRA
DATA SET NAME: HE006002.DENTAL
REEL NUMBER (S): 009200
COMMENTS: Copy of tape with same DSNAME HE006003.DENTAL
on Reel #003359

ITEM	TAPE POSITION		NUMBER OF POSITIONS	ITEM DESCRIPTION & CODES	CONTROL COUNTS	SOURCE	SRT TAPE POSITION
	FROM	TO					
1	1	5	5	FILE SEQUENCE #			
2	6	7	2	AGE/SEX		HES-203	35-36
				01	411		
				02	675		
				03	703		
				04	547		
				05	418		
				06	265		
				07	72		
				08	534		
				09	746		
				10	784		
				11	705		
				12	443		
				13	299		
				14	70		
3	8		1	RACE/SEX		HES-203	39
				1 - White Male	2669		
				2 - Negro Male	358		
				3 - Other Male	64		
				4 - White Female	3050		
				5 - Negro Female	469		
				6 - Other Female	62		
4	9		1	EDENTULOUS UPPER ARCH		HES-206	456
				1 - Full denture absent	161		
				2 - Full denture defective	83		
				3 - Full denture present	1451		
				4 - Edentulous-at least one natural tooth present	4957		
				5 - Edentulous-denture status not indicated	1		
				9 - Non-examined	19		

ITEM	TAPE POSITION FROM / TO	NUMBER OF POSITIONS	ITEM DESCRIPTION & CODES	CONTROL COUNTS	SOURCE	SRT TAPE POSITION
5	10	1	EDENTULOUS LOWER ARCH 1 - Full denture absent 2 - Full denture defective 3 - Full denture present 4 - Dentulous-at least one natural tooth present 5 - Edentulous-denture status not indicated 9 - Non-examined	223 19 961 5449 1 19	HES-206	457
6	11	1	USABLE ABUTMENTS - (UPPER) 1 1 - Yes 2 - No 3 - Edentulous Arch 9 - Non-examined	4774 183 1696 19	HES-206	462
7	12	1	USABLE ABUTMENTS - 1 (LOWER) 1 - Yes 2 - No 3 - Edentulous Arch 9 - Non-examined	5276 173 1204 19	HES-206	463
8	13	1	USABLE ABUTMENTS - 2 (UPPER) 1 - Yes 2 - No 3 - Edentulous Arch 9 - Non-examined	4561 396 1696 19	HES-206	464
9	14	1	USABLE ABUTMENTS - 2 (LOWER) 1 - Yes 2 - No 3 - Edentulous Arch 4 - Non-examined	4922 527 1204 19	HES-206	465

ITEM	TAPE POSITION		NUMBER OF POSITIONS	ITEM DESCRIPTION & CODES	CONTROL COUNTS	SOURCE	SRT TAPE POSITION
	FROM	TO					
11	17	18	2	SIMPLIFIED CALCULUS INDEX		HES-206	468-469
				00	2390		
				01	-		
				02	219		
				03	435		
				04	60		
				05	194		
				06	35		
				07	268		
				08	141		
				09	-		
				10	329		
				11	-		
				12	100		
				13	170		
				14	18		
				15	112		
				16	26		
				17	126		
				18	84		
				19	-		
				20	362		
				21	-		
				22	75		
				23	51		
				24	12		
				25	52		
				26	4		
				27	23		
				28	19		
				29	-		
				30	78		
				97 - None of the teeth used for the SCI were present	1268		
				98 - Missing data	2		
				99 - Non-examined	19		

ITEM	TAPE POSITION		NUMBER OF POSITIONS	ITEM DESCRIPTION & CODES	CONTROL COUNTS	SOURCE	SRT TAPE POSITION
	FROM	TO					
12	19		1	SHOULD SEE OWN DENTIST 1 - At next appointment 2 - At early date 3 - No Entry 9 - Non-examined	4181 2167 305 19	HES-206	472
13	20	21	2	PERIODONTAL INDEX 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	1426 363 358 349 235 198 177 138 136 119 160 85 95 95 85 83 56 55 54 40 175 35 30 51 34 28 40 32 41 24 24 15 13	HES-206	473-474

ITEM	TAPE POSITION		NUMBER OF POSITIONS	ITEM DESCRIPTION & CODES	CONTROL COUNTS	SOURCE	SRT TAPE POSITION
	FROM	TO					
13	20	21	2	PERIODONTAL INDEX (continued)		HES-206	473-474
				33	28		
				34	19		
				35	37		
				36	20		
				37	18		
				38	21		
				39	7		
				40	18		
				41	8		
				42	10		
				43	18		
				44	7		
				45	16		
				46	9		
				47	8		
				48	15		
				49	13		
				50	10		
				51	7		
				52	8		
				53	11		
				54	6		
				55	6		
				56	4		
				57	4		
				58	8		
				59	4		
				60	116		
				61	12		
				62	10		
				63	14		
				64	15		
				65	14		
				66	9		
				67	6		
				68	6		
				69	5		
				70	8		
				71	4		
				72	1		
				73	5		

ITEM	TAPE POSITION FROM / TO		NUMBER OF POSITIONS	ITEM DESCRIPTION & CODES	CONTROL COUNTS	SOURCE	SRT TAPE POSITION
13	20	21	2	PERIODONTAL INDEX (continued)		HES-206	473-474
				74	3		
				75	5		
				76	3		
				77	1		
				78	2		
				79	1		
				80	23		
				98	1201		
				99 - Non-Examined	19		
14	22	23	2	SIMPLIFIEDED ORAL HYGIENE INDEX		HES-206	475-476
				00	324		
				01	--		
				02	228		
				03	387		
				04	38		
				05	323		
				06	35		
				07	359		
				08	326		
				09	--		
				10	517		
				11	--		
				12	229		
				13	211		
				14	35		
				15	205		
				16	23		
				17	146		
				18	165		
				19	--		
				20	275		
				21	--		
				22	126		
				23	122		
				24	30		
				25	112		
				26	23		
				27	92		
				28	90		

ITEM	TAPE POSITION		NUMBER OF POSITIONS	ITEM DESCRIPTION & CODES	CONTROL COUNTS	SOURCE	SRT TAPE POSITION
	FROM	TO					
14	22	23	2	SIMPLIFIED ORAL HYGIENE INDEX (continued)		HES-206	475-476
				29	--		
				30	235		
				31	--		
				32	67		
				33	74		
				34	12		
				35	64		
				36	6		
				37	63		
				38	56		
				39	--		
				40	130		
				41	--		
				42	28		
				43	37		
				44	12		
				45	33		
				46	8		
				47	20		
				48	22		
				49	--		
				50	29		
				51	--		
				52	6		
				53	11		
				54	2		
				55	7		
				56	3		
				57	7		
				58	7		
				59	--		
				60	22		
98	1271	- Persons who did not have at least of the specified teeth					
99	19	- Non-examined					
15	24	25	2	NORMAL TEETH		HES-206	479-480
				00	1271		
				01	62		
				02	71		
				03	98		

ITEM	TAPE POSITION FROM / TO		NUMBER OF POSITIONS	ITEM DESCRIPTION & CODES	CONTROL COUNTS	SOURCE	SRT TAPE POSITION
15	24	25	2	NORMAL TEETH (continued)		HES-206	479-480
				04	151		
				05	183		
				06	251		
				07	263		
				08	283		
				09	248		
				10	224		
				11	248		
				12	240		
				13	245		
				14	229		
				15	233		
				16	239		
				17	201		
				18	192		
				19	191		
				20	180		
				21	167		
				22	181		
				23	155		
				24	126		
				25	131		
				26	120		
				27	108		
				28	115		
				29	99		
				30	53		
				31	51		
				32	44		
				99 - Non-examined	19		
16	26	27	2	DECAYED TEETH		HES-206	481-482
				00	4470		
				01	794		
				02	469		
				03	314		
				04	183		
				05	135		
				06	90		

ITEM	TAPE POSITION		NUMBER OF POSITIONS	ITEM DESCRIPTION & CODES	CONTROL COUNTS	SOURCE	SRT TAPE POSITION
	FROM	TO					
16	26	27	2	DECAYED TEETH (continued)		HES-206	481-482
				07	64		
				08	53		
				09	32		
				10	12		
				11	11		
				12	6		
				13	5		
				14	7		
				15	3		
				16	1		
				17	1		
				18	--		
				19	--		
17	28	29	2	FILLED TEETH		HES-206	483-484
				00	2613		
				01	357		
				02	320		
				03	266		
				05	211		
				05	210		
				06	223		
				07	209		
				08	181		
09	194						
10	205						
11	212						
12	210						
13	196						
14	197						
15	178						
16	142						
17	124						
18	114						
19	100						
20	74						
				99 - No exam	19		
				20	2		
				21	--		
				22	1		

ITEM	TAPE POSITION		NUMBER OF POSITIONS	ITEM DESCRIPTION & CODES	CONTROL COUNTS	SOURCE	SRT TAPE POSITION
	FROM	TO					
17	28	29	2	FILLED TEETH (continued)		HES-206	483-484
				21	48		
				22	32		
				23	17		
				24	12		
				25	4		
				26	2		
				27	2		
				28	--		
				29	--		
				30	--		
				31	--		
				32	--		
				99 - Non-examined	19		
18	30	31	2	FILLED DEFECTIVE TEETH		HES-206	485-486
				00	5500		
				01	716		
				02	248		
				03	98		
				04	43		
				05	21		
				06	7		
				07	8		
				08	4		
				09	2		
				10	3		
				11	1		
				12	--		
				13	1		
				14	1		
				99 - Non-examined	19		
19	32	33	2	NON-FUNCTIONAL CARIOUS		HES-206	487-488
				00	5737		
				01	401		
				02	198		
				03	112		
				04	71		
				05	39		
06	31						

ITEM	TAPE POSITION		NUMBER OF POSITIONS	ITEM DESCRIPTION & CODES	CONTROL COUNTS	SOURCE	SPT TAPE POSITION
	FROM	TO					
19	32	33	2	NON-FUNCTIONAL CARIOUS (continued)		HES-206	487-488
				07	17		
				08	11		
				09	5		
				10	4		
				11	7		
				12	7		
				13	7		
				14	2		
				15	--		
				16	1		
				17	--		
				18	2		
				19	1		
				99 - Non-examined	19		
20	34	35	2	TOTAL TEETH PRESENT		HES-206	493-494
				00	1170		
				01	17		
				02	23		
				03	16		
				04	34		
				05	32		
				06	66		
				07	76		
				08	90		
				09	78		
				10	85		
				11	60		
				12	58		
				13	53		
				14	59		
				15	59		
				16	86		
				17	91		
				18	97		
				19	130		
				20	157		
				21	176		
				22	228		

ITEM	TAPE POSITION		NUMBER OF POSITIONS	ITEM DESCRIPTION & CODES	CONTROL COUNTS	SOURCE	SPT TAPE POSITION
	FROM	TO					
20	34	35	2	TOTAL TEETH PRESENT		HES-206	493-494
				23	251		
				24	281		
				25	356		
				26	438		
				27	508		
				28	711		
				29	420		
				30	293		
				31	228		
				32	226		
				99 - Non-Examined	19		
21	36	37	2	TOTAL TEETH MISSING (Missing + Missing Space Closed + Replaced + Replaced Defective)			
				00	226		
				01	228		
				02	293		
				03	420		
				04	711		
				05	508		
				06	438		
				07	356		
				08	281		
				09	251		
				10	228		
				11	176		
				12	157		
				13	130		
				14	97		
				15	91		
				16	86		
				17	59		
				18	59		
				19	53		
				20	58		
				21	60		
				22	85		

ITEM	TAPE POSITION		NUMBER OF POSITIONS	ITEM DESCRIPTION & CODES	CONTROL COUNTS	SOURCE	SRT TAPE POSITION
	FROM	TO					
21	36	37	2	TOTAL TEETH MISSING (continued)		HES-206	495-496
				23	78		
				24	90		
				25	76		
				26	66		
				27	32		
				28	34		
				29	16		
				30	23		
				31	17		
				32	1170		
				99 - Non Examined	19		
22	38	39	2	MISSING SPACE CLOSED		HES-206	499-500
				00	5311		
				01	853		
				02	338		
				03	97		
				04	47		
				05	3		
				06	3		
				07	1		
				99 - No Exam	19		
23	40	41	2	REPLACED		HES-206	501-502
				00	4056		
				01	303		
				02	174		
				03	106		
				04	79		
				05	75		
				06	58		
				07	44		
				08	49		
				09	36		
				10	28		
				11	25		
				12	26		
				13	15		
				14	12		
				15	9		

ITEM	TAPE POSITION		NUMBER OF POSITIONS	ITEM DESCRIPTION & CODES	CONTROL COUNTS	SOURCE	SRT TAPE POSITION
	FROM	TO					
23	40	41	2	REPLACED (continued)		HES-206	501-502
				16	423		
				17	8		
				18	7		
				19	7		
				20	13		
				21	12		
				22	23		
				23	28		
				24	38		
				25	20		
				26	16		
				27	6		
				28	15		
				29	4		
				30	3		
				31	1		
				32	914		
				99 - Non-Examined	19		
24	42	43	2	REPLACED DEFECTIVE		HES-206	503-504
				00	6546		
				01	13		
				02	2		
				03	--		
				04	1		
				05	--		
				06	1		
				07	1		
				08	3		
				09	1		
				10	--		
				11	--		
				12	--		
				13	--		
				14	--		
				15	--		
				16	69		
				17	--		
				18	--		
				19	--		
				20	--		

ITEM	TAPE POSITION		NUMBER OF POSITIONS	ITEM DESCRIPTION & CODES	CONTROL COUNTS	SOURCE	SRT TAPE POSITION
	FROM	TO					
24	42	43	2	REPLACED DEFECTIVE (continued)		HES-206	503-504
				21	--		
				22	--		
				23	--		
				24	--		
				25	--		
				26	--		
				27	--		
				28	--		
				29	--		
				30	--		
				31	--		
				32	16		
				99 - Non-Examined	19		
25	44	45	2	DMF (SUMMATION OF THE FOLLOWING: CARIOUS, FILLED, FILLED DEFECTIVE, NON- FUNCTIONAL CARIOUS, TOTAL TEETH MISSING)		HES-206	505-506
				00	44		
				01	51		
				02	53		
				03	99		
				04	115		
				05	108		
				06	120		
				07	131		
				08	126		
				09	155		
				10	181		
				11	167		
				12	180		
				13	191		
				14	192		
				15	201		
				16	239		
				17	233		
				18	229		
				19	245		
				20	240		
				21	248		

ITEM	TAPE POSITION FROM / TO		NUMBER OF POSITIONS	ITEM DESCRIPTION & CODES	CONTROL COUNTS	SOURCE	SRT TAPE POSITION
25	44	45	2	DMF (continued) 22 23 24 25 26 27 28 29 30 31 32 99 - Non-Examined	224 248 283 263 251 183 151 98 71 62 1271 19	HES-206	505-506
26	46		1	LAST TIME SAW DENTIST 01 6 Months 02 6-11 Months 03 1 Year 04 2-4 Years 05 Over 4 Years 06 Never 09 Blank	1731 928 1059 1272 1290 221 171	HES1	507
27	47		1	PI CLASSIFICATION 01 Zero Perio 02 Gingivitis 03 Pockets 04 Edentulous 05 Incomplete Score 06 Non-Examined	1426 2610 1416 1170 31 19	HES-206	508
28	48		1	REGULAR DENTIST 01 Yes 02 No 03 Blank - No Response	4072 2555 45	HES1	548
29	49		1	DENTAL CHECK UPS 01 Yes 02 No 03 Blank - (No Response)	2506 4048 118	HES1	552

ITEM	TAPE POSITION FROM / TO		NUMBER OF POSITIONS	ITEM DESCRIPTION & CODES	CONTROL COUNTS	SOURCE	SRT TAPE POSITION
30	50		1	CLASSIFICATION BY DENTAL STATUS 1 Both arches edentulous - both dentures present and satisfactory 2 Both arches edentulous - one or both dentures defective or not present 3 One arch edentulous - denture present and satisfactory 4 One arch edentulous - denture defective or not present 5 Natural teeth present in both arches 6 No dental examination	915 255 469 91 4923 19	HES-206	873
31	51		1	NON-FUNCTIONAL TEETH RECODE 1 Yes 2 No 9 Non-Examined	1047 5606 19	HES-206	893

DETAIL NOTES

DETAIL NOTES #6, #7, #8, #9

USABLE ABUTMENTS 1 - UPPER

USABLE ABUTMENTS 1 - LOWER

USABLE ABUTMENTS 2 - UPPER

USABLE ABUTMENTS 2 - LOWER

A usable abutment refers to the presence of a posterior tooth which has a supporting structure that is sufficiently healthy that the tooth can be used to anchor a partial denture. A "1" refers to one quadrant of an arch, and a "2" refers to the other quadrant of the same arch (either upper or lower). Both quadrants must have a usable abutment in order to have a partial denture.

DETAIL NOTE #10

SIMPLIFIED DEBRIS INDEX

The surface area covered by debris is estimated by running a number five explorer along the surface being examined and noting the occlusal or incisal extent of the debris as it is removed from the tooth surface and adheres to the explorer.

SCORING:

- 0 - No debris or stain present.
- 1 - (a) Soft debris covering not more than the gingival third of the tooth surface.
(b) the presence of extrinsic stains without debris regardless of surface area covered.
- 2 - Soft debris covering more than one-third but not more than two-thirds of the exposed tooth surface.
- 3 - Soft debris covering more than two-thirds of the exposed tooth surface.

The debris scores are totaled and divided by the number of surfaces scored to obtain the Simplified Debris Index.

DETAIL NOTE #11

SIMPLIFIED CALCULUS INDEX

A number five explorer is used to estimate surface area covered by supragingival calculus and to probe for subgingival calculus.

SCORING:

- 0 - No calculus present.
- 1 - Supragingival calculus covering not more one-third of the exposed tooth surface.
- 2 - Supragingival calculus covering more than one-third but not more than two-thirds of the exposed tooth surface, and/or the presence of individual flecks of subgingival calculus around the cervical portion of the tooth.
- 3 - Supragingival calculus covering more than two-thirds of exposed tooth surface, and/or a continuous heavy band of subgingival calculus around the tooth.

The Simplified Calculus Index is determined by totaling the calculus scores for the teeth examined and dividing by the number of teeth scored. The term simplified means that only a few pre-selected teeth were examined and not all 32.

DETAIL NOTE #13

PERIODONTAL INDEX

A periodontal score is recorded for each tooth in the mouth, and the arithmetic average of all scores is the individual's Periodontal Index.

SCORING:

- 0 - Negative. There is neither overt inflammations in the investing tissues nor loss of function due to destruction of supporting tissues.
- 1 - Mild Gingivitis. There is an overt area of inflammation on the free gingival, but this area does not circumscribe the tooth.
- 2 - Gingivitis. Inflammation completely circumscribes the tooth, but there is no apparent break in the epithelial attachment.
- 6 - Gingivitis With Pocket Formations. The epithelial attachment has been broken and there is a pocket (not merely a deepened gingival crevice due to swelling in the free gingival). There is no interference with normal masticatory function, the tooth is firm in its socket, and has not drifted.
- 8 - Advanced Destruction With Loss Of Masticatory Function. The tooth may be loose; may have drifted; may sound dull on percussion with a metallic instrument; may be depressible in its socket.

DETAIL NOTE #14

SIMPLIFIED ORAL HYGIENE INDEX

The debris and calculus index scores are added to give the Simplified Oral Hygiene Index.

Detail Note #58

Reassurance Calls

This item refers to the number of personal contacts made with the sampled person to reconfirm the appointment for examination.