

15.12.77

THE PLANNING AND EVALUATION OF
A SCHOOL DENTAL PROGRAMME

PART THREE

A thesis submitted to
fulfil the requirements
for the degree of Doctor
of Dental Science

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April 1977

GENERAL PRESENTATION OF THE THESIS

The thesis is presented in three parts
with the following contents:

PART ONE

SUMMARY

GENERAL SUMMARY

- I GENERAL INTRODUCTION
- II GENERAL REVIEW OF THE LITERATURE
- III GENERAL MATERIALS AND METHODS
- IV THE TOTAL SCHOOL DENTAL PROGRAMME

PART TWO

- V INDIVIDUAL ASPECTS OF THE SCHOOL
DENTAL PROGRAMME
- VI PERIPHERAL SCHEMES WHICH COULD DIRECTLY
INFLUENCE THE PERFORMANCE OF THE
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Percentage distribution of occupational levels of fathers

School type	Socio-ec. level	Number of schools	Occupational level*		
			1	2	3
Primary	High	4	23	50	28
	Low	5	2	41	57
Secondary	High	3	20	43	37
	Low	3	11	45	44

*...1...professional or senior executive

...2...skilled or middle management

...3...unskilled

Reliability of examination techniques, as indicated by independent duplicate examinations of 67 students

	DMF(T) *	DMF(S) *
First examination	3.85 ±0.32	6.15 ±0.59
Second examination	3.93 ±0.30	6.30 ±0.58
Percentage difference (second from first)	2.08	2.44

*...Mean ± standard error

Dental health and habits*						
Mean number of fillings						
	6 yrs.	8 yrs.	10 yrs.	12 yrs.	14 yrs.	16 yrs.
A. Frequency of dental visits:						
1. At least six-monthly	2.71(115)	3.86(123)	3.82(145)	4.67(146)	5.89(158)	8.51(149)
2. Less often	0.61(221)	1.37(221)	1.25(191)	2.06(190)	3.88(174)	6.11(187)
Mean DMF(S)						
B. Frequency of consumption of sweets (inc. chocolate):						
1. More than once a week	1.82(198)	5.05(202)	8.83(201)	15.66(158)	24.31(158)	29.26(132)
2. Less often	1.64(137)	4.30(141)	7.56(136)	13.66(176)	19.95(173)	25.34(206)
Mean DMF(S)						
C. Frequency of consumption of cakes (inc. sweet bisc. and cream buns):						
1. More than once a week	1.71(267)	4.92(284)	8.38(272)	14.95(256)	22.83(261)	27.69(236)
2. Less often	1.90(70)	3.90(64)	8.09(66)	13.48(80)	19.10(72)	24.97(102)
Mean oral debris score						
D. Frequency of toothbrushing:						
1. At least twice a day	0.55(82)	0.56(77)	0.49(88)	0.44(118)	0.32(144)	0.28(159)
2. Less often	0.70(252)	0.78(267)	0.57(247)	0.66(217)	0.57(189)	0.43(179)
Mean gingival disease score						
E. Frequency of toothbrushing:						
1. At least twice a day	0.37(82)	0.58(77)	0.46(88)	0.46(118)	0.28(144)	0.25(159)
2. Less often	0.45(252)	0.63(267)	0.55(247)	0.60(217)	0.47(189)	0.38(179)

*...Numbers of subjects in brackets

Status of permanent teeth by age and sex

Age-sex	Number of subjects	D*	Mc*	Ms*	Fs*	Fc*	DMF(T)**	DMF(S)**	Percentage of subjects with			F/DMF(T)
									DMF(T)	Fs or Fc	Mc	
6yr. M	169	1.13	0.00	0.00	0.06	0.03	1.19 ±0.11	1.56 ±0.17	50.3	3.6	0.0	0.05
F	167	1.35	0.00	0.00	0.11	0.05	1.46 ±0.12	1.93 ±0.17	59.9	5.4	0.0	0.07
8yr. M	163	2.55	0.03	0.00	0.37	0.30	2.96 ±0.11	4.70 ±0.26	92.0	28.8	1.2	0.12
F	183	2.74	0.02	0.00	0.30	0.18	3.06 ±0.11	4.77 ±0.25	90.2	23.0	1.1	0.10
10yr. M	167	3.46	0.10	0.05	0.77	0.60	4.33 ±0.17	8.00 ±0.40	95.2	44.3	4.8	0.18
F	170	3.71	0.22	0.04	0.76	0.67	4.68 ±0.19	8.64 ±0.43	98.8	45.9	10.6	0.16
12yr. M	167	5.58	0.31	0.22	1.65	1.13	7.54 ±0.32	13.89 ±0.73	98.8	69.5	13.2	0.22
F	169	6.48	0.28	0.31	1.72	1.39	8.49 ±0.33	15.31 ±0.73	99.4	68.6	13.6	0.20
14yr. M	168	8.39	0.51	0.36	2.15	2.11	11.05 ±0.36	22.10 ±1.02	99.4	79.8	22.6	0.19
F	165	7.66	0.48	0.52	2.98	2.28	11.12 ±0.34	21.94 ±0.84	100.0	83.0	19.4	0.27
16yr. M	168	8.43	0.55	0.71	3.58	2.89	12.56 ±0.34	26.17 ±0.98	100.0	86.9	24.4	0.28
F	170	7.51	0.66	0.90	4.40	3.20	12.57 ±0.34	27.56 ±1.03	99.4	92.9	25.3	0.35

*...Mean

**...Mean ± standard error

Status of permanent teeth by age and socio-economic level

Age-S/E level	Number of subjects	D*	Mc*	Ms*	Fs*	Fc*	DMF(T)**	DMF(S)**	Percentage of subjects with			F/DMF(T)
									DMF(T)	Fs or Fc	Mc	
6yr. High	137	1.07	0.00	0.00	0.10	0.07	1.17 ±0.12	1.55 ±0.19	51.1	6.6	0.0	0.09
Low	199	1.36	0.00	0.00	0.08	0.03	1.43 ±0.11	1.88 ±0.16	57.8	3.0	0.0	0.06
8yr. High	143	2.55	0.03	0.00	0.37	0.35	2.95 ±0.13	4.74 ±0.30	91.6	32.9	0.7	0.13
Low	203	2.72	0.02	0.00	0.31	0.16	3.06 ±0.10	4.73 ±0.22	90.6	20.7	1.5	0.10
10yr. High	146	3.32	0.07	0.05	0.85	0.83	4.23 ±0.19	7.81 ±0.43	94.5	53.4	2.1	0.20
Low	191	3.79	0.23	0.03	0.70	0.49	4.71 ±0.16	8.71 ±0.40	99.0	38.7	12.0	0.15
12yr. High	160	5.63	0.22	0.21	1.79	1.43	7.64 ±0.33	13.91 ±0.75	99.4	79.4	6.9	0.23
Low	176	6.39	0.37	0.31	1.59	1.10	8.35 ±0.33	15.22 ±0.72	98.9	59.7	19.3	0.19
14yr. High	146	8.26	0.28	0.51	2.34	2.38	10.88 ±0.38	21.10 ±0.97	100.0	82.2	11.6	0.22
Low	187	7.85	0.66	0.39	2.73	2.05	11.24 ±0.32	22.74 ±0.91	99.5	80.7	28.3	0.24
16yr. High	161	7.74	0.46	0.91	4.02	3.16	12.22 ±0.36	26.17 ±1.06	99.4	93.2	21.1	0.33
Low	177	8.17	0.73	0.71	3.97	2.94	12.88 ±0.31	27.51 ±0.96	100.0	87.0	28.2	0.31

*...Mean

**...Mean ± standard error

Status of primary teeth by age and sex

Age-sex	Number of subjects	d*	m***	fs*	fc*	df**	Percentage of subjects with		f/df
							df	fs or fc	
6yr. M	169	6.16	3.06	0.88	0.43	7.04 ±0.29	88.2	30.8	0.13
F	167	5.89	4.26	0.61	0.47	6.51 ±0.26	93.4	26.3	0.09
8yr. M	163	4.64	9.33	1.05	0.82	5.69 ±0.23	93.9	42.3	0.18
F	183	5.02	9.87	0.73	0.81	5.75 ±0.20	94.0	42.1	0.13
10yr. M	167	3.52	13.80	0.38	0.55	3.90 ±0.23	85.6	32.9	0.10
F	170	2.84	15.03	0.32	0.55	3.16 ±0.21	75.9	32.4	0.10
12yr. M	167	0.88	18.60	0.05	0.17	0.93 ±0.12	37.7	12.6	0.05
F	169	0.62	19.18	0.05	0.12	0.67 ±0.14	23.7	10.1	0.07

*...Mean

**...Mean ± standard error

***...Mean teeth missing for any reason

Status of primary teeth by age and socio-economic level

Age- S/E level	Number of subjects	d*	m***	fs*	fc*	df**	Percentage of subjects with		f/df
							df	fs or fc	
6yr. High	137	5.13	3.27	1.11	0.55	6.23 ±0.32	87.6	40.1	0.18
Low	199	6.63	3.92	0.50	0.38	7.13 ±0.24	93.0	20.6	0.07
8yr. High	143	4.40	9.24	1.27	1.11	5.66 ±0.24	92.3	58.0	0.22
Low	203	5.17	9.88	0.60	0.59	5.77 ±0.19	95.1	31.0	0.10
10yr. High	146	3.15	13.83	0.51	0.81	3.66 ±0.22	83.6	47.9	0.14
Low	191	3.20	14.87	0.23	0.36	3.43 ±0.22	78.5	20.9	0.07
12yr. High	160	0.74	18.79	0.08	0.23	0.82 ±0.12	31.3	15.6	0.10
Low	176	0.76	18.99	0.03	0.07	0.79 ±0.14	30.1	7.4	0.04

*...Mean

**...Mean ± standard error

***...Mean teeth missing for any reason

Dental habits by age and socio-economic level

Age- S/E level	Number of subjects	Percentage of subjects					
		Restrict sweets*	Restrict cakes*	Take fluoride tablets*	Receive dental care*	Brush frequently*	Use a fluoride paste*
6yr.							
High	304	55.3	25.2	43.6	60.4	39.9	51.0
Low	335	36.1	21.1	16.5	28.8	17.9	40.9
8yr.							
High	324	53.2	19.6	37.5	63.5	40.9	49.5
Low	329	35.0	18.5	10.6	30.9	20.4	36.7
10yr.							
High	262	48.9	17.6	24.4	65.3	43.9	49.8
Low	358	39.0	26.2	7.1	30.5	22.1	38.1
12yr.							
High	278	61.2	22.3	19.5	61.2	46.7	44.6
Low	392	46.0	24.7	7.4	39.4	30.2	33.4
14yr.							
High	267	60.8	26.6	8.6	57.9	44.2	41.1
Low	355	47.3	24.0	2.5	43.4	42.1	40.8
16yr.							
High	276	71.5	31.5	6.9	49.8	52.4	36.9
Low	311	53.8	32.8	2.6	46.1	46.5	33.8

- *..."Restrict sweets": Restrict sweets and chocolate to once a week or less
- ..."Restrict cakes": Restrict cakes, sweet biscuits and cream buns to once a week or less
- ..."Take fluoride tablets": Take fluoride tablets daily or "often"
- ..."Receive dental care": Visit a dentist six-monthly
- ..."Brush frequently": Brush at least twice a day
- ..."Use a fluoride paste": Always use a fluoride toothpaste

Status of permanent teeth in 1,729 subjects classified by age

Age (yrs.)	Number of subjects	D*	M*	F*	DMF(T)*	F/DMF(T)
6	248	1.00	0.00	0.07	1.07	0.06
7	328	1.82	0.00	0.24	2.06	0.12
8	388	2.27	0.01	0.59	2.87	0.21
9	156	2.37	0.06	0.92	3.35	0.28
10	165	2.68	0.08	1.30	4.06	0.32
11	178	3.63	0.25	1.45	5.33	0.27
12	197	5.19	0.35	1.76	7.30	0.24
13	69	7.03	0.45	1.99	9.46	0.21

*...Mean

Status of permanent teeth in subjects aged six and eight years in 1968-69
and 1971-72, according to exposure to courses of school dental care

Age-sex	Time period	Treat. courses received	Number of subjects	D*	M*	F*	DMF(T) *	F/DMF(T)
6yr. M	1968-69	0	93	1.075 ±0.162	0.000 ±0.000	0.118 ±0.068	1.194 ±0.170	0.099
		1-2	44	1.205 ±0.236	0.000 ±0.000	0.068 ±0.050	1.273 ±0.248	
	1971-72	0	44	0.864 ±0.158	0.000 ±0.000	0.159 ±0.079	1.023 ±0.202	0.156
		> 2	0					
6yr. F	1968-69	0	91	1.253 ±0.169	0.000 ±0.000	0.033 ±0.025	1.286 ±0.168	0.026
		1-2	37	1.784 ±0.293	0.000 ±0.000	0.027 ±0.027	1.811 ±0.300	
	1971-72	0	51	1.137 ±0.190	0.000 ±0.000	0.275 ±0.105	1.412 ±0.217	0.194
		> 2	2					
8yr. M	1968-69	0	88	2.818 ±0.192	0.068 ±0.048	0.057 ±0.030	2.943 ±0.191	0.019
		1-2	25	3.480 ±0.289	0.080 ±0.055	0.040 ±0.040	3.600 ±0.283	
	1971-72	0	37	1.378 ±0.199	0.000 ±0.000	1.162 ±0.228	2.541 ±0.214	0.457
		> 2	28	1.357 ±0.258	0.036 ±0.036	1.464 ±0.244	2.857 ±0.344	
8yr. F	1968-69	0	84	3.226 ±0.214	0.012 ±0.012	0.214 ±0.066	3.452 ±0.213	0.062
		1-2	38	2.789 ±0.311	0.053 ±0.053	0.237 ±0.103	3.079 ±0.296	
	1971-72	0	26	1.615 ±0.351	0.077 ±0.053	1.769 ±0.315	3.462 ±0.284	0.511
		> 2	17	1.353 ±0.309	0.000 ±0.000	1.235 ±0.338	2.588 ±0.394	

*...Mean ± standard error

Status of permanent teeth in subjects aged 10 and 12 years in 1968-69 and 1971-72, according to exposure to courses of school dental care

Age-sex	Time period	Treat. courses received	Number of subjects	D*	M*	F*	DMF(T)*	F/DMF(T)
10yr. M	1968-69	0	87	4.333 ±0.270	0.172 ±0.070	0.218 ±0.060	4.724 ±0.273	0.046
		1-2	29	1.793 ±0.533	0.000 ±0.000	2.862 ±0.332	4.655 ±0.549	0.615
	1971-72	0	15	3.467 ±0.616	0.133 ±0.091	0.600 ±0.290	4.200 ±0.571	0.143
		> 2	42	1.262 ±0.299	0.048 ±0.048	2.595 ±0.221	3.905 ±0.312	0.665
10yr. F	1968-69	0	90	4.689 ±0.295	0.144 ±0.068	0.300 ±0.078	5.133 ±0.284	0.058
		1-2	32	1.656 ±0.335	0.031 ±0.031	2.906 ±0.340	4.594 ±0.552	0.633
	1971-72	0	9	3.889 ±0.696	0.111 ±0.111	0.222 ±0.222	4.222 ±0.741	0.053
		> 2	49	1.224 ±0.180	0.061 ±0.045	2.776 ±0.211	4.061 ±0.280	0.683
12yr. M	1968-69	0	90	7.433 ±0.414	0.178 ±0.049	0.556 ±0.140	8.167 ±0.416	0.068
		1-2	37	3.703 ±0.443	0.351 ±0.141	4.568 ±0.427	8.622 ±0.686	0.530
	1971-72	0	8	8.875 ±1.575	0.500 ±0.327	0.625 ±0.625	10.000 ±1.547	0.063
		> 2	39	2.436 ±0.397	0.103 ±0.103	4.026 ±0.445	6.564 ±0.629	0.613
12yr. F	1968-69	0	89	6.371 ±0.445	0.236 ±0.077	0.640 ±0.136	7.247 ±0.448	0.088
		1-2	45	2.933 ±0.501	0.600 ±0.169	4.978 ±0.467	8.511 ±0.653	0.585
	1971-72	0	9	8.444 ±1.849	0.111 ±0.111	0.444 ±0.338	9.000 ±1.915	0.049
		> 2	42	2.286 ±0.353	0.119 ±0.061	4.095 ±0.359	6.500 ±0.523	0.630

*...Mean ± standard error

Percentages of subjects with untreated decay in 1968-69 and 1971-72,
according to exposure to courses of school dental care

Age-sex	Time period	Treat. courses received	Number of subjects	Percent. with D	Percent. with d
6yr. M	1968-69	0	93	38.7	83.9
	1971-72	0	44	43.2	90.9
		1-2	44	45.5	72.7
		> 2	0	-	-
6yr. F	1968-69	0	91	42.9	82.4
	1971-72	0	37	54.1	83.8
		1-2	51	52.9	82.4
		> 2	2	-	-
8yr. M	1968-69	0	88	83.0	88.6
	1971-72	0	25	96.0	96.0
		1-2	37	67.6	78.4
		> 2	28	64.3	60.7
8yr. F	1968-69	0	84	89.3	95.2
	1971-72	0	38	86.8	89.5
		1-2	26	53.8	61.5
		> 2	17	64.7	76.5
10yr. M	1968-69	0	87	92.0	65.5
	1971-72	0	15	100.0	73.3
		1-2	29	55.2	44.8
		> 2	42	50.0	42.9
10yr. F	1968-69	0	90	95.6	65.6
	1971-72	0	9	100.0	88.9
		1-2	32	68.8	43.8
		> 2	49	63.3	59.2
12yr. M	1968-69	0	90	98.9	31.1
	1971-72	0	8	100.0	25.0
		1-2	37	86.5	24.3
		> 2	39	71.8	15.4
12yr. F	1968-69	0	89	93.3	18.0
	1971-72	0	9	100.0	22.2
		1-2	45	84.4	11.1
		> 2	42	78.6	14.3

Status of primary teeth in subjects aged six and eight years in 1968-69 and 1971-72, according to exposure to courses of school dental care

Age-sex	Time period	Treat. courses received	Number of subjects	d*	m**	f*	df*	f/df
6yr. M	1968-69	0	93	5.505 ±0.370	2.914 ±0.320	0.280 ±0.081	5.785 ±0.372	0.048
		1-2	44	6.045 ±0.607	2.545 ±0.432	0.182 ±0.075	6.227 ±0.594	0.029
	1971-72	0	44	2.273 ±0.319	4.000 ±0.498	3.386 ±0.454	5.659 ±0.566	0.598
		> 2	0	-	-	-	-	-
6yr. F	1968-69	0	91	5.242 ±0.403	3.571 ±0.313	0.418 ±0.118	5.659 ±0.396	0.074
		1-2	37	5.784 ±0.636	4.081 ±0.647	0.270 ±0.172	6.054 ±0.615	0.045
	1971-72	0	51	3.059 ±0.427	3.647 ±0.388	2.980 ±0.340	6.039 ±0.515	0.494
		> 2	2	-	-	-	-	-
8yr. M	1968-69	0	88	5.046 ±0.346	8.341 ±0.316	0.352 ±0.117	5.398 ±0.350	0.065
		1-2	25	5.920 ±0.688	8.440 ±0.622	0.240 ±0.166	6.160 ±0.687	0.039
	1971-72	0	37	1.811 ±0.251	8.378 ±0.535	3.027 ±0.448	4.838 ±0.545	0.626
		> 2	28	1.500 ±0.366	8.929 ±0.527	2.643 ±0.566	4.143 ±0.610	0.638
8yr. F	1968-69	0	84	5.190 ±0.311	9.595 ±0.288	0.417 ±0.095	5.607 ±0.294	0.074
		1-2	38	4.921 ±0.448	9.316 ±0.462	0.342 ±0.143	5.263 ±0.463	0.065
	1971-72	0	26	1.769 ±0.427	9.923 ±0.756	3.423 ±0.427	5.192 ±0.592	0.659
		> 2	17	1.882 ±0.428	8.941 ±0.337	2.706 ±0.652	4.588 ±0.782	0.590

*...Mean ± standard error

**...Mean teeth missing for any reason ± standard error

Status of primary teeth in subjects aged 10 and 12 years in 1968-69 and 1971-72, according to exposure to courses of school dental care

Age-sex	Time period	Treat. courses received	Number of subjects	d*	m**	f*	df*	f/df
10yr. M	1968-69	0	87	2.379 ±0.268	14.310 ±0.427	0.264 ±0.097	2.644 ±0.285	0.010
		1-2	15	2.733 ±0.740	13.667 ±1.098	0.067 ±0.067	2.800 ±0.745	0.024
	1971-72	1-2	29	0.690 ±0.165	13.448 ±0.813	2.379 ±0.502	3.069 ±0.546	0.775
		> 2	42	0.738 ±0.184	14.048 ±0.654	2.690 ±0.382	3.429 ±0.448	0.785
10yr. F	1968-69	0	90	2.044 ±0.235	16.511 ±0.373	0.100 ±0.036	2.144 ±0.238	0.047
		1-2	9	3.889 ±0.754	13.444 ±1.042	0.444 ±0.338	4.333 ±0.687	0.103
	1971-72	1-2	32	0.969 ±0.244	14.938 ±0.783	2.375 ±0.413	3.344 ±0.540	0.710
		> 2	49	1.122 ±0.193	14.224 ±0.566	2.429 ±0.306	3.551 ±0.397	0.684
12yr. M	1968-69	0	90	0.800 ±0.161	18.744 ±0.227	0.022 ±0.022	0.822 ±0.162	0.027
		1-2	8	0.375 ±0.263	19.000 ±0.655	0.125 ±0.125	0.500 ±0.327	0.250
	1971-72	1-2	37	0.270 ±0.084	18.243 ±0.492	0.838 ±0.278	1.108 ±0.333	0.756
		> 2	39	0.256 ±0.109	17.641 ±0.598	0.897 ±0.293	1.154 ±0.319	0.778
12yr. F	1968-69	0	89	0.472 ±0.130	18.978 ±0.237	0.157 ±0.071	0.629 ±0.171	0.250
		1-2	9	0.889 ±0.676	18.667 ±0.782	0.000 ±0.000	0.889 ±0.676	0.000
	1971-72	1-2	45	0.156 ±0.078	19.022 ±0.282	0.356 ±0.111	0.511 ±0.144	0.696
		> 2	42	0.167 ±0.067	18.286 ±0.484	0.881 ±0.281	1.048 ±0.307	0.841

*...Mean ± standard error

**...Mean teeth missing for any reason ± standard error

Oral hygiene and gingival health in 1968-69 and 1971-72,
according to exposure to courses of school dental care

Age-sex	Time period	Treat. courses received	Number of subjects	Percent. with "good" or "very good" oral hygiene	(subjects) Number	Percent. with "mild" or no gingivitis
6yr. M	1968-69	0	92	52.2	92	78.3
	1971-72	0	43	44.2	43	55.8
		1-2	44	63.6	43	86.0
		> 2	0	-	0	-
6yr. F	1968-69	0	90	65.6	89	78.7
	1971-72	0	37	48.6	37	67.6
		1-2	51	72.5	51	80.4
		> 2	2	-	0	-
8yr. M	1968-69	0	87	37.9	87	59.8
	1971-72	0	25	20.0	25	52.0
		1-2	37	56.8	37	67.6
		> 2	28	60.7	28	67.9
8yr. F	1968-69	0	82	34.1	82	56.1
	1971-72	0	38	23.7	38	42.1
		1-2	26	46.2	26	69.2
		> 2	17	64.7	17	76.5
10yr. M	1968-69	0	87	46.0	87	55.2
	1971-72	0	14	21.4	14	71.4
		1-2	29	48.3	29	72.4
		> 2	42	47.6	42	59.5
10yr. F	1968-69	0	90	38.9	90	65.6
	1971-72	0	9	44.4	9	33.3
		1-2	31	67.7	32	65.6
		> 2	49	61.2	49	65.3
12yr. M	1968-69	0	89	39.3	89	49.4
	1971-72	0	8	37.5	8	75.0
		1-2	37	48.6	37	59.5
		> 2	39	53.8	39	53.8
12yr. F	1968-69	0	89	56.2	89	61.8
	1971-72	0	9	22.2	9	44.4
		1-2	45	55.6	45	60.0
		> 2	42	71.4	42	83.3

Status of permanent teeth in subjects at schools previously
treated by the School Dental Programme - 1969-70 data

Age-sex	Number of subjects	D*	M*	F*	DMF(T)*	F/DMF(T)
5yr. M	49	0.27	0.00	0.00	0.27	0.00
F	51	0.53	0.00	0.00	0.53	0.00
6yr. M	54	1.06	0.00	0.07	1.13	0.07
F	38	1.47	0.00	0.00	1.47	0.00
7yr. M	52	2.35	0.00	0.19	2.54	0.08
F	52	2.21	0.00	0.37	2.58	0.14
8yr. M	60	2.58	0.00	1.00	3.58	0.28
F	67	2.78	0.00	1.01	3.79	0.27
9yr. M	58	3.10	0.02	1.07	4.19	0.26
F	62	2.44	0.03	1.63	4.10	0.40
10yr. M	88	3.25	0.07	1.75	5.07	0.35
F	51	3.10	0.12	2.43	5.65	0.43
11yr. M	69	3.32	0.07	2.74	6.13	0.45
F	68	4.10	0.31	2.34	6.75	0.35
12yr. M	60	4.37	0.17	3.50	8.03	0.44
F	69	4.55	0.14	3.65	8.35	0.44
13yr. M	19	6.58	0.21	2.74	9.53	0.29
F	10	5.70	0.50	4.20	10.40	0.40

*...Mean

Status of permanent teeth in subjects aged five, six and seven years in 1969-70*
and 1972-73, according to exposure to courses of school dental care

Age-sex	Time period	Treat. courses received	Number of subjects	D**	M**	F**	DMF(T)**	F/DMF(T)
5yr. M	1969-70	0	161	0.28	0.00	0.01	0.29	0.04
	1972-73	0	350	0.08	0.00	0.01	0.09	0.13
		1-3	63	0.08	0.00	0.02	0.10	0.17
		> 3	1	-	-	-	-	-
5yr. F	1969-70	0	132	0.32	0.00	0.01	0.33	0.02
	1972-73	0	324	0.11	0.00	0.00	0.11	0.00
		1-3	67	0.19	0.00	0.00	0.19	0.00
		> 3	1	-	-	-	-	-
6yr. M	1969-70	0	238	1.19	0.00	0.04	1.23	0.03
	1972-73	0	128	0.40	0.00	0.02	0.42	0.06
		1-3	221	0.66	0.00	0.13	0.79	0.17
		> 3	2	-	-	-	-	-
6yr. F	1969-70	0	228	1.90	0.00	0.01	1.91	0.00
	1972-73	0	143	0.52	0.00	0.00	0.52	0.00
		1-3	215	0.83	0.00	0.19	1.02	0.19
		> 3	1	-	-	-	-	-
7yr. M	1969-70	0	404	2.56	0.00	0.17	2.73	0.06
	1972-73	0	166	1.37	0.00	0.06	1.43	0.04
		1-3	256	1.20	0.00	0.78	1.98	0.39
		> 3	20	0.85	0.00	0.50	1.35	0.37
7yr. F	1969-70	0	372	2.73	0.00	0.17	2.90	0.06
	1972-73	0	154	1.74	0.00	0.11	1.85	0.06
		1-3	245	1.27	0.00	0.80	2.07	0.39
		> 3	24	0.92	0.00	0.88	1.79	0.49

*...Subjects at schools without histories of school dental care

**...Mean

Status of permanent teeth in subjects aged eight, nine and 10 years in 1969-70*
and 1972-73, according to exposure to courses of school dental care

Age-sex	Time period	Treat. courses received	Number of subjects	D**	M**	F**	DMF(T)**	F/DMF(T)
8yr. M	1969-70 1972-73	0	307	2.82	0.02	0.21	3.05	0.07
		0	122	2.06	0.02	0.21	2.29	0.09
		1-3	269	1.03	0.02	1.42	2.47	0.58
		> 3	41	0.63	0.00	1.41	2.05	0.69
8yr. F	1969-70 1972-73	0	311	3.39	0.02	0.32	3.73	0.09
		0	124	2.31	0.11	0.19	2.61	0.07
		1-3	276	1.39	0.01	1.75	3.15	0.56
		> 3	29	0.76	0.03	1.90	2.69	0.71
9yr. M	1969-70 1972-73	0	303	3.30	0.09	0.64	4.03	0.16
		0	83	2.77	0.06	0.47	3.30	0.14
		1-3	305	1.13	0.01	2.16	3.30	0.65
		> 3	87	0.83	0.01	2.08	2.92	0.71
9yr. F	1969-70 1972-73	0	371	3.50	0.11	0.62	4.23	0.15
		0	92	2.55	0.12	0.63	3.30	0.19
		1-3	277	1.26	0.04	2.36	3.66	0.64
		> 3	96	1.01	0.03	2.44	3.48	0.70
10yr. M	1969-70 1972-73	0	467	4.14	0.12	0.68	4.94	0.14
		0	42	2.26	0.02	1.05	3.33	0.31
		1-3	325	1.25	0.07	2.82	4.14	0.68
		> 3	98	0.80	0.02	2.90	3.71	0.78
10yr. F	1969-70 1972-73	0	470	4.65	0.27	0.99	5.91	0.17
		0	47	2.91	0.26	1.23	4.40	0.28
		1-3	319	1.39	0.10	3.10	4.59	0.68
		> 3	107	1.06	0.02	3.20	4.27	0.75

*...Subjects at schools without histories of school dental care

**...Mean

Status of permanent teeth in subjects aged 11, 12 and 13 years in 1969-70*
and 1972-73, according to exposure to courses of school dental care

Age-sex	Time period	Treat. courses received	Number of subjects	D**	M**	F**	DMF**	F/DMF(T)
11yr. M	1969-70	0	581	5.79	0.33	0.94	7.06	0.13
	1972-73	0	36	3.28	0.11	1.28	4.67	0.27
		1-3	349	1.63	0.25	3.15	5.03	0.63
		> 3	102	1.32	0.04	3.83	5.20	0.74
11yr. F	1969-70	0	551	6.28	0.44	1.08	7.80	0.14
	1972-73	0	30	2.90	0.30	2.07	5.27	0.39
		1-3	292	1.72	0.24	3.95	5.91	0.67
		> 3	112	1.34	0.21	3.85	5.40	0.71
12yr. M	1969-70	0	371	6.87	0.38	0.97	8.22	0.12
	1972-73	0	34	3.24	0.38	1.53	5.15	0.30
		1-3	210	2.15	0.32	3.89	6.36	0.61
		> 3	78	1.53	0.23	4.59	6.35	0.72
12yr. F	1969-70	0	312	7.29	0.50	1.25	9.04	0.14
	1972-73	0	20	3.60	0.15	1.85	5.60	0.33
		1-3	214	2.18	0.43	4.37	6.98	0.63
		> 3	68	2.21	0.16	4.37	6.74	0.65
13yr. M	1969-70	0	78	8.62	0.49	1.03	10.13	0.10
	1972-73	0	5	-	-	-	-	-
		1-3	51	3.35	0.37	4.82	8.55	0.56
		> 3	26	2.77	0.08	5.50	8.35	0.66
13yr. F	1969-70	0	63	8.90	0.75	1.02	10.67	0.10
	1972-73	0	1	-	-	-	-	-
		1-3	21	3.81	0.29	5.62	9.71	0.58
		> 3	11	2.09	0.45	4.91	7.45	0.66

*...Subjects at schools without histories of school dental care

**...Mean

Percentages of subjects aged five, six and seven years with untreated decay in the permanent and primary teeth in 1969-70* and 1972-73, according to exposure to courses of school dental care

Age-sex	Time period	Treat. courses received	Number of subjects	Percent. with D	Percent. with d
5yr. M	1969-70	0(?)	161(49)	14.3(14.3)	84.5(79.6)
	1972-73	0	350	4.0	70.9
		1-3	63	3.2	63.5
		> 3	1	-	-
5yr. F	1969-70	0(?)	132(51)	34.1(19.6)	79.5(86.3)
	1972-73	0	324	5.6	68.8
		1-3	67	9.0	70.1
		> 3	1	-	-
6yr. M	1969-70	0(?)	238(54)	47.5(42.6)	88.2(83.3)
	1972-73	0	128	19.5	75.0
		1-3	221	29.0	62.4
		> 3	2	-	-
6yr. F	1969-70	0(?)	228(38)	64.5(50.0)	90.8(84.2)
	1972-73	0	143	25.9	76.2
		1-3	215	38.6	58.6
		> 3	1	-	-
7yr. M	1969-70	0(?)	404(52)	82.2(75.0)	88.4(76.9)
	1972-73	0	166	51.8	82.5
		1-3	256	52.7	62.5
		> 3	20	50.0	55.0
7yr. F	1969-70	0(?)	372(52)	82.5(82.7)	85.5(80.8)
	1972-73	0	154	63.6	81.8
		1-3	245	57.1	58.0
		> 3	24	41.7	58.3

*...Data for subjects from schools with histories of school dental care in brackets

Percentages of subjects aged eight, nine and 10 years with untreated decay in the permanent and primary teeth in 1969-70* and 1972-73, according to exposure to courses of school dental care

Age-sex	Time period	Treat. courses received	Number of subjects	Percent. with D	Percent. with d
8yr. M	1969-70	0(?)	307(60)	88.6(90.0)	87.0(76.7)
	1972-73	0	122	68.9	82.8
		1-3	269	50.9	58.4
		> 3	41	36.6	51.2
8yr. F	1969-70	0(?)	311(67)	90.0(89.6)	89.1(79.1)
	1972-73	0	124	70.2	71.8
		1-3	276	64.9	53.6
		> 3	29	37.9	48.3
9yr. M	1969-70	0(?)	303(58)	86.8(89.7)	81.8(65.5)
	1972-73	0	83	78.3	84.3
		1-3	305	55.7	53.4
		> 3	87	42.5	59.8
9yr. F	1969-70	0(?)	371(62)	88.9(85.5)	76.8(71.0)
	1972-73	0	92	80.4	78.3
		1-3	277	56.3	52.7
		> 3	96	55.2	47.9
10yr. M	1969-70	0(?)	467(88)	89.5(89.8)	71.1(71.6)
	1972-73	0	42	73.8	59.5
		1-3	325	57.2	42.5
		> 3	98	46.9	35.7
10yr. F	1969-70	0(?)	470(51)	91.9(80.4)	62.6(47.1)
	1972-73	0	47	89.4	59.6
		1-3	319	61.8	34.5
		> 3	107	57.0	31.8

*...Data for subjects from schools with histories of school dental care in brackets

Percentages of subjects aged 11, 12 and 13 years with untreated decay in the permanent and primary teeth in 1969-70* and 1972-73, according to exposure to courses of school dental care

Age-sex	Time period	Treat. courses received	Number of subjects	Percent. with D	Percent. with d
11yr. M	1969-70	0(?)	581(69)	92.6(88.4)	46.1(42.0)
	1972-73	0	36	77.8	47.2
		1-3	349	59.3	28.1
		> 3	102	51.0	28.4
11yr. F	1969-70	0(?)	551(68)	93.3(92.6)	39.0(25.0)
	1972-73	0	30	76.7	36.7
		1-3	292	62.7	24.7
		> 3	112	56.3	21.4
12yr. M	1969-70	0(?)	371(60)	94.3(90.0)	31.5(18.3)
	1972-73	0	34	79.4	38.2
		1-3	210	70.5	15.2
		> 3	78	55.1	14.1
12yr. F	1969-70	0(?)	312(69)	94.9(89.9)	23.1(13.0)
	1972-73	0	20	85.0	25.0
		1-3	214	75.2	14.5
		> 3	68	72.1	13.2
13yr. M	1969-70	0(?)	78(19)	96.2(52.6)	12.8(00.0)
	1972-73	0	5	-	-
		1-3	51	80.4	11.8
		> 3	26	92.3	23.1
13yr. F	1969-70	0(?)	63(10)	100.0(100.0)	15.9(10.0)
	1972-73	0	1	-	-
		1-3	21	81.0	14.3
		> 3	11	63.6	9.1

*...Data for subjects from schools with histories of school dental care in brackets

Status of primary teeth in subjects at schools previously
treated by the School Dental Programme - 1969-70 data

Age-sex	Number of subjects	d*	f*	df*	f/df
5yr. M	49	3.00	0.12	3.12	0.04
F	51	6.29	0.06	6.35	0.01
6yr. M	54	4.89	1.19	6.07	0.20
F	38	5.34	0.87	6.21	0.14
7yr. M	52	3.40	2.46	5.87	0.42
F	52	3.56	1.83	5.38	0.34
8yr. M	60	2.37	3.88	6.25	0.62
F	67	2.69	3.70	6.39	0.58
9yr. M	58	2.34	3.12	5.47	0.57
F	62	1.98	3.11	5.10	0.61
10yr. M	88	1.95	2.30	4.25	0.54
F	51	1.06	2.02	3.08	0.66
11yr. M	69	0.86	1.22	2.07	0.59
F	68	0.63	0.68	1.31	0.52
12yr. M	60	0.48	0.85	1.33	0.64
F	69	0.28	0.26	0.54	0.49
13yr. M	19	0.00	0.16	0.16	1.00
F	10	0.10	0.00	0.10	0.00

*...Mean

Status of primary teeth in subjects aged five, six and seven years in 1969-70* and 1972-73, according to exposure to courses of school dental care

Age-sex	Time period	Treat. courses received	Number of subjects	d**	f**	df**	f/df
5yr. M	1969-70	0	161	5.04	0.22	5.26	0.04
	1972-73	0	350	3.76	0.29	4.05	0.07
		1-3	63	2.60	2.05	4.65	0.44
		> 3	1	-	-	-	-
5yr. F	1969-70	0	132	4.44	0.35	4.79	0.07
	1972-73	0	324	3.27	0.28	3.55	0.08
		1-3	67	3.07	2.90	5.97	0.49
		> 3	1	-	-	-	-
6yr. M	1969-70	0	238	5.12	0.48	5.60	0.09
	1972-73	0	128	3.77	0.53	4.30	0.12
		1-3	221	2.08	2.92	5.00	0.58
		> 3	2	-	-	-	-
6yr. F	1969-70	0	228	5.46	0.43	5.89	0.07
	1972-73	0	143	4.03	0.39	4.42	0.09
		1-3	215	1.92	2.60	4.52	0.58
		> 3	1	-	-	-	-
7yr. M	1969-70	0	404	4.62	0.65	5.27	0.12
	1972-73	0	166	3.37	0.59	3.96	0.15
		1-3	256	1.61	3.85	5.46	0.71
		> 3	20	1.10	3.40	4.50	0.76
7yr. F	1969-70	0	372	4.45	0.78	5.23	0.15
	1972-73	0	154	3.84	0.51	4.35	0.12
		1-3	245	1.53	3.62	5.15	0.70
		> 3	24	0.92	3.46	4.38	0.79

*...Subjects at schools without histories of school dental care

**...Mean

Status of primary teeth in subjects aged eight, nine and 10 years in 1969-70* and 1972-73, according to exposure to courses of school dental care

Age-sex	Time period	Treat. courses received	Number of subjects	d**	f**	df**	f/df
8yr. M	1969-70	0	307	4.25	0.55	4.80	0.11
	1972-73	0	122	3.48	0.77	4.25	0.18
		1-3	269	1.36	3.68	5.04	0.73
		> 3	41	1.02	3.59	4.61	0.78
8yr. F	1969-70	0	311	4.17	0.61	4.78	0.13
	1972-73	0	124	3.31	0.60	3.90	0.15
		1-3	276	1.29	3.69	4.98	0.74
		> 3	29	0.86	5.00	5.86	0.85
9yr. M	1969-70	0	303	3.05	0.70	3.75	0.19
	1972-73	0	83	3.40	0.64	4.04	0.16
		1-3	305	1.13	3.43	4.56	0.75
		> 3	87	1.23	3.63	4.86	0.75
9yr. F	1969-70	0	371	3.02	0.57	3.59	0.16
	1972-73	0	92	2.65	0.72	3.37	0.21
		1-3	277	1.12	2.84	3.96	0.72
		> 3	96	0.78	3.49	4.27	0.82
10yr. M	1969-70	0	467	2.40	0.43	2.83	0.15
	1972-73	0	42	1.90	0.12	2.02	0.06
		1-3	325	0.75	2.35	3.10	0.76
		> 3	98	0.76	3.08	3.84	0.80
10yr. F	1969-70	0	470	1.87	0.36	2.23	0.16
	1972-73	0	47	1.45	0.55	2.00	0.28
		1-3	319	0.68	1.77	2.45	0.72
		> 3	107	0.59	2.13	2.72	0.78

*...Subjects at schools without histories of school dental care

**...Mean

Status of primary teeth in subjects aged 11, 12 and 13 years in 1969-70* and 1972-73, according to exposure to courses of school dental care

Age-sex	Time period	Treat. courses received	Number of subjects	d**	f**	df**	f/df
11yr. M	1969-70	0	581	1.26	0.19	1.45	0.13
		0	36	1.22	0.58	1.81	0.32
	1972-73	1-3	349	0.49	1.22	1.71	0.71
		> 3	102	0.36	1.73	2.09	0.83
11yr. F	1969-70	0	551	1.02	0.15	1.17	0.13
		0	30	1.23	0.50	1.73	0.29
	1972-73	1-3	292	0.39	0.85	1.24	0.69
		> 3	112	0.30	1.27	1.57	0.81
12yr. M	1969-70	0	371	0.70	0.08	0.78	0.10
		0	34	0.91	0.21	1.12	0.18
	1972-73	1-3	210	0.25	0.50	0.75	0.66
		> 3	78	0.17	0.74	0.91	0.82
12yr. F	1969-70	0	312	0.41	0.07	0.48	0.15
		0	20	0.55	0.35	0.90	0.39
	1972-73	1-3	214	0.20	0.39	0.59	0.66
		> 3	68	0.21	0.46	0.66	0.69
13yr. M	1969-70	0	78	0.28	0.04	0.32	0.12
		0	5	-	-	-	-
	1972-73	1-3	51	0.20	0.16	0.35	0.44
		> 3	26	0.69	0.08	0.77	0.10
13yr. F	1969-70	0	63	0.32	0.00	0.32	0.00
		0	1	-	-	-	-
	1972-73	1-3	21	0.29	0.19	0.48	0.40
		> 3	11	0.00	0.18	0.18	1.00

*...Subjects at schools without histories of school dental care

**...Mean

Oral hygiene in 1969-70 and 1972-73, according to exposure to courses of school dental care

Time period	Treat. courses received	Age-sex	Percent. with "good" or "very good" oral hygiene	Age-sex	Percent. with "good" or "very good" oral hygiene	Age-sex	Percent. with "good" or "very good" oral hygiene
1969-70	?	5yr. M	74.1	8yr. M	49.7	11 yr. M	46.9
1972-73	0		56.9		36.7		41.2
	1-3		72.6		51.5		52.5
	> 3		-		67.5		53.5
1969-70	?	5yr. F	72.2	8yr. F	58.1	11 yr. F	60.6
1972-73	0		62.3		41.7		50.0
	1-3		75.4		54.9		72.6
	> 3		-		69.0		66.4
1969-70	?	6yr. M	59.9	9yr. M	48.0	12 yr. M	46.2
1972-73	0		60.5		36.3		38.7
	1-3		59.7		47.8		52.2
	> 3		-		58.1		52.0
1969-70	?	6yr. F	53.0	9yr. F	55.9	12 yr. F	59.4
1972-73	0		57.4		44.3		57.9
	1-3		70.6		61.5		74.5
	> 3		-		64.5		66.2
1969-70	?	7yr. M	51.0	10yr. M	46.5	13 yr. M	35.8
1972-73	0		46.0		39.0		-
	1-3		52.6		47.9		48.9
	> 3		60.0		49.5		38.5
1969-70	?	7yr. F	57.6	10yr. F	55.7	13 yr. F	43.8
1972-73	0		48.0		46.8		-
	1-3		61.8		62.3		63.2
	> 3		62.5		64.4		63.6

Number of subjects by school grade and school

Grade	School				Total
	Government 1	Government 2	Private - boys	Private - girls	
4	111	26	23	24	184
5	92	49	76	19	236
6	120	90	70	28	308
7	82	78	85	27	272
Total	405	243	254	98	1,000

Status of permanent teeth in subjects classified by exposure to school dental care - industrial areas

Age-sex	History of school dental care	Number of subjects	D [†]	M [†]	F(s) [†]	F(s) [†] and F(c)	DMF(T) [†]	DMF(S) [†]	DMF(S) [†] (ant. prox.)	F/DMF(T)
13yr. M	Yes	49	3.59*** ±0.34	0.59 ±0.17	5.63*** ±0.39	6.82*** ±0.50	9.82 ±0.52	19.92 ±1.40	1.45 ± 0.28	0.57
	No	53	6.79 ±0.50	0.70 ±0.15	1.23 ±0.26	2.00 ±0.39	8.72 ±0.57	16.60 ±1.45	1.51 ± 0.33	
13yr. F	Yes	73	3.88** ±0.32	0.73 ±0.15	6.07*** ±0.35	7.41*** ±0.45	10.67 ±0.52	21.15 ±1.45	1.90 ± 0.34	0.57
	No	49	5.92 ±0.51	0.90 ±0.20	2.92 ±0.42	3.76 ±0.50	9.73 ±0.60	18.98 ±1.79	1.51 ± 0.48	
14yr. M	Yes	92	3.41*** ±0.25	0.77 ±0.14	6.39*** ±0.34	7.45*** ±0.35	10.58*** ±0.38	21.32*** ±1.06	1.46 ± 0.24	0.60
	No	103	6.11 ±0.33	0.57 ±0.09	1.87 ±0.26	2.47 ±0.32	8.55 ±0.36	15.46 ±0.94	1.06 ± 0.17	
14yr. F	Yes	92	3.71*** ±0.33	1.11* ±0.18	6.97*** ±0.38	8.32*** ±0.41	11.78*** ±0.46	25.04*** ±1.40	1.55 ± 0.27	0.59
	No	101	6.65 ±0.39	0.65 ±0.11	2.37 ±0.29	3.13 ±0.34	9.67 ±0.42	18.31 ±1.16	1.51 ± 0.28	
15yr. M	Yes	20	3.30*** ±0.77	1.20 ±0.52	7.05*** ±0.71	8.35*** ±0.89	11.55 ±1.46	26.65 ±5.54	2.90 ± 0.97	0.61
	No	52	7.56 ±0.55	1.56 ±0.39	1.56 ±0.34	2.10 ±0.43	10.67 ±0.68	23.17 ±2.45	2.48 ± 0.52	
15yr. F	Yes	16	2.56** ±0.45	1.19 ±0.34	7.81*** ±0.74	8.63*** ±0.89	11.56 ±0.73	23.75 ±2.35	0.94 ± 0.47	0.68
	No	28	5.96 ±0.72	1.39 ±0.30	2.68 ±0.66	3.89 ±0.77	10.04 ±0.79	21.32 ±2.29	1.11 ± 0.31	

† ...Mean ± standard error

*...p < 0.05: **...p < 0.01: ***...p < 0.001

F(s)...Tth. filled and sound

F(c)...Tth. filled and carious

Status of permanent teeth in subjects classified by exposure to school dental care - agricultural areas

Age-sex	History of school dental care	Number of subjects	D [†]	M [†]	F(s) [†]	F(s) [†] and F(c)	DMF(T) [†]	DMF(S) [†]	DMF(S) [†] (ant. prox.)	F/DMF(T)
13yr. M	Yes	47	3.15** ±0.37	0.68 ±0.19	4.87* ±0.52	5.81 ±0.58	8.70 ±0.69	17.13 ±1.64	1.21 ±0.32	0.56
	No	34	5.88 ±0.77	0.62 ±0.22	3.29 ±0.47	4.47 ±0.61	9.79 ±0.90	19.15 ±2.27	1.71 ±0.55	0.34
13yr. F	Yes	60	3.70 ±0.44	0.90 ±0.19	6.97*** ±0.48	8.42*** ±0.63	11.57 ±0.71	24.73 ±2.09	2.30 ±0.53	0.60
	No	62	4.81 ±0.49	1.13 ±0.23	3.95 ±0.43	4.87 ±0.47	9.89 ±0.51	21.40 ±1.64	2.06 ±0.39	0.40
14yr. M	Yes	96	3.40*** ±0.24	0.81 ±0.15	6.05*** ±0.39	7.16*** ±0.42	10.26 ±0.47	21.40 ±1.31	2.13 ±0.29	0.59
	No	70	6.16 ±0.47	0.59 ±0.14	3.19 ±0.39	4.34 ±0.50	9.93 ±0.59	19.97 ±1.71	2.13 ±0.41	0.32
14yr. F	Yes	77	3.47*** ±0.31	0.99 ±0.18	7.16*** ±0.46	8.61*** ±0.52	11.61 ±0.54	24.91 ±1.46	1.94 ±0.36	0.62
	No	67	6.57 ±0.50	1.33 ±0.22	3.36 ±0.43	4.60 ±0.56	11.25 ±0.59	24.19 ±1.74	2.84 ±0.43	0.30
15yr. M	Yes	17	3.82** ±0.71	1.47 ±0.38	7.00*** ±0.80	8.35*** ±0.94	12.29 ±1.04	27.24 ±3.25	1.94 ±0.69	0.57
	No	17	8.59 ±1.15	1.29 ±0.40	1.94 ±0.86	2.35 ±0.92	11.82 ±1.12	24.94 ±3.45	3.18 ±1.00	0.16
15yr. F	Yes	11	6.18 ±1.44	1.64 ±0.58	7.18* ±1.29	9.55** ±1.33	15.00 ±1.77	31.55 ±5.46	3.82 ±1.17	0.48
	No	9	6.22 ±1.56	1.89 ±0.39	2.44 ±1.06	3.11 ±1.58	10.56 ±2.04	26.11 ±6.13	3.00 ±1.99	0.23

† ...Mean ± standard error

*...p < 0.05: **...p < 0.01: ***...p < 0.001

F(s)...Tth. filled and sound

F(c)...Tth. filled and carious

Oral debris and gingival disease scores for subjects
classified by exposure to school dental care

Age-sex	History of school dental care	Industrial areas		Agricultural areas	
		Mean gingival disease score	Mean debris score	Mean gingival disease score	Mean debris score
13yr. M	Yes	0.43 ±0.07	0.55* ±0.07	0.50* ±0.07	0.57 ±0.08
	No	0.60 ±0.07	0.79 ±0.09	0.81 ±0.11	0.71 ±0.11
13yr. F	Yes	0.34 ±0.05	0.33 ±0.05	0.44 ±0.06	0.32 ±0.06
	No	0.35 ±0.07	0.30 ±0.06	0.37 ±0.06	0.23 ±0.04
14yr. M	Yes	0.51 ±0.06	0.65 ±0.07	0.66 ±0.06	0.70 ±0.06
	No	0.50 ±0.05	0.73 ±0.07	0.65 ±0.07	0.83 ±0.08
14yr. F	Yes	0.33 ±0.04	0.29 ±0.04	0.39 ±0.06	0.26** ±0.04
	No	0.42 ±0.05	0.41 ±0.05	0.52 ±0.07	0.50 ±0.07
15yr. M	Yes	0.73 ±0.13	0.95 ±0.15	0.64 ±0.16	0.59 ±0.14
	No	0.65 ±0.08	0.87 ±0.09	0.84 ±0.14	0.86 ±0.16
15yr. F	Yes	0.25 ±0.07	0.62 ±0.18	0.52 ±0.16	0.39 ±0.15
	No	0.30 ±0.08	0.34 ±0.08	0.72 ±0.19	0.45 ±0.22

*...p < 0.05: **...p < 0.01

†...Mean ± standard error

Dental habits classified by exposure to school dental care

Percentage who	Industrial areas			Agricultural areas		
	Subjects treated	Subjects not treated	P value	Subjects treated	Subjects not treated	P value
Visited a dentist since leaving primary school	24.6	54.4	<0.001	48.1	65.3	<0.001
Did not consume sweets or chocolate on the day before the survey	26.0	26.9	N.S.	45.5	40.1	N.S.
Brushed on the morning of the survey	79.5	72.0	N.S.	79.9	76.3	N.S.
Took a brush to school daily	0.6	1.1	N.S.	1.3	1.6	N.S.
Had their own brush	95.3	95.8	N.S.	97.0	97.1	N.S.
Normally used a soft brush	25.1	18.4	N.S.	31.5	19.1	<0.001
Normally used a fluoride toothpaste	28.9	26.7	N.S.	50.0	40.1	<0.05

N.S. = not significant

Knowledge and attitudes towards recommended dental habits,
classified by exposure to school dental care

Percentage who considered that	Industrial areas			Agricultural areas		
	Subjects treated	Subjects not treated	p value	Subjects treated	Subjects not treated	p value
They should visit a dentist every six months	90.7	88.3	N.S.	94.1	90.2	N.S.
They should see a dentist following transitory toothache	72.0	62.0	<0.01	76.7	62.9	<0.01
Dental visits were not unpleasant	79.8	72.6	<0.05	75.4	72.2	N.S.
Sweets, chocolate, cakes and biscuits were worse for the teeth than other specified items	97.5	99.2	N.S.	97.0	99.2	N.S.
Teeth should be cleaned after eating	80.7	72.1	<0.05	82.0	72.7	<0.01
Soft toothbrushes were best	42.9	22.3	<0.001	33.1	17.6	<0.001
They should use a fluoride toothpaste	74.8	66.2	<0.05	80.3	73.1	<0.05
Primary teeth needed care like permanent teeth	83.2	74.3	<0.05	83.3	79.2	N.S.

N.S. = not significant

Knowledge and attitudes on various dental topics,
classified by exposure to school dental care

Percentage who considered that	Industrial areas			Agricultural areas		
	Subjects treated	Subjects not treated	p value	Subjects treated	Subjects not treated	p value
Their chances of getting decay were very high	6.5	9.5	N.S.	8.9	6.9	N.S.
They may have decay and not know	63.0	52.2	<0.01	60.3	56.7	N.S.
Their chances of getting periodontal disease were very high	2.5	4.2	N.S.	1.6	3.3	N.S.
Artificial teeth were not as attractive and functional as natural teeth	46.9	32.7	<0.001	55.4	46.9	N.S.
Malocclusion often resulted from the neglect of primary teeth	58.7	58.7	N.S.	67.9	58.4	<0.05
They would never need artificial teeth if they cared for their teeth	67.1	62.8	N.S.	65.9	60.0	N.S.
Teeth usually were lost in children from decay	76.4	67.0	N.S.	71.8	67.3	N.S.
Dental disease can cause bad appearance	77.3	78.5	N.S.	83.3	82.9	N.S.
Dental disease can cause pain	81.1	77.1	N.S.	81.6	74.7	<0.05
Dental disease can cause bad breath	82.3	76.5	N.S.	83.9	79.2	N.S.

N.S. = not significant

Status of permanent teeth in subjects classified by
exposure to school dental care - country areas

Age-sex	History of school dental care	Number of subjects	D [†]	M [†]	F(s) [†]	DMF(T) [†]	DMF(S) ^{††} (upper ant. prox.)	F/DMF(T)
13yr. M	Yes	284	3.26*** ±0.10	0.33 ±0.03	4.91*** ±0.11	8.50 ±0.13	1.05 ±0.11	0.58
	No	103	5.15 ±0.21	0.52 ±0.06	1.88 ±0.12	7.55 ±0.21	0.98 ±0.20	0.25
13yr. F	Yes	370	3.18** ±0.08	0.46* ±0.03	5.52*** ±0.08	9.16* ±0.11	1.01 ±0.10	0.60
	No	107	4.32 ±0.19	0.82 ±0.08	2.84 ±0.16	7.98 ±0.21	1.50 ±0.23	0.36
14yr. M	Yes	241	3.68*** ±0.11	0.60 ±0.04	5.40*** ±0.10	9.68 ±0.15	1.36 ±0.14	0.56
	No	92	5.54 ±0.23	0.74 ±0.08	2.65 ±0.16	8.93 ±0.25	1.34 ±0.26	0.30
14yr. F	Yes	201	3.31** ±0.12	0.73 ±0.05	6.48*** ±0.13	10.52 ±0.17	1.40 ±0.17	0.62
	No	87	5.10 ±0.26	0.87 ±0.08	3.84 ±0.19	9.82 ±0.28	1.64 ±0.25	0.39
15yr. M	Yes	44	3.14 ±0.33	0.77 ±0.10	5.64** ±0.30	9.55 ±0.41	0.84 ±0.35	0.59
	No	14	3.86 ±0.35	0.57 ±0.16	2.29 ±0.35	6.71 ±0.54	0.79 ±0.37	0.34
15yr. F	Yes	21	2.95 ±0.28	0.67 ±0.14	6.57 ±0.49	10.19 ±0.58	1.48 ±0.48	0.64
	No	11	5.09 ±0.80	0.18 ±0.09	3.82 ±0.73	9.09 ±0.72	2.64 ±0.83	0.42

† ...Estimated mean (whole mouth) ± standard error (half mouth)

F(s)...Tth. filled and sound

†† ...Mean ± standard error

*...p < 0.05: **...p < 0.01: ***...p < 0.001

Status of permanent teeth in subjects classified by
exposure to school dental care - State capital

Age-sex	History of school dental care	Number of subjects	D [†]	M [†]	F(s) [†]	DMF(T) [†]	DMF(S) ^{††} (upper ant. prox.)	F/DMF(T)
13yr. M	Yes	29	1.79* ±0.17	0.21 ±0.06	4.55 ±0.29	6.55 ±0.34	0.52 ±0.28	0.69
	No	54	3.04 ±0.21	0.56 ±0.08	3.19 ±0.22	6.78 ±0.33	0.69 ±0.20	0.47
13yr. F	Yes	34	2.35 ±0.21	0.18 ±0.05	5.00* ±0.28	7.53 ±0.34	0.74 ±0.24	0.66
	No	45	2.93 ±0.21	0.44 ±0.08	3.56 ±0.22	6.93 ±0.30	0.73 ±0.22	0.51
14yr. M	Yes	71	2.06* ±0.13	0.20 ±0.05	5.77*** ±0.20	8.03 ±0.23	0.59 ±0.15	0.72
	No	97	3.03 ±0.16	0.41 ±0.05	3.44 ±0.17	6.89 ±0.21	0.81 ±0.19	0.50
14yr. F	Yes	94	2.17* ±0.13	0.47 ±0.06	6.60*** ±0.18	9.23* ±0.23	0.94 ±0.19	0.71
	No	95	3.01 ±0.15	0.48 ±0.05	4.21 ±0.19	7.71 ±0.20	0.83 ±0.18	0.55
15yr. M	Yes	21	2.19** ±0.27	0.67 ±0.13	6.76*** ±0.36	9.62 ±0.41	0.86 ±0.29	0.70
	No	16	4.88 ±0.43	0.38 ±0.10	2.63 ±0.44	7.88 ±0.57	1.25 ±0.60	0.33
15yr. F	Yes	9	2.67 ±0.29	0.44 ±0.22	7.33 ±0.47	10.44 ±0.40	0.89 ±0.48	0.70
	No	13	4.15 ±0.45	0.15 ±0.08	4.77 ±0.67	9.08 ±0.80	0.92 ±0.35	0.53

†...Estimated mean (whole mouth) ± standard error (half mouth)

F(s)...Tth. filled and sound

††...Mean ± standard error

*...p < 0.05: **...p < 0.01: ***...p < 0.001

Oral debris and gingival disease scores for subjects
classified by exposure to school dental care

Age-sex	History of school dental care	Country areas		State capital	
		Mean gingival disease score	Mean debris score	Mean gingival disease score	Mean debris score
13yr. M	Yes	0.88* ±0.04	0.75* ±0.04	0.70 ±0.10	0.59 ±0.14
	No	1.06 ±0.07	0.98 ±0.08	0.88 ±0.09	0.75 ±0.09
13yr. F	Yes	0.57 ±0.03	0.34 ±0.02	0.44 ±0.09	0.22 ±0.06
	No	0.51 ±0.05	0.27 ±0.04	0.36 ±0.07	0.26 ±0.06
14yr. M	Yes	0.94 ±0.04	0.78 ±0.04	0.66* ±0.07	0.42* ±0.06
	No	0.97 ±0.07	0.74 ±0.07	0.87 ±0.07	0.63 ±0.07
14yr. F	Yes	0.59 ±0.04	0.37 ±0.04	0.38 ±0.05	0.16* ±0.03
	No	0.62 ±0.06	0.38 ±0.05	0.49 ±0.05	0.26 ±0.04
15yr. M	Yes	0.88 ±0.10	0.95 ±0.12	0.66 ±0.16	0.58 ±0.14
	No	0.99 ±0.18	0.80 ±0.16	0.82 ±0.17	0.64 ±0.13
15yr. F	Yes	1.02 ±0.14	0.44 ±0.14	0.52 ±0.18	0.12 ±0.06
	No	0.73 ±0.24	0.34 ±0.12	0.60 ±0.13	0.37 ±0.12

† ...Mean ± standard error

*...p < 0.05

Dental habits classified by exposure to school dental care

Percentage who	Country areas			State capital		
	Subjects treated	Subjects not treated	p value	Subjects treated	Subjects not treated	p value
Visited a dentist since leaving primary school	40.6	65.9	<0.001	42.2	69.1	<0.001
Did not consume sweets or chocolate on the day before the survey	41.5	44.7	N.S.	36.4	31.7	N.S.
Brushed on the morning of the survey	74.0	75.6	N.S.	82.6	75.9	N.S.
Took a brush to school daily	1.6	0.5	N.S.	1.2	1.6	N.S.
Had their own brush	95.5	94.4	N.S.	98.8	98.4	N.S.
Normally used a soft brush	32.8	25.1	<0.01	35.3	20.6	<0.001
Normally used a fluoride tooth-paste	53.1	47.3	N.S.	45.7	44.1	N.S.

N.S. = not significant

Knowledge and attitudes towards recommended dental habits,
classified by exposure to school dental care

Percentage who considered that	Country areas			State capital		
	Subjects treated	Subjects not treated	p value	Subjects treated	Subjects not treated	p value
They should visit a dentist every six months	90.7	91.0	N.S.	91.0	90.0	N.S.
They should see a dentist following transitory toothache	66.9	60.6	<0.05	66.0	58.5	N.S.
Dental visits were not unpleasant	69.0	68.9	N.S.	71.1	66.9	N.S.
Sweets, chocolate, cakes and biscuits were worse for the teeth than other specified items	96.1	98.5	<0.05	98.0	99.0	N.S.
Teeth should be cleaned after eating	82.4	76.2	<0.01	87.5	74.0	<0.001
Soft toothbrushes were best	36.1	29.2	N.S.	34.4	28.3	N.S.
They should use a fluoride toothpaste	84.5	83.7	N.S.	85.2	79.7	N.S.
Primary teeth needed care like permanent teeth	80.8	77.6	N.S.	87.1	80.7	N.S.

N.S. = not significant

Knowledge and attitudes on various dental topics,
classified by exposure to school dental care

Percentage who considered that	Country areas			State capital		
	Subjects treated	Subjects not treated	p value	Subjects treated	Subjects not treated	p value
Their chances of getting decay were very high	6.6	6.1	N.S.	3.1	8.0	N.S.
They may have decay and not know	55.7	49.4	<0.05	62.5	58.8	N.S.
Their chances of getting periodontal disease were very high	2.9	1.2	N.S.	1.2	3.2	N.S.
Artificial teeth were not as attractive and functional as natural teeth	45.6	37.7	<0.01	48.0	34.1	<0.001
Malocclusion often resulted from the neglect of primary teeth	56.4	53.3	N.S.	68.8	51.8	<0.001
They would never need artificial teeth if they cared for their teeth	64.8	63.0	N.S.	69.5	61.4	N.S.
Teeth usually were lost in children from decay	65.4	68.4	N.S.	63.3	61.1	N.S.
Dental disease can cause bad appearance	76.1	78.6	N.S.	81.3	76.5	N.S.
Dental disease can cause pain	77.9	75.9	N.S.	84.8	84.9	N.S.
Dental disease can cause bad breath	76.9	74.0	N.S.	80.1	78.8	N.S.

N.S. = not significant

Age distribution of sample and population in the South East*

	Age (yrs.)						
	0-15	16-24	25-34	35-44	45-54	55-64	> 65
Population	17,152(35.2)	7,435(15.2)	6,358(13.0)	5,615(11.5)	5,372(11.0)	3,827(7.8)	3,019(6.2)
Sample	394(38.3)	122(11.9)	137(13.3)	132(12.8)	116(11.3)	78(7.6)	50(4.9)

*...Population - 1971 census

...Percentage distribution in brackets

Edentulous subjects in the South East, England
and Wales, and in the United States

Age (yrs.)	Sex	South East (percentages of total edentulous in brackets)					Percentage edentulous			
		Number of subjects	N.D.	F.L.	F.U.	$\frac{F.U.}{F.L.}$	Total edent.	South East	Eng. & Wales	U.S.A.
< 16	M	199	4(100.0)	0	0	0	4	2.0	-	-
	F	183	6(85.7)	0	0	1(14.3)	7	3.8	-	-
16-24	M	60	1(33.3)	0	0	2(66.7)	3	5.0	0.5	1.3
	F	62	0	0	0	1(100.0)	1	1.6	1.4	1.4
25-34	M	56	1(11.1)	0	1(11.1)	7(77.8)	9	16.1	5.9	2.7
	F	80	1(9.1)	0	0	10(90.9)	11	13.8	7.6	6.1
35-44	M	64	1(6.3)	0	0	15(93.8)	16	25.0	16.3	5.9
	F	68	1(12.5)	0	0	21(87.5)	24	35.3	28.0	10.1
45-54	M	50	0	0	1(8.3)	11(91.7)	12	24.0	36.1	20.0
	F	65	6(17.1)	0	1(2.9)	28(80.0)	35	53.8	44.2	20.1
55-64	M	32	4(23.5)	0	0	13(76.5)	17	53.1	61.1	34.7
	F	46	7(25.9)	0	1(3.7)	19(70.4)	27	58.7	66.1	38.0
> 65	M	19	3(20.0)	0	0	12(80.0)	15	78.9	80.4	48.1*
	F	31	3(10.3)	0	0	26(89.7)	29	93.5	82.6	57.3*
Pooled		1,015	40(19.0)	0	4(1.9)	166(79.0)	210			

N.D. ...no denture

F.L. ...full lower denture

F.U. ...full upper denture

* ...estimated from age-sex specific groups⁸⁷

Edentulous subjects, classified by age and socio-economic level[†]

Age (yrs.)	S/E level	Number of subjects	Total edent.	Percent. edent.	No. by type of denture(s)*			
					N.D.	F.L.	F.U.	F.U. F.L.
< 16	Upper	137	4	2.9	4(100.0)	0	0	0
	Lower	245	7	2.9	6(85.7)	0	0	1(14.3)
16-24	Upper	35	1	2.9	0	0	0	1(100.0)
	Lower	87	3	3.4	1(33.3)	0	0	2(66.7)
25-34	Upper	53	2	3.8	0	0	0	2(100.0)
	Lower	83	18	21.7	2(11.1)	0	1(5.6)	15(83.3)
35-44	Upper	48	13	27.1	0	0	0	13(100.0)
	Lower	84	27	32.1	4(14.8)	0	0	23(85.2)
45-54	Upper	47	14	29.8	0	0	0	14(100.0)
	Lower	68	33	48.5	6(18.2)	0	2(6.1)	25(75.8)
55-64	Upper	30	17	56.7	2(11.8)	0	0	15(88.2)
	Lower	48	27	56.3	9(33.3)	0	1(3.7)	17(63.0)
≥ 65	Upper	23	20	87.0	4(20.0)	0	0	16(80.0)
	Lower	27	24	88.9	2(8.3)	0	0	22(91.7)
Pooled		1,015	210	20.7	40(19.0)	0	4(1.9)	166(79.0)

[†] ...Upper...S/E groups A and B

...Lower...remainder

*...Percentages of total edentulous in brackets

N.D...no denture

F.L...full lower denture

F.U...full upper denture

Percentage of New Zealanders wearing full upper
and full lower dentures*

Age (yrs.)	Sex	Number of subjects	Percentage wearing full upper and full lower dentures
20-29	M	240	11.7
	F	333	14.7
30-39	M	298	29.5
	F	326	36.8
40-49	M	335	33.1
	F	378	49.7
50-59	M	302	53.6
	F	326	65.6
≥60	M	335	70.4
	F	404	83.9

*...Derived from findings of Burgess and Beck¹⁷²

Subjects edentulous in the upper jaw only,
classified by age and sex

Age (yrs.)	Sex	Number of subjects	Total* edent. upper	No. with full** upper denture
< 16	M	199	0	0
	F	183	2(1.1)	0
16-24	M	60	1(1.7)	1(100.0)
	F	62	6(9.7)	5(83.3)
25-34	M	56	4(7.1)	3(75.0)
	F	80	13(16.3)	13(100.0)
35-44	M	64	13(20.3)	12(92.3)
	F	68	10(14.7)	9(90.0)
45-54	M	50	11(22.0)	11(100.0)
	F	65	11(16.9)	10(90.9)
55-64	M	32	3(9.4)	3(100.0)
	F	46	5(10.9)	4(80.0)
≥65	M	19	2(10.5)	1(50.0)
	F	31	1(3.2)	1(100.0)
Pooled		1,015	82(8.1)	73(89.0)

*...Percentages in brackets

**...Percentages of "edent. upper" in brackets

Subjects edentulous in the upper jaw only, classified
by age and socio-economic level

Age (yrs.)	S/E level	Number of subjects	Total* edent. upper	No. with full** upper denture
< 16	Upper	137	1(0.7)	0
	Lower	245	1(0.4)	0
16-24	Upper	35	1(2.9)	1(100.0)
	Lower	87	6(6.9)	5(83.3)
25-34	Upper	53	4(7.5)	4(100.0)
	Lower	83	13(15.7)	12(92.3)
35-44	Upper	48	6(12.5)	6(100.0)
	Lower	84	17(20.2)	15(88.2)
45-54	Upper	47	13(27.7)	13(100.0)
	Lower	68	9(13.2)	8(88.9)
55-64	Upper	30	2(6.7)	2(100.0)
	Lower	48	6(12.5)	5(83.3)
≥65	Upper	23	3(13.0)	2(66.7)
	Lower	27	0	0
Pooled		1,015	82(8.1)	73(89.0)

† ...Upper...S/E groups A and B

...Lower...remainder

*...Percentages in brackets

**...Percentages of "edent. upper" in brackets

Denture wearers by type of denture(s)

Age (yrs.)	Sex	Number of subjects	No. with dent.	Percent. with dent.	Denture wearers by type of denture(s)*							
					P.L.	<u>P.U.</u> F.L.	F.L.	<u>F.U.</u> P.L.	<u>P.U.</u> P.L.	P.U.	F.U.	<u>F.U.</u> F.L.
< 16	M	199	0	0	0	0	0	0	0	0	0	0
	F	183	2	1.1	0	0	0	0	0	1(50.0)	0	1(50.0)
16-24	M	60	6	10.0	0	0	0	0	0	3(50.0)	1(16.7)	2(33.3)
	F	62	9	14.5	0	0	0	0	0	3(33.3)	5(55.6)	1(11.1)
25-34	M	56	19	33.9	0	0	1(5.3)	0	1(5.3)	6(31.6)	4(21.1)	7(36.8)
	F	80	31	38.8	0	0	0	0	1(3.2)	7(22.6)	13(41.9)	10(32.3)
35-44	M	64	32	50.0	0	0	1(3.1)	0	1(3.1)	3(9.4)	12(37.5)	15(46.9)
	F	68	38	55.9	1(2.6)	1(2.6)	1(2.6)	1(2.6)	2(5.3)	3(7.9)	8(21.1)	21(55.3)
45-54	M	50	27	54.0	0	0	0	3(11.1)	1(3.7)	3(11.1)	9(33.3)	11(40.7)
	F	65	45	69.2	0	1(2.2)	0	3(6.7)	2(4.4)	3(6.7)	8(17.8)	28(62.2)
55-64	M	32	21	65.6	0	0	2(9.5)	1(4.8)	1(4.8)	2(9.5)	2(9.5)	13(61.9)
	F	46	28	60.9	0	0	0	0	2(7.1)	2(7.1)	5(17.9)	19(67.9)
≥ 65	M	19	13	68.4	0	0	0	1(7.7)	0	0	0	12(92.3)
	F	31	27	87.1	0	0	0	1(3.7)	0	0	0	26(96.3)
Pooled		1,015	298	29.4	1(0.3)	2(0.7)	5(1.7)	10(3.4)	11(3.7)	36(12.1)	67(22.5)	166(55.7)

F.U...full upper denture

P.U...partial upper denture

F.L...full lower denture

P.L...partial lower denture

*...Percentages of total denture wearers in brackets

Denture wearers classified by age and socio-economic level

Age (yrs.)	S/E Level	Number of subjects	Denture wearers*
< 16	Upper	137	0
	Lower	245	2(0.8)
16-24	Upper	35	5(14.3)
	Lower	87	10(11.5)
25-34	Upper	53	12(22.6)
	Lower	83	38(45.8)
35-44	Upper	48	24(50.0)
	Lower	84	46(54.8)
45-54	Upper	47	32(68.1)
	Lower	68	40(58.8)
55-64	Upper	30	21(70.0)
	Lower	48	28(58.3)
≥ 65	Upper	23	18(78.3)
	Lower	27	22(81.5)
Pooled		1,015	298(29.4)

† ...Upper...S/E groups A and B

...Lower...remainder

*...Percentages in brackets

Number of full dentures amongst dentures worn by subjects
classified by age, sex and socio-economic level

Age (yrs.)	Sex	No. of dent.	No. of* full dent.	S/E** level	No. of dent.	No. of* full dent.
< 16	M	0	0	Upper	0	0
	F	3	2(66.7)	Lower	3	2(66.7)
16-24	M	8	5(62.5)	Upper	6	3(50.0)
	F	10	7(70.0)	Lower	12	9(75.0)
25-34	M	27	19(70.4)	Upper	14	8(57.1)
	F	42	33(78.6)	Lower	55	44(80.0)
35-44	M	48	43(89.6)	Upper	39	33(84.6)
	F	63	53(84.1)	Lower	72	63(87.5)
45-54	M	42	34(81.0)	Upper	51	41(80.4)
	F	79	68(86.1)	Lower	70	61(87.1)
55-64	M	36	31(86.1)	Upper	39	33(84.6)
	F	49	43(87.8)	Lower	46	41(89.1)
» 65	M	26	25(96.2)	Upper	36	34(94.4)
	F	54	53(98.1)	Lower	44	44(100.0)
Pooled		487	416(85.4)		487	416(85.4)

*...Percentages in brackets

**...Upper...S/E groups A and B

...Lower...remainder

Number of subjects, who visited a dentist only when in pain,
classified by age, sex and socio-economic level

Age (yrs.)	Sex	Upper S/E*		Lower S/E*		Total	
		Number of subjects	No. vis.** for pain	Number of subjects	No. vis.** for pain	Number of subjects	No. vis.** for pain
< 16	M	64	14(21.9)	100	33(33.0)	164	47(28.7)
	F	52	12(23.1)	95	27(28.4)	147	39(26.5)
16-24	M	24	10(41.7)	36	20(55.6)	60	30(50.0)
	F	11	2(18.2)	51	20(39.2)	62	22(35.5)
25-34	M	23	9(39.1)	32	28(87.5)	55	37(67.3)
	F	30	11(36.7)	51	35(68.6)	81	46(56.8)
35-44	M	22	12(54.5)	40	31(77.5)	62	43(69.4)
	F	26	11(42.3)	38	22(57.9)	64	33(51.6)
45-54	M	23	13(56.5)	27	20(74.1)	50	33(66.0)
	F	24	12(50.0)	39	28(71.8)	63	40(63.5)
55-64	M	12	9(75.0)	18	14(77.8)	30	23(76.7)
	F	18	12(66.7)	27	19(70.4)	45	31(68.9)
>65	M	8	7(87.5)	10	5(50.0)	18	12(66.7)
	F	13	12(92.3)	14	10(71.4)	27	22(81.5)
Pooled		350	146(41.7)	578	312(54.0)	928	458(49.4)

*...Upper...S/E groups A and B

...Lower...remainder

**...Percentages in brackets

Number of subjects, who had received a filling,
classified by age, sex and socio-economic level

Age (yrs.)	Sex	Upper S/E*		Lower S/E*		Total	
		Number of subjects	No. rec.** filling	Number of subjects	No. rec.** filling	Number of subjects	No. rec.** filling
< 16	M	74	38(51.4)	124	42(33.9)	198	80(40.4)
	F	61	26(42.6)	117	51(43.6)		
16-24	M	24	23(95.8)	35	23(65.7)	59	46(78.0)
	F	11	10(90.9)	51	43(84.3)		
25-34	M	23	21(91.3)	32	26(81.3)	55	47(85.5)
	F	30	29(96.7)	51	40(78.4)		
35-44	M	22	20(90.9)	42	27(64.3)	64	47(73.4)
	F	26	21(80.8)	42	27(64.3)		
45-54	M	23	19(82.6)	27	21(77.8)	50	40(80.0)
	F	24	20(83.3)	40	24(60.0)		
55-64	M	12	8(66.7)	19	12(63.2)	31	20(64.5)
	F	18	13(72.2)	28	17(60.7)		
» 65	M	9	5(55.6)	10	4(40.0)	19	9(47.4)
	F	14	7(50.0)	15	5(33.3)		
Pooled		371	260(70.1)	633	362(57.2)	1,004	622(62.0)

*...Upper...S/E groups A and B

...Lower...remainder

**...Percentages in brackets

Number of subjects, who visited a dentist in the past 12 months,
classified by age, sex and socio-economic level

Age (yrs.)	Sex	Upper S/E*		Lower S/E*		Total	
		Number of subjects	No. vis.** dentist	Number of subjects	No. vis.** dentist	Number of subjects	No. vis.** dentist
< 16	M	70	48(68.6)	118	55(46.6)	188	103(54.8)
	F	55	42(76.4)	115	63(54.8)		
16-24	M	24	18(75.0)	32	16(50.0)	170	105(61.8)
	F	11	9(81.8)	50	39(78.0)		
25-34	M	23	17(73.9)	33	9(27.3)	56	48(78.7)
	F	29	23(79.3)	45	16(35.6)		
35-44	M	21	11(52.4)	42	11(26.2)	63	22(34.9)
	F	24	14(58.3)	39	17(43.6)		
45-54	M	22	10(45.5)	27	7(25.9)	49	17(34.7)
	F	23	11(47.8)	35	9(25.7)		
55-64	M	11	6(54.5)	19	4(21.1)	30	10(33.3)
	F	17	4(23.5)	27	4(14.8)		
>65	M	9	1(11.1)	10	1(10.0)	19	2(10.5)
	F	14	0	17	2(11.8)		
Pooled		353	214(60.6)	609	253(41.5)	962	467(48.5)

*...Upper...S/E groups A and B

...Lower...remainder

**...Percentages in brackets

Sample classified by age, sex, place of birth and place of residence

Age (yrs.)	Sex	Place of residence											
		State capital			Country urban centre			Rural area			South Australia		
		Aust. born	Other	Total	Aust. born	Other	Total	Aust. born	Other	Total	Aust. born	Other	Total
15-24	M	565	194	759	125	11	136	99	1	100	789	206	995
	F	555	176	731	138	19	157	86	3	89	779	198	977
25-34	M	339	231	570	89	26	115	83	9	92	511	266	777
	F	351	238	589	92	21	113	73	7	80	516	266	782
35-44	M	238	255	493	82	28	110	68	7	75	388	290	678
	F	276	216	492	65	25	90	52	9	61	393	250	643
45-54	M	312	223	535	74	25	99	55	11	66	441	259	700
	F	362	182	544	82	18	100	65	3	68	509	203	712
55-64	M	245	131	376	67	7	74	68	1	69	380	139	519
	F	292	105	397	78	8	86	43	4	47	413	117	530
>65	M	222	76	298	60	12	72	44	3	47	326	91	417
	F	334	103	437	78	8	86	44	1	45	456	112	568
Pooled		4,091	2,130	6,221	1,030	208	1,238	780	59	839	5,901	2,397	8,298

Sample classified by age, sex, socio-economic level and place of residence

Age (yrs.)	Sex	Place of residence											
		State capital			Country urban centre			Rural area			South Australia		
		Upper S/E level	Lower S/E level	Unclass.	Upper S/E level	Lower S/E level	Unclass.	Upper S/E level	Lower S/E level	Unclass.	Upper S/E level	Lower S/E level	Unclass.
15-24	M	93	583	83	16	118	2	31	59	10	140	760	95
	F	134	536	61	32	119	6	44	38	7	210	693	74
25-34	M	147	416	7	23	90	2	59	32	1	229	538	10
	F	148	410	31	19	91	3	42	35	3	209	536	37
35-44	M	130	355	8	26	83	1	43	31	1	199	469	10
	F	135	333	24	24	63	3	38	21	2	197	417	29
45-54	M	128	394	13	23	74	2	45	19	2	196	487	17
	F	116	378	50	24	65	11	42	21	5	182	464	66
55-64	M	66	265	45	14	49	11	38	20	11	118	334	67
	F	50	198	149	11	33	42	25	8	14	86	239	205
>65	M	15	41	242	6	5	61	16	7	24	37	53	327
	F	11	31	395	6	7	73	10	2	33	27	40	501
Pooled		1,173	3,940	1,108	224	797	217	433	293	113	1,830	5,030	1,438

Projected number of edentulous subjects
classified by place of residence*

Age (yrs.)	Sex	Number edentulous			
		State capital	Country urban centre	Rural area	South Australia
15-24	M	302(0.4)	366(2.3)	366(3.1)	1,033(1.0)
	F	1,436(1.8)	186(1.2)	186(2.1)	1,808(1.7)
25-34	M	2,330(4.0)	787(5.7)	1,892(17.0)	5,009(6.0)
	F	3,215(5.1)	2,459(18.9)	1,048(11.4)	6,721(7.9)
35-44	M	5,314(10.8)	2,531(21.5)	2,651(33.1)	10,496(15.2)
	F	8,210(16.1)	3,194(32.4)	1,815(27.7)	13,219(19.6)
45-54	M	13,040(24.8)	3,742(32.5)	2,681(34.9)	19,463(27.1)
	F	20,261(37.9)	5,937(60.8)	4,012(59.5)	30,210(43.2)
55-64	M	17,924(46.4)	3,987(52.2)	3,361(46.9)	25,272(47.3)
	F	24,268(57.5)	6,099(73.9)	2,845(62.6)	33,212(60.4)
≥65	M	21,772(68.3)	6,444(87.4)	3,444(76.1)	31,659(72.3)
	F	39,506(80.1)	7,268(89.6)	3,554(84.8)	50,329(81.7)
Pooled		157,578(24.3)	43,000(32.4)	27,855(30.8)	228,431(26.2)

*...Percentages in brackets

Projected number of edentulous subjects
classified by socio-economic level*

Age (yrs.)	Sex	S/E level		
		Upper	Lower	Unclassified
15-24	M	0	1,032(1.3)	0
	F	407(1.8)	1,068(1.4)	332(4.2)
25-34	M	1,969(7.9)	3,040(5.3)	0
	F	1,356(5.9)	5,139(8.8)	227(5.7)
35-44	M	2,496(12.2)	7,697(16.2)	303(30.1)
	F	2,802(13.7)	9,891(22.6)	526(16.9)
45-54	M	4,196(20.5)	14,925(30.2)	342(19.6)
	F	6,367(35.3)	20,685(45.3)	3,157(50.6)
55-64	M	4,983(40.8)	16,944(49.2)	3,345(49.3)
	F	4,623(52.4)	15,695(62.2)	12,894(61.5)
≥65	M	2,291(61.3)	3,466(62.6)	25,903(75.0)
	F	2,225(81.7)	2,956(70.9)	45,148(82.5)
Pooled		33,715(17.6)	102,538(19.5)	92,177(60.5)

*...Percentages in brackets

Projected number of edentulous subjects
classified by place of birth*

Age (yrs.)	Sex	Place of birth	
		Australia	Other
15-24	M	932(1.1)	101(0.5)
	F	1,476(1.8)	332(1.5)
25-34	M	4,204(7.6)	805(2.9)
	F	5,968(10.6)	753(2.6)
35-44	M	7,961(20.0)	2,535(8.7)
	F	9,310(22.6)	3,909(15.0)
45-54	M	13,999(30.7)	5,464(20.9)
	F	23,910(47.7)	6,300(31.7)
55-64	M	18,732(47.8)	6,540(46.0)
	F	27,547(64.6)	5,665(45.8)
≥65	M	24,687(72.3)	6,972(72.2)
	F	41,405(84.3)	8,924(71.4)
Pooled		180,131(29.0)	48,300(19.4)

*...Percentages in brackets

The wearing of full dentures by sex, place of birth,
place of residence and socio-economic level

Population group	Number edent.	Number of edentulous wearing*			
		$\frac{\text{F.U.}}{\text{F.L.}}$	F.U.	F.L.	N.D.
Males	92,932	86,564(93.1)	3,044(3.3)	0	3,325(3.6)
Females	135,499	130,140(96.0)	3,723(2.7)	0	1,635(1.2)
Aust. born	180,131	170,650(94.7)	5,483(3.0)	0	3,997(2.2)
Immigrants	48,300	46,054(95.3)	1,284(2.7)	0	963(2.0)
South Aust.	228,431	216,704(94.9)	6,767(3.0)	0	4,960(2.2)
State capital	157,578	150,365(95.4)	4,041(2.6)	0	3,173(2.0)
Country urban	43,000	40,283(93.7)	1,615(3.8)	0	1,102(2.6)
Rural	27,855	26,059(93.6)	1,110(4.0)	0	685(2.5)
Upper S/E level	33,715	32,764(97.2)	713(2.1)	0	238(0.7)
Lower S/E level	102,538	98,085(95.7)	2,582(2.5)	0	1,870(1.8)
Unclassified	92,177	85,851(93.1)	3,471(3.8)	0	2,853(3.1)

F.U...full upper denture

F.L...full lower denture

N.D...no denture

*...Percentages in brackets

Projected number of denture wearers classified by age, sex and type of denture(s)*

Age (yrs.)	Sex	Number of subjects	Number with denture(s)	Number with denture(s) by type of denture(s)							
				F.U.	<u>F.U.</u> F.L.	<u>F.U.</u> P.L.	P.U.	<u>P.U.</u> F.L.	<u>P.U.</u> P.L.	F.L.	P.L.
15-24	M	106,056	6,347(6.0)	1,326(20.9)	1,033(16.3)	101(1.6)	3,459(54.5)	0	128(2.0)	0	302(4.8)
	F	104,829	6,039(5.8)	1,890(31.3)	1,386(23.0)	0	2,102(34.8)	0	111(1.8)	0	550(9.1)
25-34	M	83,291	16,197(19.4)	4,104(25.3)	4,647(28.7)	429(2.6)	5,803(35.8)	0	771(4.8)	0	443(2.7)
	F	85,000	21,161(24.9)	7,138(33.7)	6,721(31.8)	450(2.1)	5,568(26.3)	211(1.0)	108(0.5)	0	965(4.6)
35-44	M	69,000	27,625(40.0)	7,241(26.2)	9,979(36.1)	919(3.3)	8,181(29.6)	0	998(3.6)	0	305(1.1)
	F	67,300	30,444(45.2)	9,167(30.1)	12,997(42.7)	1,165(3.8)	4,969(16.3)	304(1.0)	1,136(3.7)	193(0.6)	512(1.7)
45-54	M	71,704	39,486(55.1)	10,411(26.4)	17,932(45.4)	1,577(4.0)	7,990(20.2)	0	1,261(3.2)	0	315(0.8)
	F	69,991	48,465(69.2)	9,085(18.7)	29,458(60.8)	1,822(3.8)	5,589(11.5)	198(0.4)	1,297(2.7)	193(0.4)	823(1.7)
55-64	M	53,400	38,689(72.5)	6,746(17.4)	23,854(61.7)	1,852(4.8)	3,951(10.2)	105(0.3)	1,662(4.3)	0	520(1.3)
	F	55,000	44,387(80.7)	4,957(11.2)	31,566(71.1)	1,788(4.0)	2,959(6.7)	333(0.8)	2,358(5.3)	0	425(1.0)
➤ 65	M	43,792	37,291(85.2)	4,244(11.4)	29,119(78.1)	926(2.5)	2,029(5.4)	106(0.3)	868(2.3)	0	0
	F	61,607	57,704(93.7)	4,843(8.4)	48,012(83.2)	1,584(2.7)	1,719(3.0)	341(0.6)	1,006(1.7)	0	199(0.3)
Pooled		870,970	373,835(42.9)	71,152(19.0)	216,704(58.0)	12,613(3.4)	54,319(14.5)	1,598(0.4)	11,704(3.1)	386(0.1)	5,359(1.4)

F.U...full upper denture

P.U...partial upper denture

F.L...full lower denture

P.L...partial lower denture

*...Percentages in brackets

Projected percentages of dentures that were full prostheses, classified by the subject's age, sex, place of residence, place of birth and socio-economic level

Age (yrs.)	Sex	Percent. full dent.	Place of residence	Percent. full dent.	Place of birth	Percent. full dent.	S/E level	Percent. full dent.
15-24	M	45.9	State capital	47.1	Aust.	60.2	Upper	72.0
	F	61.9	Country urban	55.0	Other	30.3	Lower	51.1
			Rural	80.3				
25-34	M	62.7	State capital	61.3	Aust.	74.1	Upper	69.0
	F	74.1	Country urban	81.7	Other	49.2	Lower	69.0
			Rural	77.4				
35-44	M	71.2	State capital	69.2	Aust.	81.0	Upper	72.4
	F	80.0	Country urban	91.4	Other	64.2	Lower	77.4
			Rural	85.3				
45-54	M	79.4	State capital	81.0	Aust.	84.6	Upper	76.3
	F	86.4	Country urban	90.5	Other	80.1	Lower	85.2
			Rural	87.5				
55-64	M	85.3	State capital	84.7	Aust.	87.2	Upper	82.0
	F	87.3	Country urban	90.7	Other	83.6	Lower	86.5
			Rural	92.0				
≥ 65	M	93.0	State capital	92.7	Aust.	94.5	Upper	94.2
	F	94.6	Country urban	98.5	Other	92.1	Lower	90.0
			Rural	97.4				

Projected number of denture wearers classified by age, place of residence and type of denture(s)*

Age (yrs.)	Place of residence	Number of subjects	Number with denture(s)	Number with denture(s) by type of denture(s)							
				F.U.	F.U. F.L.	F.U. P.L.	P.U.	P.U. F.L.	P.U. P.L.	F.L.	P.L.
15-24	South Aust.	210,885	12,386(5.9)	3,216(26.0)	2,419(19.5)	101(0.8)	5,561(44.9)	0	239(1.9)	0	852(6.9)
	State capital	158,630	7,745(4.9)	1,494(19.3)	1,409(18.2)	101(1.3)	3,780(48.8)	0	111(1.4)	0	852(11.0)
	Country urban	31,461	2,954(9.4)	1,028(34.8)	459(15.5)	0	1,339(45.3)	0	128(4.3)	0	0
	Rural	20,793	1,687(8.1)	694(41.1)	552(32.7)	0	442(26.2)	0	0	0	0
25-34	South Aust.	168,291	37,358(22.2)	11,242(30.1)	11,368(30.4)	879(2.4)	11,371(30.4)	211(0.6)	879(2.4)	0	1,408(3.8)
	State capital	121,191	22,277(18.4)	6,490(29.1)	5,327(23.9)	394(1.8)	7,968(35.8)	211(0.9)	735(3.3)	0	1,154(5.2)
	Country urban	26,777	8,204(30.6)	2,859(34.8)	3,246(39.6)	0	1,845(22.5)	0	0	0	255(3.1)
	Rural	20,323	6,878(33.8)	1,894(27.5)	2,797(40.7)	486(7.1)	1,558(22.7)	0	144(2.1)	0	0
35-44	South Aust.	136,300	58,069(42.6)	16,408(28.3)	22,976(39.6)	2,084(3.6)	13,150(22.6)	304(0.5)	2,134(3.7)	193(0.3)	817(1.4)
	State capital	100,100	39,188(39.1)	10,534(26.9)	13,126(33.5)	1,552(4.0)	10,957(28.0)	304(0.8)	1,941(5.0)	193(0.5)	580(1.5)
	Country urban	21,630	9,926(45.9)	3,167(31.9)	5,489(55.3)	428(4.3)	621(6.3)	0	97(1.0)	0	125(1.3)
	Rural	14,570	8,953(61.4)	2,707(30.2)	4,362(48.7)	103(1.2)	1,573(17.6)	0	97(1.1)	0	111(1.2)
45-54	South Aust.	141,695	87,951(62.1)	19,496(22.2)	47,390(53.9)	3,399(3.9)	13,579(15.4)	198(0.2)	2,558(2.9)	193(0.2)	1,138(1.3)
	State capital	105,995	63,085(59.5)	14,068(22.3)	32,157(51.0)	2,303(3.7)	11,280(17.9)	198(0.3)	2,162(3.4)	89(0.1)	831(1.3)
	Country urban	21,283	14,340(67.4)	3,376(23.5)	8,881(61.9)	317(2.2)	1,275(8.9)	0	293(2.0)	104(0.7)	94(0.7)
	Rural	14,417	10,524(73.0)	2,052(19.5)	6,351(60.3)	779(7.4)	1,026(9.7)	0	104(1.0)	0	213(2.0)
55-64	South Aust.	108,400	83,076(76.6)	11,703(14.1)	55,420(66.7)	3,640(4.4)	6,910(8.3)	438(0.5)	4,020(4.8)	0	945(1.1)
	State capital	80,800	61,399(76.0)	8,057(13.1)	40,196(65.5)	3,140(5.1)	5,335(8.7)	438(0.7)	3,496(5.7)	0	736(1.2)
	Country urban	15,888	12,525(78.8)	1,675(13.4)	9,290(74.2)	0	944(7.5)	0	524(4.2)	0	92(0.7)
	Rural	11,712	9,151(78.1)	1,971(21.5)	5,933(64.8)	499(5.5)	631(6.9)	0	0	0	117(1.3)
≥65	South Aust.	105,399	94,995(90.1)	9,087(9.6)	77,131(81.2)	2,510(2.6)	3,748(3.9)	447(0.5)	1,874(2.0)	0	199(0.2)
	State capital	81,191	73,231(90.2)	6,881(9.4)	58,150(79.4)	2,334(3.2)	3,549(4.8)	447(0.6)	1,673(2.3)	0	199(0.3)
	Country urban	15,490	14,286(92.2)	1,058(7.4)	12,918(90.4)	88(0.6)	111(0.8)	0	111(0.8)	0	0
	Rural	8,717	7,477(85.8)	1,148(15.4)	6,064(81.1)	88(1.2)	88(1.2)	0	90(1.2)	0	0

F.U...full upper denture

P.U...partial upper denture

F.L...full lower denture

P.L...partial lower denture

*...Percentages in brackets

Projected number of denture wearers classified by age, socio-economic level and type of denture(s)*

Age (yrs.)	S/E level	Number of subjects	Number with denture(s)	Number with denture(s) by type of denture(s)							
				F.U.	F.U. F.L.	F.U. P.L.	P.U.	P.U. F.L.	P.U. P.L.	F.L.	P.L.
15-24	Upper	37,433	1,498(4.0)	531(35.4)	407(27.2)	101(6.7)	460(30.7)	0	0	0	0
	Lower	155,423	10,350(6.7)	2,685(25.9)	1,789(17.3)	0	4,894(47.3)	0	128(1.2)	0	852(8.2)
	Unclass.	18,029	538(3.0)	0	221(41.1)	0	206(38.3)	0	111(20.6)	0	0
25-34	Upper	47,673	9,528(20.0)	2,511(26.4)	3,181(33.4)	206(2.2)	3,164(33.2)	0	252(2.6)	0	214(2.2)
	Lower	115,494	27,067(23.4)	8,408(31.1)	7,961(29.4)	673(2.5)	7,992(29.5)	211(0.8)	627(2.3)	0	1,194(4.4)
	Unclass.	5,123	764(14.9)	322(42.1)	227(29.7)	0	215(28.1)	0	0	0	0
35-44	Upper	40,796	15,824(38.8)	4,583(29.0)	5,298(33.5)	1,024(6.5)	4,138(26.2)	97(0.6)	393(2.5)	97(0.6)	194(1.2)
	Lower	91,389	40,390(44.2)	11,202(27.7)	17,072(42.3)	1,059(2.6)	8,499(21.0)	208(0.5)	1,631(4.0)	97(0.2)	623(1.5)
	Unclass.	4,117	1,856(45.1)	624(33.6)	607(32.7)	0	513(27.6)	0	111(6.0)	0	0
45-54	Upper	38,547	22,424(58.2)	5,166(23.0)	10,221(45.6)	1,257(5.6)	3,963(17.7)	0	1,291(5.8)	0	526(2.3)
	Lower	95,161	60,498(63.6)	13,106(21.7)	33,950(56.1)	2,037(3.4)	9,134(15.1)	198(0.3)	1,268(2.1)	193(0.3)	613(1.0)
	Unclass.	7,986	5,028(63.0)	1,224(24.3)	3,217(64.0)	104(2.1)	484(9.6)	0	0	0	0
55-64	Upper	21,020	15,686(74.6)	2,398(15.3)	9,409(60.0)	1,039(6.6)	1,592(10.1)	105(0.7)	1,025(6.5)	0	117(0.7)
	Lower	59,621	46,555(78.1)	6,603(14.2)	31,100(66.8)	1,581(3.4)	4,506(9.7)	111(0.2)	2,138(4.6)	0	514(1.1)
	Unclass.	27,759	20,835(75.1)	2,702(13.0)	14,909(71.6)	1,019(4.9)	811(3.9)	222(1.1)	857(4.1)	0	314(1.5)
≥ 65	Upper	6,458	5,643(87.4)	892(15.8)	4,248(75.3)	303(5.4)	109(1.9)	0	90(1.6)	0	0
	Lower	9,702	8,753(90.2)	1,270(14.5)	6,213(71.0)	407(4.6)	324(3.7)	220(2.5)	317(3.6)	0	0
	Unclass.	89,240	80,600(90.3)	6,923(8.6)	66,670(82.7)	1,800(2.2)	3,315(4.1)	227(0.3)	1,467(1.8)	0	199(0.2)

F.U...full upper denture

P.U...partial upper denture

F.L...full lower denture

P.L...partial lower denture

*...Percentages in brackets

Projected number of denture wearers classified by
age, place of birth and type of denture(s)*

Age (yrs.)	Aust. born	Number of subjects	Number with denture(s)	Number with denture(s) by type of denture(s)							
				F.U.	<u>F.U.</u> F.L.	<u>F.U.</u> P.L.	P.U.	<u>P.U.</u> F.L.	<u>P.U.</u> P.L.	F.L.	P.L.
15-24	Yes	167,949	9,716(5.8)	3,107(32.0)	1,986(20.4)	101(1.0)	4,074(41.9)	0	128(1.3)	0	321(3.3)
	No	42,936	2,670(6.2)	109(4.1)	433(16.2)	0	1,487(55.7)	0	111(4.2)	0	531(19.9)
25-34	Yes	111,931	29,155(26.0)	9,401(32.2)	9,919(34.0)	879(3.0)	7,737(26.5)	0	688(2.4)	0	532(1.8)
	No	56,360	8,203(14.6)	1,841(22.4)	1,449(17.7)	0	3,634(44.3)	211(2.6)	191(2.3)	0	876(10.7)
35-44	Yes	81,079	39,788(49.1)	12,983(32.6)	16,635(41.8)	1,875(4.7)	6,756(17.0)	97(0.2)	1,140(2.9)	0	304(0.8)
	No	55,221	18,281(33.1)	3,425(18.7)	6,341(34.7)	209(1.1)	6,394(35.0)	207(1.1)	994(5.4)	193(1.1)	513(2.8)
45-54	Yes	95,676	65,438(68.4)	14,682(22.4)	36,165(55.3)	2,426(3.7)	9,248(14.1)	198(0.3)	1,887(2.9)	104(0.2)	728(1.1)
	No	46,020	22,513(48.9)	4,814(21.4)	11,225(49.9)	973(4.3)	4,331(19.2)	0	671(3.0)	89(0.4)	410(1.8)
55-64	Yes	81,817	64,902(79.3)	9,224(14.2)	43,624(67.2)	3,008(4.6)	5,655(8.7)	222(0.3)	2,635(4.1)	0	535(0.8)
	No	26,583	18,174(68.4)	2,479(13.6)	11,796(64.9)	632(3.5)	1,255(6.9)	216(1.2)	1,385(7.6)	0	410(2.3)
≥ 65	Yes	83,239	76,154(91.5)	7,196(9.4)	62,321(81.8)	2,070(2.7)	3,005(3.9)	227(0.3)	1,237(1.6)	0	99(0.1)
	No	22,160	18,841(85.0)	1,891(10.0)	14,810(78.6)	440(2.3)	743(3.9)	220(1.2)	637(3.4)	0	100(0.5)

F.U...full upper denture

P.U...partial upper denture

F.L...full lower denture

P.L...partial lower denture

*...Percentages in brackets

Estimated cost of delivering care from July
to December, 1972

Item	Estimated cost (\$)*
Salaries	
- clinical staff	
dentists	76,962.85(24.0)
therapists	104,953.80(32.7)
chairside assistants	43,658.97(13.6) (76.6)
- supportive staff	16,212.42(5.1)
- cleaners	3,842.65(1.2)
Stores and minor equipment replacements	28,536.97(8.9)
Electricity, water, gas telephone and laundry	7,111.90(2.2)
Postage	860.00(0.3)
Travel	2,106.14(0.7)
Clinics (two and three-chair)	
- capital deprec.	29,349.89(9.1)
- maintenance	3,450.00(1.1)
Clinics (mobile)	
- capital deprec.	2,698.06(0.8)
- maintenance	160.00(0.0) (11.4)
Vehicle	
- capital deprec.	262.28(0.1)
- maintenance (inc. operat. costs)	683.82(0.2)
Total	320,849.75

*...Percentages of total cost in brackets

Estimated annual operational cost of the School
of Dental Therapy

Item	Estimated cost (\$)*
Total salaries (inc. admin.)	138,742.08(66.0) } (82.4)
Student money allowances**	34,488.38(16.4) }
Stores and minor equipment replacements**	18,729.53(8.9)
Electricity, water, gas, laundry and maintenance	10,092.43(4.8)
Postage and telephone	1,516.40(0.7)
Travel	538.53(0.3)
Workers' compensation	69.85(0.0)
Operation of vehicles	672.50(0.3)
Freight and miscellaneous	3,429.60(1.6)
Estim. increase in maintenance to correspond to annual average over 15 years	2,000.00(1.0)
Total	210,279.30

*...Percentages of total cost in brackets

**...Increased to correspond to the average class
of 15 second-year students

Cost standards for care provided at the School of Dental
Therapy from July to December, 1972

Item of care	Cost standards (\$) based on "fee-for-service" schedule*		
	One	Two	Three
Exams, x-rays, proph., fluor., d.h.e.	19,897.05(37.8)	15,324.99(37.8)	13,238.50(32.8)
Restorations	29,575.53(56.1)	22,494.77(55.5)	24,635.72(61.1)
Extractions	1,361.00(2.6)	1,036.24(2.6)	1,319.75(3.3)
Endodontics	446.20(0.8)	386.25(1.0)	467.75(1.2)
Pros., mth. guards	0.00(0.0)	0.00(0.0)	0.00(0.0)
Ortho.	220.56(0.4)	198.00(0.5)	198.00(0.5)
Sedative dressings, miscell. operat.	1,175.09(2.2)	1,055.55(2.6)	461.68(1.1)
Total	52,675.43	40,495.80	40,321.40
(Adjusted total**)	(47,725.09)	(36,692.06)	(40,321.40)

*...Percentages of total cost standard in brackets

**...Reduced to allow for multiple services (see text)

- N.B., not applicable to schedule three

Cost standards for care provided through teams of dentists and therapists
and through solo dentists from July to December, 1972

Item of care	Dentists and therapists			Solo dentists		
	Cost standards (\$) based on "fee-for-service" schedule*			Cost standards (\$) based on "fee-for-service" schedule*		
	One	Two	Three	One	Two	Three
Exams, x-rays, proph., fluor., d.h.e.	193,772.20(40.1)	148,036.12(39.8)	116,847.10(32.3)	16,046.47(41.4)	12,175.09(41.5)	9,321.40(32.4)
Restorations	243,828.01(50.5)	185,772.44(50.0)	206,441.16(57.1)	20,260.20(52.3)	15,134.57(51.6)	17,198.47(59.8)
Extractions	21,529.00(4.5)	16,687.68(4.5)	20,536.15(5.7)	1,465.00(3.8)	1,144.29(3.9)	1,410.55(4.9)
Endodontics	7,917.94(1.6)	6,627.74(1.8)	7,889.84(2.2)	489.12(1.3)	417.85(1.4)	499.15(1.7)
Pros., mth. guards	2,373.61(0.5)	2,094.29(0.6)	2,231.01(0.6)	10.74(0.0)	9.64(0.0)	9.64(0.0)
Ortho.	2,977.56(0.6)	2,673.00(0.7)	2,673.00(0.7)	36.76(0.1)	33.00(0.1)	33.00(0.1)
Sedative dress- ings, miscell. operat.	10,777.32(2.2)	9,685.24(2.6)	4,876.20(1.3)	449.20(1.2)	404.04(1.4)	277.20(1.0)
Total (Adjusted total**)	483,175.64 (440,716.23)	371,576.51 (338,853.41)	361,494.46 (361,494.46)	38,757.49 (35,386.75)	29,318.48 (26,777.68)	28,749.41 (28,749.41)

*...Percentages of total cost standard in brackets

**...Reduced to allow for multiple services (see text)

- N.B., not applicable to schedule three

Operational cost of the School of Dental
Therapy in 1975

Item	Estimated cost (\$)*
Total salaries (inc. admin. and student money allowances)	846,634.82(81.8)
Stores and minor equipment replacements	91,590.47(8.8)
Electricity, water, gas, laundry, freight and operat. of vehicles	41,805.85(4.0)
Postage, telephone, maintenance and miscellaneous	48,906.59(4.7)
Travel	6,138.62(0.6)
Total	1,035,076.35

*...Percentages of total cost in brackets

Operational cost of delivering care in 1975

Item	Estimated cost (\$)*
Total salaries (inc. admin.)	1,170,668.72(80.2)
Stores and minor equipment replacements	155,607.04(10.7)
Electricity, water, gas, laundry, freight and operat. of vehicles	70,337.42(4.8)
Postage, telephone, maintenance and miscellaneous	57,660.19(4.0)
Travel	4,632.16(0.3)
Total	1,458,905.53

*...Percentages of total cost in brackets

Time taken in minutes by dentists to provide restorative care by type of restoration and year of graduation*

Tooth type	Restoration type**	Dentists (no. in brackets)		
		Graduating before 1971	Graduating in 1971 or 1972	Total
Primary	(1)	26.250 ±4.732 (4)	23.056 ±1.489 (9)	24.038 ±1.711 (13)
	(2)	27.000 ±2.134 (10)	29.444 ±1.547 (9)	28.158 ±1.336 (19)
	(2.2)	28.333 ±4.410 (3)	32.143 ±3.912 (7)	31.000 ±2.963 (10)
	(3)	25.000 ±2.887 (3)	27.143 ±3.107 (7)	26.500 ±2.273 (10)
	(2.3)	28.750 ±8.750 (2)	31.667 ±6.667 (3)	30.500 ±4.637 (5)
Permanent	(1)	25.208 ±1.392 (12)	24.500 ±1.384 (10)	24.886 ±0.966 (22)
	(2)	29.583 ±2.106 (12)	30.000 ±1.667 (10)	29.773 ±1.345 (22)
	(2.2)	40.000 ±4.082 (4)	32.000 ±4.637 (5)	35.556 ±3.275 (9)
	(3)	28.250 ±1.750 (10)	29.000 ±2.048 (10)	28.625 ±1.314 (20)
	(2.3)	35.000 ±2.041 (9)	36.111 ±3.706 (9)	35.556 ±2.057 (18)

*...Mean ± standard error

**...Interpretation as specified in Appendix 5.1

Time taken in minutes by therapists to provide restorative care by type of restoration and year of graduation*

Tooth type	Restoration type**	Therapists (no. in brackets)		
		Graduating before 1971	Graduating in 1971 or 1972	Total
Primary	(1)	22.647 ±1.667 (17)	26.346 ±1.564 (26)	24.884 ±1.173 (43)
	(2)	28.816 ±1.383 (19)	31.207 ±0.982 (29)	30.260 ±0.816 (48)
	(2.2)	32.031 ±1.912 (16)	35.089 ±1.727 (28)	33.977 ±1.306 (44)
	(3)	28.500 ±1.739 (15)	29.696 ±1.178 (23)	29.224 ±0.980 (38)
	(2.3)	34.167 ±1.179 (18)	34.231 ±1.231 (26)	34.205 ±0.863 (44)
Permanent	(1)	27.895 ±1.395 (19)	28.276 ±0.993 (29)	28.125 ±0.807 (48)
	(2)	34.868 ±1.331 (19)	36.552 ±1.298 (29)	35.885 ±0.943 (48)
	(2.2)	39.091 ±3.743 (11)	44.821 ±2.876 (14)	42.300 ±2.327 (25)
	(3)	33.421 ±1.395 (19)	33.482 ±1.101 (28)	33.457 ±0.855 (47)
	(2.3)	39.167 ±1.980 (18)	40.250 ±1.477 (26)	39.807 ±1.179 (44)

*...Mean ± standard error

**...Interpretation as specified in Appendix 5.1

Numbers of children examined per dentist

Number of children per dentist	Number of regional dentists	Number of staff dentist
10	1	0
20	1	0
40	3	0
50	1	2
60	2	5
70	1	1
80	1	0

Types of treatment indicated for decay by therapists, regional dentists and staff dentists (percentages in brackets)

Examiners	Restorations	Extractions	Other*
Therapists	1,845(83.3)	74(3.3)	295(13.3)
Regional dentists	1,674(82.7)	67(3.3)	284(14.0)
Staff dentists	1,833(84.0)	77(3.5)	273(12.5)

*...Temporary dressings

...Abrade and polish

...Leave

Mean d values per therapist, expressed as teeth per child[†]

-0.8* ±0.3	-0.7 ±0.4	0 ±0.4	-0.6 ±0.4	0.1 ±0.7	-2.1*** ±0.3
-0.5 ±0.6	0.9 ±0.9	-0.1 ±0.3	0 ±0.3	1.0 ±0.5	0.7* ±0.3
-0.8 ±0.5	-0.5 ±0.5	0 ±0.6	-0.2 ±0.7	0.2 ±0.4	-0.5 ±0.3
0.6 ±0.7	0.1 ±0.5	0.3 ±0.6	-1.0 ±1.0	0.1 ±0.3	-0.6 ±0.5
-0.4 ±0.5	-1.6* ±0.7	-0.4 ±0.5	0.1 ±0.4	-0.5 ±0.7	-0.4 ±0.7
0.6 ±0.5	-0.9 ±0.6	0.5 ±0.4	0.2 ±0.5	0.9 ±0.4	1.0 ±0.6
-1.0 ±0.6	2.6** ±0.7	0 ±0.9	0.6 ±0.3	-0.3 ±0.5	0.5 ±0.5
-0.2 ±0.3	0.6 ±0.7	0.1 ±0.4	-0.5 ±0.3	0.4 ±0.5	- -

[†]...Mean ± standard error

*...p < 0.05: **...p < 0.01: ***...p < 0.001

Mean d values per therapist, expressed as
occlusal surfaces per child[†]

-0.4 ±0.3	-0.7* ±0.3	0.1 ±0.2	0.1 ±0.3	-0.3 ±0.3	-0.5 ±0.3
0.3 ±0.3	0.2 ±0.6	-0.1 ±0.3	-0.2 ±0.2	0.6 ±0.3	0.1 ±0.2
-0.3 ±0.3	0.1 ±0.2	-0.1 ±0.2	0 ±0.3	0.2 ±0.2	-0.5* ±0.2
0.2 ±0.5	-0.1 ±0.2	0.1 ±0.1	-0.8 ±0.6	0.1 ±0.1	0.2 ±0.1
-0.4 ±0.3	-0.4 ±0.3	0.2 ±0.2	0.5 ±0.5	-0.3 ±0.4	-0.1 ±0.5
0.4 ±0.4	-0.3 ±0.4	0 ±0.2	0.4 ±0.3	0.9* ±0.3	0.8* ±0.3
0.6 ±0.3	1.1** ±0.3	0 ±0.3	0.5* ±0.2	0.1 ±0.3	-0.2 ±0.3
0.1 ±0.2	0.2 ±0.4	0 ±0.2	-0.2 ±0.4	-0.2 ±0.2	- -

[†]...Mean ± standard error

*...p < 0.05: **...p < 0.01

Mean d values per therapist, expressed as proximal surfaces per child[†]

-0.2 ±0.2	0.3 ±0.3	-0.5 ±0.5	-0.4 ±0.2	0.8 ±0.7	-1.3* ±0.5
-0.7 ±0.6	0.5 ±1.0	-0.1 ±0.1	0 ±0.3	0.4 ±0.4	0.3 ±0.2
-0.2 ±0.2	-1.0 ±0.6	-0.6 ±0.6	-0.1 ±0.7	0 ±0.2	-0.1 ±0.2
0.5 ±0.4	-0.1 ±0.7	0.2 ±0.6	-0.1 ±0.6	0.2 ±0.3	-1.0 ±0.5
-0.1 ±0.3	-1.2 ±0.6	-0.5 ±0.3	-0.6 ±0.7	-0.4 ±0.3	-0.4 ±0.2
0.2 ±0.1	-0.5 ±0.4	0.8 ±0.5	-0.4 ±0.5	-0.4 ±0.3	-0.1 ±0.5
-1.3 ±0.7	1.2 ±0.7	0.1 ±0.9	-0.2 ±0.5	-0.1 ±0.3	1.3* ±0.5
-0.4 ±0.2	0.3 ±0.4	-0.2 ±0.5	-0.3 ±0.3	0.4 ±0.4	- -

[†]...Mean ± standard error

*...p < 0.05

Major reasons for referral, as stated by therapists, regional dentists and staff dentists (percentages in brackets)

Major reasons for referral	Examiners			Statistical significance
	Therapists	Regional dentists	Staff dentists	
Orthodontic	259(92.2)	252(87.8)	243(85.3)	$\chi^2 = 9.60$ df = 6 not sig.
Orthodontic plus other pathol.	10(3.6)	9(3.1)	16(5.6)	
Restorations	6(2.1)	10(3.5)	12(4.2)	
Miscellaneous*	6(2.1)	16(5.6)	14(4.9)	

*...Extractions : Soft tissue pathology

...Endo. : Occlusal rehabilitation etc.

Mean DMF and df scores per child, as assessed from data provided by therapists, regional dentists and staff dentists

Examiners	d	f	df	D	M	F	DMF
Therapists	1.857	1.326	3.183	2.853	0.126	1.855	4.834
Reg. dentists	1.700	1.409	3.109	2.609	0.128	1.970	4.706
Staff dentists	1.919	1.260	3.179	2.726	0.128	1.938	4.792
Statistical significance	$\chi^2_F=17.95$ df=2 p < 0.001	$\chi^2_F=18.80$ df=2 p < 0.001	$\chi^2_F=2.55$ df=2 not sig.	$\chi^2_F=10.52$ df=2 p < 0.01	$\chi^2_F=0.32$ df=2 not sig.	$\chi^2_F=9.32$ df=2 p < 0.01	$\chi^2_F=3.15$ df=2 not sig.

Types of occlusion, as classified by therapists, regional dentists and staff dentists (percentages in brackets)

Examiners	Normal	Class I	Class II Div. I	Class II Div. II	Class III	Statistical significance
Therapists	109(23.2)	236(50.2)	100(21.3)	10(2.1)	15(3.2)	$\chi^2=17.19$
Reg. dentists	147(31.3)	199(42.3)	89(18.9)	23(4.9)	12(2.6)	df=8
Staff dentists	123(26.2)	215(45.7)	98(20.9)	24(5.1)	10(2.1)	p < 0.05

Scores for oral hygiene and gingivitis, as provided by therapists,
regional dentists and staff dentists (percentages in brackets)

Condition	Examiners	Score*				Statistical significance
		1	2	3	4	
Oral hygiene	Therapists	19(4.0)	217(46.2)	186(39.6)	48(10.2)	$\chi^2_F=0.56$ df=2 not sig.
	Reg. dentists	30(6.4)	216(46.0)	171(36.4)	53(11.3)	
	Staff dentists	37(7.9)	203(43.2)	169(36.0)	61(13.0)	
Gingivitis	Therapists	28(6.0)	331(70.4)	104(22.1)	7(1.5)	$\chi^2_F=111.88$ df=2 p < 0.001
	Reg. dentists	148(31.5)	228(48.5)	83(17.7)	11(2.3)	
	Staff dentists	54(11.5)	244(51.9)	149(31.7)	23(4.9)	

*...Oral hygiene

- 1 - "very good"
- 2 - "good"
- 3 - "poor"
- 4 - "very poor"

*...Gingivitis

- 1 - "absent"
- 2 - "mild"
- 3 - "moderate"
- 4 - "severe"

Scores for hypoplasia and fractured teeth, as provided by therapists,
regional dentists and staff dentists (percentages in brackets)

Condition	Examiners	Score*				Statistical significance
		1	2	3	4	
Hypoplasia	Therapists	241(51.3)	204(43.4)	21(4.5)	4(0.9)	$\chi^2_F=24.72$ df=2 p < 0.001
	Reg. dentists	285(60.6)	166(35.3)	16(3.4)	3(0.6)	
	Staff dentists	233(49.6)	199(42.3)	31(6.6)	7(1.5)	
Fractured teeth	Therapists	414(88.1)	50(10.6)	6(1.3)	0(0)	$\chi^2_F=10.90$ df=2 p < 0.01
	Reg. dentists	424(90.2)	34(7.2)	11(2.3)	1(0.2)	
	Staff dentists	405(86.2)	48(10.2)	16(3.4)	1(0.2)	

*...Hypoplasia

- 1 - "absent"
- 2 - "very mild"
- 3 - "moderate"
- 4 - "severe"

*...Fractured teeth

- 1 - absent
- 2 - affecting the enamel only
- 3 - affecting the dentine to a "small" extent
- 4 - affecting the dentine to a "large" extent

Subjects classified by exposure to fluoridation, sex and age at the initial restoration of upper permanent first molar tooth surfaces

Permanent first molar	Surface	Known exposure to fluoridation	Males									Females												
			Age (yrs.)										N.R.*	Age (yrs.)										N.R.*
			5	6	7	8	9	10	11	12	5	6		7	8	9	10	11	12					
Right	Occ.	No	2	24	38	17	12	0	1	0	6	1	19	42	15	10	5	3	0	5				
		Yes	1	7	14	18	15	14	10	0	21	1	5	21	15	15	16	11	4	12				
	Mes.	No	0	1	6	15	24	21	5	2	26	0	1	11	16	18	17	6	5	26				
		Yes	0	0	1	4	2	11	9	7	66	0	0	3	8	1	12	9	9	58				
	Dist.	No	0	0	0	1	1	2	5	10	81	0	0	0	0	2	3	4	1	90				
		Yes	0	0	0	0	0	0	0	0	100	0	0	0	0	1	0	1	0	98				
Left	Occ.	No	2	26	36	19	9	2	1	0	5	0	18	42	18	8	5	2	0	7				
		Yes	0	6	16	17	18	8	7	6	22	1	9	15	20	15	9	5	9	17				
	Mes.	No	0	1	5	19	21	14	6	7	27	0	1	10	11	22	13	4	4	35				
		Yes	0	0	1	4	6	13	5	5	66	0	0	3	6	4	7	9	8	63				
	Dist.	No	0	0	1	0	1	4	2	5	87	0	0	0	1	4	3	3	4	85				
		Yes	0	0	0	0	0	2	1	0	97	0	0	0	0	1	0	1	1	97				

*...Percentages with surface not restored

Subjects classified by exposure to fluoridation, sex and age at the initial restoration of lower permanent first molar tooth surfaces

Permanent first molar	Surface	Known exposure to fluoridation	Males									Females												
			Age (yrs.)										N.R.*	Age (yrs.)										N.R.*
			5	6	7	8	9	10	11	12	5	6		7	8	9	10	11	12					
Right	Occ.	No	4	26	31	17	12	1	2	1	6	2	26	37	14	6	1	4	2	8				
		Yes	0	8	12	11	20	11	11	8	19	0	10	23	16	11	14	8	1	17				
	Mes.	No	0	1	7	20	20	9	13	5	25	0	0	8	19	23	10	8	3	29				
		Yes	0	0	4	1	6	5	8	14	62	0	1	2	5	2	11	12	6	61				
	Dist.	No	0	0	0	2	3	7	4	4	80	0	0	0	2	7	3	5	8	75				
		Yes	0	0	0	0	1	0	0	0	99	0	0	0	0	1	1	0	3	95				
Left	Occ.	No	5	23	33	14	12	2	2	3	6	2	25	37	14	8	5	0	1	8				
		Yes	0	13	13	13	14	12	9	5	21	3	10	20	19	10	15	9	1	13				
	Mes.	No	0	2	7	14	20	9	11	6	31	0	2	10	17	16	12	10	5	28				
		Yes	0	2	0	4	4	11	7	10	62	0	0	2	9	4	11	7	7	60				
	Dist.	No	0	0	0	1	6	6	10	13	64	0	0	0	2	7	6	9	7	69				
		Yes	0	0	0	0	0	1	0	2	97	0	0	1	0	3	0	1	1	94				

*...Percentages with surface not restored

Percentages of upper permanent first molars receiving certain restorations, classified by exposure to fluoridation and decay rates in the primary dentition

Sex	Permanent first molar	Known exposure to fluoridation	Primary tooth decay rate > mean	Number of subjects	Restorations				
					Occlusal	Occlusal < 8 years of age	Mesio-occlusal	Disto-occlusal	Occlusal but no occluso-proximal
Males	Right	No	Yes	55	96.4	76.4	81.8	23.6	14.5
			No	45	91.1	48.9	64.4	13.3	26.7
		Yes	Yes	39	87.2	28.2	46.2	0	41.0
			No	61	73.8	18.0	26.2	0	47.5
Males	Left	No	Yes	55	100.0	72.7	81.8	14.5	18.2
			No	45	88.9	53.3	62.2	11.1	26.7
		Yes	Yes	39	84.6	25.6	33.3	5.1	51.3
			No	61	73.8	19.7	34.4	1.6	39.3
Females	Right	No	Yes	54	100.0	75.9	85.2	13.0	14.8
			No	46	89.1	45.7	60.9	6.5	28.3
		Yes	Yes	47	93.6	34.0	55.3	4.3	38.3
			No	53	83.0	20.8	30.2	0	52.8
Females	Left	No	Yes	54	96.3	74.1	75.9	18.5	20.4
			No	46	89.1	43.5	52.2	10.9	34.8
		Yes	Yes	47	89.4	34.0	48.9	6.4	38.3
			No	53	77.4	17.0	26.4	0	50.9

Percentages of lower permanent first molars receiving certain restorations, classified by exposure to fluoridation and decay rates in the primary dentition

Sex	Permanent first molar	Known exposure to fluoridation	Primary tooth decay rate > mean	Number of subjects	Restorations				
					Occlusal	Occlusal < 8 years of age	Mesio-occlusal	Disto-occlusal	Occlusal but no occluso-proximal
Males	Right	No	Yes	55	100.0	72.7	76.4	21.8	20.0
			No	45	86.7	46.7	73.3	17.8	13.3
		Yes	Yes	39	89.7	28.2	43.6	2.6	46.2
			No	61	75.4	14.8	34.4	0	41.0
Males	Left	No	Yes	55	98.2	76.4	78.2	40.0	14.5
			No	45	88.9	42.2	57.8	31.1	24.4
		Yes	Yes	39	89.7	33.3	38.5	2.6	51.3
			No	61	72.1	21.3	37.7	3.3	32.8
Females	Right	No	Yes	54	98.1	87.0	77.8	29.6	18.5
			No	46	84.8	39.1	63.0	19.6	21.7
		Yes	Yes	47	91.5	53.2	55.3	4.3	36.2
			No	53	75.5	15.1	24.5	5.7	49.1
Females	Left	No	Yes	54	100.0	81.5	79.6	35.2	18.5
			No	46	82.6	43.5	63.0	26.1	17.4
		Yes	Yes	47	93.6	44.7	53.2	10.6	36.2
			No	53	81.1	22.6	28.3	1.9	52.8

Subjects classified by exposure to fluoridation, sex and time lapse between the initial restoration of occlusal and proximal permanent first molar tooth surfaces

Permanent first molar	Known exposure to fluoridation	Males										Females									
		Time lapse*									N.O.**	Time lapse*									N.O.**
		0	1	2	3	4	5	6	7	N.P.***		N.P.	0	1	2	3	4	5	6	7	
Upper right	No	10	13	23	20	6	2	0	0	20	6	15	18	19	10	7	3	2	0	21	5
	Yes	10	5	4	8	4	2	1	0	45	21	12	10	5	7	4	4	0	0	46	12
Upper left	No	6	15	23	17	7	4	1	0	22	5	15	14	17	12	5	2	1	0	27	7
	Yes	6	10	6	7	4	1	0	0	44	22	11	7	5	7	3	3	2	0	45	17
Lower right	No	14	14	22	11	7	6	3	0	17	6	15	13	26	9	7	1	1	0	20	8
	Yes	15	7	4	6	3	3	0	0	43	19	11	6	5	6	9	3	0	0	43	17
Lower left	No	15	16	20	11	5	5	2	1	19	6	13	20	16	14	5	5	1	0	18	8
	Yes	14	4	8	4	6	3	0	0	40	21	14	5	4	8	4	4	2	1	45	13

*...Age at initial occluso-proximal restoration minus age at initial occlusal restoration (age measured in years)

**...Neither proximal nor occlusal surface restored

***...Occlusal surface restored, but proximal surface not restored

Classification of occlusal surfaces of permanent first
molars by dental arch and region

Region	Dental arch	Classification*			
		A**	B**	C**	D**
Non-fluorid.	Upper	435(45.9)	132(13.9)	81(8.5)	300(31.6)
	Lower	384(40.5)	157(16.6)	115(12.1)	292(30.8)
Fluoridated	Upper	283(41.3)	37(5.4)	192(28.0)	174(25.4)
	Lower	282(41.1)	44(6.4)	186(27.1)	174(25.4)
	Pooled	1,384(42.4)	370(11.3)	574(17.6)	940(28.8)

*...Percentages in brackets

**...A : sound and eligible for sealant

...B : sound but not eligible for sealant

...C : history of caries

...D : unerupted

Upper and lower estimates of retention rates
of sealant by dental arch and region*

Region	Dental arch	Lower estimate	Upper estimate
Non-fluorid.	Upper	20.0(35/175)	24.0(42/175)
	Lower	19.0(28/147)	27.2(40/147)
Fluoridated	Upper	26.0(26/100)	28.0(28/100)
	Lower	39.0(39/100)	49.0(49/100)
Pooled		24.5(128/522)	30.5(159/522)

*...Expressed as percentages

Numbers of occlusal surfaces affected
by decay in test and control groups*

Region	Dental arch	Group	
		Test	Control
Non-fluorid.	Upper	34(19.4)	46(26.3)
	Lower	32(21.8)	47(32.0)
Fluoridated	Upper	18(18.0)	15(15.0)
	Lower	9(9.0)	15(15.0)
Pooled		93(17.8)	123(23.6)

*...Percentages in brackets

Mean base-line debris and gingival disease scores for test and control groups,
classified by sex and period of participation in the educational programme

Sub-group	Number of pairs	Test group		Control group	
		Debris score	Gingival disease score	Debris score	Gingival disease score
Males	44	1.548	1.026	1.528	0.957
Females	47	1.004	0.549	1.027	0.584
Participation (test)					
- last two months	30	1.102	0.623	1.110	0.696
- remainder	61	1.348	0.857	1.347	0.798
Pooled	91	1.267	0.780	1.269	0.764

Reductions in the growth of debris and gingival disease scores in test students classified by sex[†] and period of participation in the educational programme, as indicated by comparisons with controls

Sub-group	Number of pairs	Reductions	
		Debris scores	Gingival disease scores
Males	44	0.278* (59.9) ±0.134	0.381*** (54.7) ±0.097
Females	47	0.332*** (58.4) ±0.082	0.185 (26.5) ±0.097
Participation - last two months	30	0.529*** (75.1) ±0.135	0.354** (45.2) ±0.120
- remainder	61	0.197* (46.0) ±0.091	0.243** (37.1) ±0.084
Pooled	91	0.306*** (59.1) ±0.077	0.280*** (40.1) ±0.069

[†] ...Means ± standard errors: percentage reductions in brackets

*...p < 0.05: **...p < 0.01: ***...p < 0.001

Percentages of test and control subjects practising specified oral hygiene practices, classified by sex and period of participation in the educational programme

Practice	Group	Sub-group	Percentage at		χ^2_M (df=1)	P value
			Base-line	Follow-up		
Normally used a soft brush	Test	Males	22.7	61.4	13.47	<0.001
		Females	51.1	70.2	4.27	<0.05
		Partic. last two months	36.7	70.0	4.00	<0.05
		Remainder	37.7	63.9	10.23	<0.01
		Pooled	37.4	65.9	18.38	<0.001
	Control	Males	18.2	18.2	0.00	N.S.
		Females	31.9	29.8	0.00	N.S.
		Pooled	25.3	24.2	0.00	N.S.
Normally used a fluoride paste	Test	Males	40.9	63.6	5.79	<0.05
		Females	51.1	80.9	7.04	<0.01
		Partic. last two months	36.7	70.0	8.10	<0.01
		Remainder	50.8	73.8	6.04	<0.05
		Pooled	46.2	72.5	13.92	<0.001
	Control	Males	34.1	63.6	6.86	<0.01
		Females	63.8	74.5	1.07	N.S.
		Pooled	49.5	69.2	8.03	<0.01
Brushed that morning	Test	Males	75.0	75.0	0.00	N.S.
		Females	95.7	97.9	0.00	N.S.
		Partic. last two months	73.3	80.0	0.17	N.S.
		Remainder	91.8	90.2	0.17	N.S.
		Pooled	85.7	86.8	0.00	N.S.
	Control	Males	70.5	77.3	0.36	N.S.
		Females	97.9	100.0	0.00	N.S.
		Pooled	84.6	89.0	0.75	N.S.

N.S. = not significant

Percentages of test and control subjects practising specified behaviour related to diet and dental care, classified by sex and period of participation in the educational programme

Behaviour	Group	Sub-group	Percentage at		χ^2_M (df=1)	P value
			Base-line	Follow-up		
Did not eat sweets or chocolate on the preceding day	Test	Males	50.0	50.0	0.00	N.S.
		Females	55.3	68.1	1.39	N.S.
		Partic. last two months	63.3	63.3	0.00	N.S.
		Remainder	47.5	57.4	0.96	N.S.
		Pooled	52.7	59.3	0.63	N.S.
	Control	Males	72.7	61.4	0.94	N.S.
		Females	59.6	57.4	0.00	N.S.
		Pooled	65.9	59.3	0.63	N.S.
Visited a dentist (i) in 1974 (base-line) (ii) in 1975 (follow-up)	Test	Males	70.5	54.5	1.71	N.S.
		Females	74.5	72.3	0.00	N.S.
		Partic. last two months	63.3	70.0	0.10	N.S.
		Remainder	77.0	60.7	3.68	N.S.
		Pooled	72.5	63.7	1.53	N.S.
	Control	Males	65.9	81.8	2.40	N.S.
		Females	83.0	91.5	1.13	N.S.
		Pooled	74.7	86.8	4.35	<0.05

N.S. = not significant

DMF(S) scores for the base-line fluoridation study, as assessed
with and without the use of posterior bite-wing x-rays

Age (yrs.)	Number of subjects	Mean DMF(S)		Percentage increase in score
		Without x-ray findings	With x-ray findings	
6	336	1.61	1.74	8.1
8	346	4.02	4.74	17.9
10	337	7.24	8.32	14.9
12	336	12.16	14.60	20.1
14	333	17.49	22.02	25.9
16	338	21.58	26.87	24.5

Percentages of amalgam restorations which included more than one surface, as related to the extent of exposure of x-rays*

Number of x-rays per operator per day	The percentage of amalgams covering >1 surface
0.5	52.3
0.5 (0.6)	54.7 (58.6)
0.7	68.8
1.0	61.7
1.1 (1.1)	63.0 (63.1)
1.1	64.5
1.2	53.1
1.7 (1.6)	72.1 (68.1)
2.0	79.1

*...Means of scores in brackets

Mean DMF(T) scores for subjects classified by the availability of sweets at their school canteen

Age (yrs.)	Canteen-sweets restricted		Canteen-sweets not restricted		Percentage difference*
	Number of subjects	DMF(T)	Number of subjects	DMF(T)	
8	31	2.23	31	3.35	50.2
9	24	3.21	24	4.33	34.9
10	37	3.70	37	4.38	18.4
11	45	4.78	45	5.16	7.9
12	43	6.67	43	8.02	20.2

*...Percentage increase evident in scores where sweets are not restricted in the school canteen

Mean DMF scores for subjects classified by their frequency of use of the school canteen

Age-sex (yrs)	Number of subjects		DMF(T)			DMF(S)		
	Infrequ. users*	Frequ. users*	Infrequ. users*	Frequ. users*	% diff.**	Infrequ. users*	Frequ. users*	% diff.**
14 M	85	80	6.68	7.90	18.3	10.18	12.68	24.6
14 F	96	75	6.63	8.08	21.9	10.16	10.68	5.1
16 M	79	76	8.30	9.32	12.3	13.41	15.86	18.3
16 F	92	74	8.59	9.00	4.8	15.28	15.89	4.0

*...Frequent users - generally use the canteen three days a week or more often

...Infrequent users - generally use the canteen less often than three days a week

**...Percentage increase evident in scores where the canteen is used frequently

Schools classified by the nature of their canteens
and school type*

Canteen type	School type				Total
	Private	Gov. secondary	Gov. secondary (technical)	Gov. primary	
Sells sweets	4 (2,451)	12 (15,019)	6 (3,143)	5 (3,142)	27 (23,755)
Does not sell sweets	6 (3,271)	8 (7,072)	3 (1,399)	5 (3,763)	22 (15,505)

*...Associated numbers of students in brackets

Gross income and profit from sales, expressed in dollars per student,
for canteens classified by the sale of sweets and school type

School type	Gross income			Profit		
	Canteens with sweets	Canteens without sweets	% diff.*	Canteens with sweets	Canteens without sweets	% diff.*
Private	19.66	18.38	+ 7.0	4.28	4.08	+ 4.9
Gov. secondary	20.56	23.03	-10.7	4.09	6.01	-31.9
Gov. secondary (technical)	21.79	18.09	+20.5	4.06	3.81	+ 6.6
Gov. primary	13.01	11.94	+ 9.0	3.20	2.78	+15.1
Mean	18.76	17.86	+ 5.0	3.91	4.17	- 6.2

*...Difference in scores for canteens with sweets from the remainder

Percentages of canteen expenditure devoted to specified items prior to removing sweets and subsequently

Items	Expenditure prior to removing sweets	Expenditure for one year subsequent to removing sweets
Sweets	24.9	0
Cakes, buns, sweet biscuits	23.7	2.1
Nuts, potato chips, dried fruits, savoury biscuits	4.4	20.3
Pies, pasties, sausage rolls	25.2	38.0
Bread	4.7	5.7
Smallgoods (cheese, sandwich spreads)	6.8	7.7
Milk, ice-cream	4.6	15.8
Carbonated drinks, fruit juice	5.8	9.3
Fruit, carrots	0	1.1
Total	100.0	100.0

Number of subjects studied in the government schools
(subjects in matched samples bracketed)

Age (yrs.)	Type of schools					
	Test (no sweets)			Control		
	Boys	Girls	Total	Boys	Girls	Total
5-6	48 (47)	50 (50)	98 (97)	55 (51)	49 (46)	104 (97)
7	63 (58)	52 (44)	115 (102)	68 (58)	53 (44)	121 (102)
8-9	81 (72)	71 (66)	152 (138)	80 (71)	75 (67)	155 (138)

Number of subjects studied in the private schools
(subjects in the matched samples bracketed)

Age (yrs.)	Type of schools	
	Test (no sweets)	Control
7	20 (16)	20 (16)
8	47 (39)	42 (39)
9	73 (57)	63 (57)
10	73 (62)	69 (62)
11	70 (55)	63 (55)
12	83 (69)	84 (69)
13	26 (16)	32 (16)

Balance of test and control groups after matching

Group	Type of schools					
	Government			Private		
	Number of subjects	DMF(T)*	DMF(S)*	Number of subjects	DMF(T)*	DMF(S)*
Test	337	2.086 ±0.089	2.837 ±0.145	314	4.908 ±0.165	8.882 ±0.363
Control	337	2.003 ±0.086	2.754 ±0.141	314	4.662 ±0.159	8.844 ±0.364
Percentage difference (control from test)		3.979	2.926		5.012	0.428

*...Mean ± standard error

Differences in decay increments in the matched samples in the government schools
(control minus test increments: percentage reductions in brackets)

Age (yrs.)	Number of pairs	DMF(T) [†]	DMF(S) [†]	Prox. [†] DMF(S)	Number of pairs	X-ray prox. [†] DMF(S)
5-6	97	0.227 ±0.232 (7.9)	0.711 ±0.409 (13.7)	0.175 ±0.200 (14.4)	86	0.093 ±0.162 (10.1)
7	102	0.490 ±0.278 (19.3)	1.147* ±0.527 (21.2)	0.324 ±0.330 (18.0)	94	0.234 ±0.220 (19.5)
8-9	138	0.384 ±0.285 (16.4)	0.761 ±0.508 (14.4)	0.145 ±0.258 (8.4)	125	0.056 ±0.205 (4.5)
Pooled	337	0.371* ±0.158 (14.5)	0.864** ±0.287 (16.3)	0.208 ±0.156 (13.0)	305	0.121 ±0.117 (10.7)

[†]...Mean ± standard error

*...p < 0.05: **...p < 0.01

Differences in decay increments in the matched samples in the private schools
(control minus test increments: percentage reductions in brackets)

Age (yrs.)	Number of pairs	DMF(T) [†]	DMF(S) [†]	Prox. [†] DMF(S)	Number of pairs	X-ray prox. [†] DMF(S)
7-9	112	0.545 ±0.313 (21.9)	1.089* ±0.502 (21.8)	0.321 ±0.236 (18.8)	109	0.321 ±0.194 (27.3)
10-11	117	1.325*** ±0.347 (26.6)	2.539*** ±0.721 (27.3)	1.299** ±0.455 (29.0)	114	0.956* ±0.405 (26.6)
12-13	85	1.718*** ±0.460 (31.5)	4.529*** ±1.096 (36.5)	2.082** ±0.677 (32.6)	82	1.183* ±0.536 (24.3)
Pooled	314	1.153*** ±0.213 (27.3)	2.561*** ±0.444 (29.7)	1.162*** ±0.266 (29.0)	305	0.790*** ±0.220 (25.7)

[†] ...Mean ± standard error

*...p < 0.05: **...p < 0.01: ***...p < 0.001

Decay increments in frequent and infrequent users of canteens
in government schools

Age (yrs.)	School type	Use of canteen	Number of subjects	Initial [†] DMF(T)	Initial [†] DMF(S)	Incremental [†] DMF(T)	Incremental [†] DMF(S)
5-6	Control	Frequent	47	0.787 ±0.175	0.894 ±0.200	3.064 ±0.234	5.468 ±0.418
		Infrequent	55	1.018 ±0.188	1.182 ±0.249	2.727 ±0.237	5.091 ±0.423
	Test	Frequent	44	1.000 ±0.203	1.341 ±0.349	2.909 ±0.222	4.864 ±0.370
		Infrequent	52	0.923 ±0.171	0.981 ±0.179	2.269 ±0.279	3.942 ±0.401
7	Control	Frequent	45	2.089 ±0.215	2.911 ±0.401	2.489 ±0.311	4.933 ±0.448
		Infrequent	64	2.031 ±0.188	3.016 ±0.416	2.281 ±0.258	5.063 ±0.485
	Test	Frequent	48	2.229 ±0.248	3.063 ±0.383	2.438 ±0.345	5.063 ±0.628
		Infrequent	67	1.702 ±0.179	2.224 ±0.278	1.776 ±0.160	3.776 ±0.296
8-9	Control	Frequent	57	2.947 ±0.174	4.860 ±0.452	2.632 ±0.347	5.544 ±0.576
		Infrequent	92	3.087 ±0.128	4.609 ±0.277	2.239 ±0.230	5.109 ±0.397
	Test	Frequent	76	2.921 ±0.165	4.145 ±0.304	2.329 ±0.319	5.118 ±0.564
		Infrequent	76	2.895 ±0.167	4.105 ±0.315	1.579 ±0.182	3.816 ±0.441
Pooled	Control	Frequent	149	2.007 ±0.130	3.020 ±0.257	2.725 ±0.178	5.336 ±0.289
		Infrequent	211	2.227 ±0.110	3.232 ±0.209	2.379 ±0.142	5.090 ±0.251
	Test	Frequent	168	2.220 ±0.130	3.101 ±0.216	2.512 ±0.184	5.036 ±0.325
		Infrequent	195	1.959 ±0.116	2.626 ±0.186	1.831 ±0.118	3.836 ±0.226

Control: sweets...Test: no sweets

[†]...Mean ± standard error

Decay increments in frequent and infrequent users of
canteens in private schools

Age (yrs.)	School type	Use of canteen	Number of subjects	Initial [†] DMF(T)	Initial [†] DMF(S)	Incremental [†] DMF(T)	Incremental [†] DMF(S)
7-9	Control	Frequent	84	2.964 ±0.161	5.333 ±0.401	2.452 ±0.253	4.929 ±0.394
		Infrequent	41	2.951 ±0.247	4.951 ±0.531	2.220 ±0.323	4.634 ±0.456
	Test	Frequent	82	3.329 ±0.182	6.049 ±0.468	2.171 ±0.277	3.976 ±0.454
		Infrequent	58	3.293 ±0.191	5.672 ±0.441	1.879 ±0.321	4.172 ±0.582
10-11	Control	Frequent	102	4.686 ±0.240	9.108 ±0.578	4.873 ±0.295	9.431 ±0.690
		Infrequent	30	4.833 ±0.280	9.200 ±0.715	4.633 ±0.568	7.967 ±0.936
	Test	Frequent	86	4.988 ±0.306	9.372 ±0.687	3.605 ±0.311	6.337 ±0.581
		Infrequent	57	4.632 ±0.344	8.175 ±0.763	3.632 ±0.336	6.790 ±0.672
12-13	Control	Frequent	78	7.680 ±0.444	15.205 ±1.051	5.244 ±0.393	12.513 ±0.916
		Infrequent	38	8.158 ±0.684	16.500 ±1.468	5.079 ±0.391	11.658 ±1.094
	Test	Frequent	75	7.373 ±0.482	13.987 ±1.193	3.667 ±0.320	7.840 ±0.770
		Infrequent	34	7.647 ±0.694	13.882 ±1.642	3.588 ±0.447	7.647 ±0.834
Pooled	Control	Frequent	264	5.023 ±0.204	9.708 ±0.468	4.212 ±0.196	8.909 ±0.439
		Infrequent	109	5.284 ±0.341	10.147 ±0.749	3.881 ±0.269	8.000 ±0.565
	Test	Frequent	243	5.165 ±0.220	9.675 ±0.510	3.140 ±0.180	6.004 ±0.363
		Infrequent	149	4.799 ±0.256	8.503 ±0.563	2.940 ±0.216	5.966 ±0.408

Control: sweets...Test: no sweets

[†] ...Mean ± standard error

The sale of sweets in school canteens in 1971

School type	No sweets	Restricted items*	Unrestricted
Private	13(56.5)	5(21.7)	5(21.7)
Gov. secondary	21(35.6)	7(11.9)	31(52.5)
Gov. primary	36(31.9)	32(28.3)	45(39.8)
Total	70(35.9)	44(22.6)	81(41.5)

*...Canteen managers consider that sweets are not sold, but sweetened dried fruits, licorice, cough sweets or chocolates are stocked

The sale of sweets in school canteens in 1973

School type	No sweets	Restricted items*	Unrestricted
Private	8(29.6)	12(44.4)	7(25.9)
Gov. secondary	5(7.9)	28(44.4)	30(47.6)
Gov. primary	18(15.1)	72(60.5)	29(24.4)
Total	31(14.8)	112(53.6)	66(31.6)

*...Canteen managers consider that sweets are not sold, but sweetened dried fruits, licorice, cough sweets or chocolates are stocked

The sale of sweets in school canteens in 1976

School type	No sweets	Restricted items*	Unrestricted
Private	3(13.6)	10(45.5)	9(40.9)
Gov. secondary	2(3.2)	30(47.6)	31(49.2)
Gov. primary	23(15.8)	84(57.5)	39(26.7)
Total	28(12.1)	124(53.7)	79(34.2)

*...Canteen managers consider that sweets are not sold, but sweetened dried fruits, licorice, cough sweets or chocolates are stocked

The sale of sweets in government primary school canteens, classified
by the presence of a school dental clinic

Dental clinic	No sweets	Restricted items*	Unrestricted
No	15(12.4)	68(56.2)	38(31.4)
Yes	8(32.0)	16(64.0)	1(4.0)
Total	23(15.8)	84(57.5)	39(26.7)

*...Canteen managers consider that sweets are not sold, but sweetened dried fruits, licorice, cough sweets or chocolates are stocked

Mean DMF(T), df and m scores for base-line and follow-up surveys*
 (percentage reductions in brackets)

Age (yrs.)	Survey	Number of subjects	DMF(T)	df	m
6	base-line	336	1.27	4.66	3.65
	follow-up	288	0.99 (22.0)	3.44 (26.2)	3.60
8	base-line	346	2.77	4.37	9.62
	follow-up	268	2.35 (15.2)	3.85 (11.9)	8.97
10	base-line	337	4.09	2.88	14.42
	follow-up	275	3.57 (12.7)	2.82 (2.1)	13.82

*...m: number of primary teeth missing for any reason

...Follow-up means weighted to match sex distributions in the base-line

Mean DMF(T) scores for categorized teeth in the base-line and follow-up survey*
(percentage reductions in brackets)

Age (yrs.)	Survey	Number of subjects	DMF(T)			
			First molars	Incisors	Canines, premolars and 2nd molars	Total
6	base-line	336	1.24	0.00	0.00	1.24
	follow-up	288	1.00 (19.4)	0.01 (-)	0.00 (-)	1.00 (19.4)
8	base-line	346	2.65	0.08	0.01	2.74
	follow-up	268	2.24 (15.5)	0.06 (-)	0.02 (-)	2.32 (15.3)
10	base-line	337	3.20	0.40	0.44	4.05
	follow-up	275	2.99 (6.6)	0.16 (60.0)	0.31 (29.5)	3.46 (14.6)

*...Means of mean scores for sex-school specific groups

...Percentages excluded where the scores seem too small for reliable estimates

Numbers of subjects by dental age and sex

Dental age	Sex	Numbers
One	M	33
	F	12
Two	M	297
	F	316
Three	M	57
	F	43
Four	M	237
	F	222
Five	M	400
	F	440
	Total	2,057

Reliability of examination techniques, as indicated
by duplicate examinations of 65 subjects*

Characteristic	Correlation coefficient	p value
Oral debris	0.669	<0.001
Gingival disease	0.884	<0.001
Upper ant. crowd.	0.862	<0.001
Lower ant. crowd.	0.881	<0.001

*...Expressed as Spearman's rank correlation coefficient³⁰⁷

Linear regression coefficients for gingival disease on debris
by segment, dental age and sex[†]

Dental age - sex	Segment					
	Upper right	Upper anterior	Upper left	Lower right	Lower anterior	Lower left
5-F	0.555*** ±0.034	0.769*** ±0.046	0.577*** ±0.036	0.576*** ±0.035	0.662*** ±0.046	0.563*** ±0.034
5-M	0.501*** ±0.030	0.678*** ±0.038	0.534*** ±0.035	0.587*** ±0.039	0.633*** ±0.045	0.561*** ±0.041
4-F	0.487*** ±0.049	0.646*** ±0.061	0.533*** ±0.049	0.618*** ±0.054	0.710*** ±0.076	0.584*** ±0.046
4-M	0.442*** ±0.051	0.574*** ±0.047	0.492*** ±0.052	0.549*** ±0.063	0.524*** ±0.060	0.498*** ±0.054
3-F	0.511*** ±0.081	0.532*** ±0.148	0.459*** ±0.093	0.535*** ±0.124	0.410** ±0.130	0.564*** ±0.148
3-M	0.397*** ±0.091	0.384*** ±0.106	0.512*** ±0.100	0.412** ±0.153	0.603*** ±0.108	0.598*** ±0.138
2-F	0.396*** ±0.039	0.489*** ±0.040	0.460*** ±0.043	0.576*** ±0.051	0.522*** ±0.050	0.606*** ±0.054
2-M	0.430*** ±0.044	0.479*** ±0.046	0.416*** ±0.043	0.571*** ±0.051	0.436*** ±0.055	0.553*** ±0.058
1-F	0.219 ±0.125	0.087 ±0.096	0.500 ±0.263	0.306 ±0.281	-0.006 ±0.273	0.714** ±0.158
1-M	0.561*** ±0.102	0.426*** ±0.055	0.628*** ±0.125	0.700** ±0.228	0.583*** ±0.127	1.049*** ±0.216

[†] ...± standard error

... p < 0.01: *... p < 0.001

Percentages of subjects with crowding by segment,
dental age and sex[†]

Dental age - sex	Segment					
	Upper right	Upper anterior	Upper left	Lower right	Lower anterior	Lower left
5-F	5.9	38.9(6.1)	7.7	10.5	51.8(10.7)	16.6
5-M	6.5	45.3(6.0)	8.3	15.3	58.0(13.5)	20.3
4-F	4.1	42.8(4.1)	4.1	4.5	59.0(11.3)	8.1
4-M	2.1	39.2(3.4)	2.1	3.0	56.1(9.3)	6.8
3-F	0	39.5(7.0)	0	0	53.5(11.6)	0
3-M	0	42.1(14.0)	0	0	54.4(12.3)	0
2-F	0	27.2(5.1)	0.3	0	53.8(12.7)	0
2-M	0	18.5(1.0)	0	0	57.6(14.8)	0
1-F	0	0 (0)	0	0	16.7(0)	0
1-M	0	9.1(3.0)	0	0	36.4(0)	0

[†]...Percentages with anterior crowding \geq 4mm in brackets

Linear regression coefficients for debris on crowding by
segment, dental age and sex[†]

Dental age - sex	Segment					
	Upper right	Upper anterior	Upper left	Lower right	Lower anterior	Lower left
5-F	0.002 ±0.080	0.049*** ±0.010	0.032 ±0.070	0.045 ±0.043	0.022** ±0.008	0.013 ±0.036
5-M	-0.051 ±0.093	0.047*** ±0.012	0.082 ±0.083	0.002 ±0.042	0.025* ±0.010	0.085* ±0.043
4-F	0.148 ±0.136	0.005 ±0.022	0.127 ±0.142	-0.017 ±0.103	0.017 ±0.012	0.180* ±0.085
4-M	0.328 ±0.203	0.073** ±0.027	0.192 ±0.198	-0.006 ±0.131	0.037* ±0.016	0.214** ±0.080
3-F	-	0.051 ±0.039	-	-	0.026 ±0.035	-
3-M	-	0.066 ±0.034	-	-	0.061* ±0.024	-
2-F	-	0.049** ±0.018	-0.589 ±0.570	-	0.033** ±0.012	-
2-M	-	0.085** ±0.026	-	-	0.022 ±0.012	-
1-F	-	-	-	-	0.256* ±0.084	-
1-M	-	0.041 ±0.076	-	-	-0.105 ±0.078	-

[†] ...± standard error

*...p < 0.05: **...p < 0.01: ***...p < 0.001

Linear regression coefficients for gingival disease on crowding by segment, dental age and sex[†]

Dental age - sex	Segment					
	Upper right	Upper anterior	Upper left	Lower right	Lower anterior	Lower left
5-F	-0.011 ±0.072	0.083*** ±0.013	0.127 ±0.066	0.107** ±0.039	0.066*** ±0.009	0.058 ±0.032
5-M	-0.018 ±0.073	0.065*** ±0.012	0.104 ±0.072	0.034 ±0.041	0.053*** ±0.011	0.124** ±0.042
4-F	0.099 ±0.118	0.097*** ±0.023	0.126 ±0.128	0.075 ±0.104	0.058*** ±0.016	0.162* ±0.076
4-M	0.400* ±0.181	0.126*** ±0.024	0.568** ±0.181	0.020 ±0.145	0.100*** ±0.016	0.056 ±0.079
3-F	-	0.142*** ±0.037	-	-	0.036 ±0.033	-
3-M	-	0.087** ±0.028	-	-	0.078** ±0.024	-
2-F	-	0.120*** ±0.014	0.685 ±0.508	-	0.093*** ±0.011	-
2-M	-	0.200*** ±0.022	-	-	0.120*** ±0.010	-
1-F	-	-	-	-	0.003 ±0.101	-
1-M	-	0.024 ±0.040	-	-	-0.046 ±0.073	-

[†]...± standard error

*...p < 0.05: **...p < 0.01: ***...p < 0.001

Prevalence of proximal decay* in the upper anterior segment,
classified by the presence of crowding

Age (yrs.)	Sex	Number of subjects		Positive DMF(S) score	
		Crowding present	Crowding absent	Crowding present	Crowding absent
14	F	58	109	51.7	28.4
	M	75	89	30.7	31.5
16	F	73	98	52.1	35.7
	M	82	86	46.3	26.7

*...Expressed as the percentage of subjects with a positive DMF(S) score for proximal surfaces
of the upper anterior teeth

Prevalence of fractured teeth in the upper anterior segment,
classified by the presence of crowding

Dental age - sex	Number of subjects		Percentage of subjects with fractures	
	Crowding present	Crowding absent	Crowding present	Crowding absent
4-F	95	127	10.5	18.1
4-M	93	144	35.5	31.3
5-F	171	269	13.5	13.0
5-M	181	219	30.4	27.4

Percentages of subjects with overbites and overjets of at least four millimetres by dental age and sex

Dental age - sex	Overbite ≥ 4 mm	Overjet ≥ 4 mm
5-F	28.0	21.6
5-M	33.5	24.5
4-F	41.0	23.9
4-M	47.7	31.2
3-F	32.6	27.9
3-M	36.8	49.1
2-F	15.2	13.9
2-M	18.5	22.9
1-F	25.0	0
1-M	12.1	9.1

Linear regression coefficients for overbite on debris by segment,
dental age and sex[†]

Dental age - sex	Upper anterior	Lower anterior	After accounting ^{††} for crowding ^{††}	
			Upper anterior	Lower anterior
5-F	0.339 ±0.245	0.583* ±0.256	0.386 ±0.255	0.520* ±0.262
5-M	0.118 ±0.197	-0.176 ±0.236	0.075 ±0.199	-0.216 ±0.242
4-F	0.220 ±0.263	-0.002 ±0.326	0.248 ±0.264	0.055 ±0.328
4-M	-0.501* ±0.221	-0.848*** ±0.251	-0.505* ±0.229	-0.853*** ±0.259
3-F	-0.249 ±0.575	-1.159 ±0.650	-0.111 ±0.625	-0.812 ±0.777
3-M	-0.856* ±0.391	-0.760 ±0.432	-0.809 ±0.443	-0.775 ±0.498
2-F	0.345 ±0.217	-0.026 ±0.226	0.195 ±0.220	-0.112 ±0.228
2-M	0.196 ±0.243	-0.256 ±0.235	0.208 ±0.243	-0.323 ±0.234
1-F	0.423 ±2.288	-1.131 ±2.363	0.423 ±2.288	1.708 ±3.366
1-M	-0.039 ±0.650	-0.894 ±0.861	0.111 ±0.740	-0.763 ±0.942

[†] ...± standard error

^{††} ...Coefficients pooled over crowding levels

*...p < 0.05: ***...p < 0.001

Linear regression coefficients for overbite on[†] gingival disease by segment, dental age and sex

Dental age - sex	Upper anterior	Lower anterior	After accounting ^{††} for crowding ^{††}	
			Upper anterior	Lower anterior
5-F	0.152 ±0.201	0.449* ±0.219	0.132 ±0.213	0.335 ±0.238
5-M	-0.058 ±0.196	-0.211 ±0.216	-0.112 ±0.205	-0.265 ±0.228
4-F	-0.172 ±0.234	-0.249 ±0.239	-0.168 ±0.246	-0.196 ±0.249
4-M	-0.162 ±0.242	-0.019 ±0.242	-0.220 ±0.258	-0.075 ±0.267
3-F	0.566 ±0.509	0.824 ±0.710	0.516 ±0.805	0.825 ±0.757
3-M	0.238 ±0.463	0.274 ±0.464	0.310 ±0.541	0.210 ±0.551
2-F	0.748** ±0.253	0.281 ±0.221	0.366 ±0.284	0.121 ±0.247
2-M	0.783** ±0.262	0.324 ±0.226	0.829** ±0.290	-0.011 ±0.271
1-F	5.891 ±6.990	2.463 ±2.656	5.891 ±6.990	2.548 ±2.752
1-M	-0.420 ±1.223	-0.076 ±0.958	-0.227 ±1.364	0.106 ±1.025

[†]...± standard error

^{††}...Coefficients pooled over crowding levels

*...p < 0.05: **...p < 0.01

Linear regression coefficients for overjet[†] on debris by segment,
dental age and sex[†]

Dental age - sex	Upper anterior	Lower anterior	After accounting for crowding ^{††}	
			Upper anterior	Lower anterior
5-F	1.394*** ±0.282	1.520*** ±0.293	1.297*** ±0.291	1.443*** ±0.297
5-M	0.070 ±0.200	0.246 ±0.240	0.035 ±0.202	0.263 ±0.245
4-F	0.632* ±0.320	0.222 ±0.390	0.647* ±0.323	0.332 ±0.394
4-M	0.019 ±0.233	0.158 ±0.268	0.018 ±0.240	0.109 ±0.281
3-F	1.149 ±0.677	1.881* ±0.858	0.771 ±0.692	2.282 ±1.133
3-M	0.326 ±0.671	0.900 ±0.712	0.374 ±0.697	0.944 ±0.842
2-F	0.294 ±0.261	-0.038 ±0.279	0.218 ±0.261	-0.018 ±0.282
2-M	0.266 ±0.279	0.304 ±0.270	0.139 ±0.283	0.217 ±0.271
1-F	0.294 ±0.796	1.428 ±0.660	0.294 ±0.796	2.043* ±0.739
1-M	-0.835 ±0.783	-1.180 ±1.073	-0.886 ±0.895	-1.291 ±1.177

[†] ...± standard error

^{††} ...Coefficients pooled over crowding levels

*...p < 0.05: ***...p < 0.001

Linear regression coefficients for overjet on gingival disease by segment, dental age and sex[†]

Dental age - sex	Upper anterior	Lower anterior	After accounting for crowding ^{††}	
			Upper anterior	Lower anterior
5-F	0.870*** ±0.233	0.817** ±0.257	0.801** ±0.245	0.782** ±0.273
5-M	0.489* ±0.196	0.328 ±0.215	0.467* ±0.204	0.365 ±0.225
4-F	0.290 ±0.289	0.006 ±0.293	0.284 ±0.303	0.085 ±0.308
4-M	0.281 ±0.251	0.428 ±0.250	0.287 ±0.270	0.420 ±0.278
3-F	1.620* ±0.622	0.584 ±1.066	0.893 ±0.935	0.225 ±1.145
3-M	0.641 ±0.788	0.415 ±0.770	0.851 ±0.858	0.529 ±0.922
2-F	0.639* ±0.302	-0.041 ±0.259	0.470 ±0.337	0.107 ±0.290
2-M	0.567 ±0.301	0.494 ±0.259	0.350 ±0.338	0.250 ±0.321
1-F	0.946 ±2.449	-1.110 ±0.869	0.946 ±2.449	-1.401 ±0.747
1-M	-0.675 ±1.508	-0.390 ±1.160	-0.623 ±1.683	-0.543 ±1.253

[†] ...± standard error

^{††} ...Coefficients pooled over crowding levels

*...p < 0.05: **...p < 0.01: ***...p < 0.001

Prevalence of proximal decay* in the upper anterior segment, classified by the presence of at least four units of overbite

Age (yrs.)	Sex	Number of subjects		Positive DMF(S) score	
		Overbite ≥ 4 units	Overbite < 4 units	Overbite ≥ 4 units	Overbite < 4 units
14	F	74	93	36.5	36.6
	M	91	73	31.9	30.1
16	F	86	85	38.4	47.1
	M	80	88	36.3	36.4

*...Expressed as the percentage of subjects with a positive DMF(S) score for proximal surfaces of the upper anterior teeth

Prevalence of proximal decay* in the upper anterior segment, classified by the presence of at least four units of overjet

Age (yrs.)	Sex	Number of subjects		Positive DMF(S) score	
		Overjet ≥4 units	Overjet <4 units	Overjet ≥4 units	Overjet <4 units
14	F	57	110	45.6	31.8
	M	75	89	29.3	32.6
16	F	61	110	50.8	38.2
	M	64	104	40.6	33.7

*...Expressed as the percentage of subjects with a positive DMF(S) score for proximal surfaces of the upper anterior teeth

Prevalence of fractured teeth in the upper anterior segment, classified by the presence of at least four units of overbite

Dental age - sex	Number of subjects		Percentage of subjects with fractures	
	Overbite ≥4 units	Overbite <4 units	Overbite ≥4 units	Overbite <4 units
4-F	134	88	11.9	19.3
4-M	160	77	33.1	32.5
5-F	212	228	13.2	13.2
5-M	209	191	29.7	27.7

Prevalence of fractured teeth in the upper anterior segment, classified by the presence of at least four units of overjet

Dental age - sex	Number of subjects		Percentage of subjects with fractures	
	Overjet >4 units	Overjet <4 units	Overjet >4 units	Overjet <4 units
4-F	100	122	22.0	9.0
4-M	139	98	35.3	29.6
5-F	166	274	16.9	10.9
5-M	178	222	30.9	27.0

Mean proclination scores for subjectively-classified categories
of proclination of the lower incisors

Subjective classification	Number of study casts	Mean proclination score
Most proclined - rated "4"	4	9.1
Somewhat proclined - rated "3"	24	8.6
Upright - rated "2"	45	7.5
Reclined - rated "1"	33	4.0

Percentages of subjects with anterior and posterior crossbites by dental age and sex

Dental age - sex	Anterior crossbite	Posterior crossbite
5-F	7.3	15.7
5-M	8.5	17.3
4-F	6.3	17.6
4-M	6.3	10.5
3-F	9.3	11.6
3-M	8.8	7.0
2-F	14.2	17.1
2-M	8.1	6.4
1-F	8.3	8.3
1-M	6.1	6.1

Percentages of subjects with anterior and posterior
openbites by dental age and sex

Dental age - sex	Anterior openbite	Posterior openbite
5-F	2.7	1.4
5-M	3.3	1.0
4-F	3.2	0.5
4-M	1.3	0.4
3-F	2.3	0.0
3-M	3.5	1.8
2-F	9.2	0.0
2-M	3.0	0.3
1-F	0.0	0.0
1-M	3.0	0.0

Percentages of subjects with acute proclination of
the lower incisors by dental age and sex

Dental age - sex	Number of subjects	Acute proclination*
5-F	426	51.4
5-M	376	55.9
4-F	212	59.4
4-M	226	68.1
3-F	42	57.1
3-M	56	64.3

*...Acute proclination was interpreted as a score of ≥ 8 units

Linear regression coefficients for anterior crossbite on debris by segment, dental age and sex[†]

Dental age - sex	Upper segment	Lower segment	After accounting for crowding ^{††}	
			Upper segment	Lower segment
5-F	-0.021 ±0.120	0.095 ±0.130	-0.048 ±0.123	0.089 ±0.132
5-M	0.113 ±0.075	0.241** ±0.088	0.086 ±0.074	0.240** ±0.089
4-F	-0.075 ±0.092	-0.070 ±0.115	-0.067 ±0.093	-0.063 ±0.128
4-M	0.191* ±0.090	0.236* ±0.102	0.184 ±0.095	0.305* ±0.121
3-F	0.515** ±0.168	0.654*** ±0.174	0.532* ±0.210	0.596* ±0.254
3-M	0.409 ±0.427	0.418 ±0.439	0.237 ±0.611	0.385 ±1.103
2-F	0.023 ±0.071	0.080 ±0.072	0.015 ±0.070	0.085 ±0.076
2-M	-0.296** ±0.113	-0.039 ±0.112	-0.334** ±0.121	-0.021 ±0.114
1-F	-1.363 ±1.542	-0.760 ±1.652	-1.363 ±1.542	-0.624 ±2.555
1-M	-0.179 ±0.138	-0.102 ±0.191	-0.201 ±0.157	-0.187 ±0.284

[†] ...± standard error

^{††} ...Coefficients pooled over crowding levels

*...p < 0.05: **...p < 0.01: ***...p < 0.001

Linear regression coefficients for right posterior crossbite on
debris by segment, dental age and sex[†]

Dental age - sex	Upper segment	Lower segment	After accounting for crowding ^{††}	
			Upper segment	Lower segment
5-F	-0.055 ±0.069	0.102 ±0.089	-0.055 ±0.069	0.100 ±0.089
5-M	-0.007 ±0.057	0.247** ±0.085	-0.003 ±0.056	0.249** ±0.085
4-F	-0.102 ±0.053	0.025 ±0.076	-0.113* ±0.052	0.025 ±0.076
4-M	-0.029 ±0.052	0.193** ±0.072	-0.031 ±0.052	0.194** ±0.074
3-F	0.180 ±0.098	0.397** ±0.123	0.180 ±0.098	0.397** ±0.123
3-M	-0.060 ±0.099	0.158 ±0.139	-0.060 ±0.099	0.158 ±0.139
2-F	-0.159* ±0.063	0.082 ±0.076	-0.159* ±0.063	0.082 ±0.076
2-M	0.055 ±0.037	0.086 ±0.048	0.055 ±0.037	0.086 ±0.048
1-F	-0.609 ±0.521	-0.194 ±0.801	-0.609 ±0.521	-0.194 ±0.801
1-M	-0.136* ±0.066	-0.032 ±0.107	-0.136* ±0.066	-0.032 ±0.107

[†] ... ±standard error

^{††} ...Coefficients pooled over crowding levels

*...p < 0.05: **...p < 0.01

Linear regression coefficients for left posterior crossbite on debris
by segment, dental age and sex[†]

Dental age - sex	Upper segment	Lower segment	After accounting for crowding ^{††}	
			Upper segment	Lower segment
5-F	0.009 ±0.049	0.210** ±0.067	0.007 ±0.049	0.210** ±0.067
5-M	0.011 ±0.045	0.216*** ±0.061	0.009 ±0.045	0.204*** ±0.061
4-F	-0.095 ±0.055	0.024 ±0.071	-0.099 ±0.055	0.023 ±0.072
4-M	-0.013 ±0.035	0.170*** ±0.044	-0.013 ±0.036	0.164*** ±0.045
3-F	-0.035 ±0.075	0.104 ±0.133	-0.035 ±0.075	0.104 ±0.133
3-M	0.073 ±0.044	0.134* ±0.054	0.073 ±0.044	0.134* ±0.054
2-F	0.021 ±0.037	0.044 ±0.047	0.021 ±0.037	0.044 ±0.047
2-M	0.028 ±0.021	0.104*** ±0.028	0.028 ±0.021	0.104*** ±0.028
1-F	-	-	-	-
1-M	-	-	-	-

[†]...± standard error

^{††}...Coefficients pooled over crowding levels

*...p < 0.05: **...p < 0.01: ***...p < 0.001

Linear regression coefficients for anterior crossbite on gingival disease by segment, dental age and sex[†]

Dental age - sex	Upper segment	Lower segment	After accounting for crowding ^{††}	
			Upper segment	Lower segment
5-F	0.050 ±0.091	0.040 ±0.098	-0.004 ±0.096	0.039 ±0.108
5-M	0.206** ±0.075	0.265*** ±0.080	0.145 ±0.077	0.237** ±0.082
4-F	-0.004 ±0.083	-0.077 ±0.085	-0.004 ±0.088	-0.087 ±0.096
4-M	0.140 ±0.094	0.124 ±0.103	0.130 ±0.102	0.197 ±0.127
3-F	0.475*** ±0.124	0.536** ±0.166	0.620** ±0.183	0.557** ±0.181
3-M	0.344 ±0.398	0.799* ±0.351	0.440 ±0.653	1.130 ±0.830
2-F	0.052 ±0.083	0.066 ±0.070	0.015 ±0.090	0.075 ±0.082
2-M	-0.040 ±0.128	0.020 ±0.103	-0.114 ±0.157	0.144 ±0.123
1-F	-2.591 ±4.985	-0.968 ±1.909	-2.591 ±4.985	-1.055 ±2.140
1-M	-0.268 ±0.260	-0.149 ±0.205	-0.284 ±0.292	-0.237 ±0.320

[†]...± standard error

^{††}...Coefficients pooled over crowding levels

*...p < 0.05: **...p < 0.01: ***...p < 0.001

Linear regression coefficients for right posterior crossbite on gingival disease by segment, dental age and sex[†]

Dental age - sex	Upper segment	Lower segment	After accounting for crowding ^{††}	
			Upper segment	Lower segment
5-F	-0.117 ±0.077	0.144 ±0.096	-0.118 ±0.077	0.134 ±0.097
5-M	-0.010 ±0.073	0.314*** ±0.087	-0.007 ±0.072	0.308*** ±0.086
4-F	-0.025 ±0.061	0.150* ±0.074	-0.038 ±0.061	0.149* ±0.075
4-M	-0.035 ±0.058	0.145* ±0.066	-0.038 ±0.059	0.147* ±0.067
3-F	0.495*** ±0.118	0.251 ±0.138	0.495*** ±0.118	0.251 ±0.138
3-M	-0.070 ±0.126	-0.113 ±0.119	-0.070 ±0.126	-0.113 ±0.119
2-F	-0.077 ±0.081	0.162* ±0.071	-0.077 ±0.081	0.162* ±0.071
2-M	0.006 ±0.043	0.044 ±0.046	0.006 ±0.043	0.044 ±0.046
1-F	-2.000 ±1.106	-0.840 ±0.850	-2.000 ±1.106	-0.840 ±0.850
1-M	-0.075 ±0.088	-0.024 ±0.074	-0.075 ±0.088	-0.024 ±0.074

† ...± standard error

†† ...Coefficients pooled over crowding levels

*...p < 0.05: ***...p < 0.001

Linear regression coefficients for left posterior crossbite on gingival disease by segment, dental age and sex[†]

Dental age - sex	Upper segment	Lower segment	After accounting for crowding ^{††}	
			Upper segment	Lower segment
5-F	-0.045 ±0.052	0.227** ±0.075	-0.064 ±0.052	0.222** ±0.075
5-M	0.046 ±0.051	0.286*** ±0.061	0.041 ±0.051	0.272*** ±0.062
4-F	-0.065 ±0.061	0.095 ±0.079	-0.068 ±0.061	0.095 ±0.080
4-M	-0.047 ±0.038	0.125** ±0.046	-0.047 ±0.039	0.121** ±0.046
3-F	0.071 ±0.100	0.107 ±0.120	0.071 ±0.100	0.107 ±0.120
3-M	0.006 ±0.049	0.086 ±0.047	0.006 ±0.049	0.086 ±0.047
2-F	0.026 ±0.041	0.139*** ±0.041	0.027 ±0.041	0.139*** ±0.041
2-M	0.061* ±0.024	0.060* ±0.025	0.061* ±0.024	0.060* ±0.025
1-F	-	-	-	-
1-M	-	-	-	-

[†]...± standard error

^{††}...Coefficients pooled over crowding levels

*...p < 0.05: **...p < 0.01: ***...p < 0.001

Linear regression coefficients for proclination on debris and gingival disease in the lower anterior segment by dental age and sex[†]

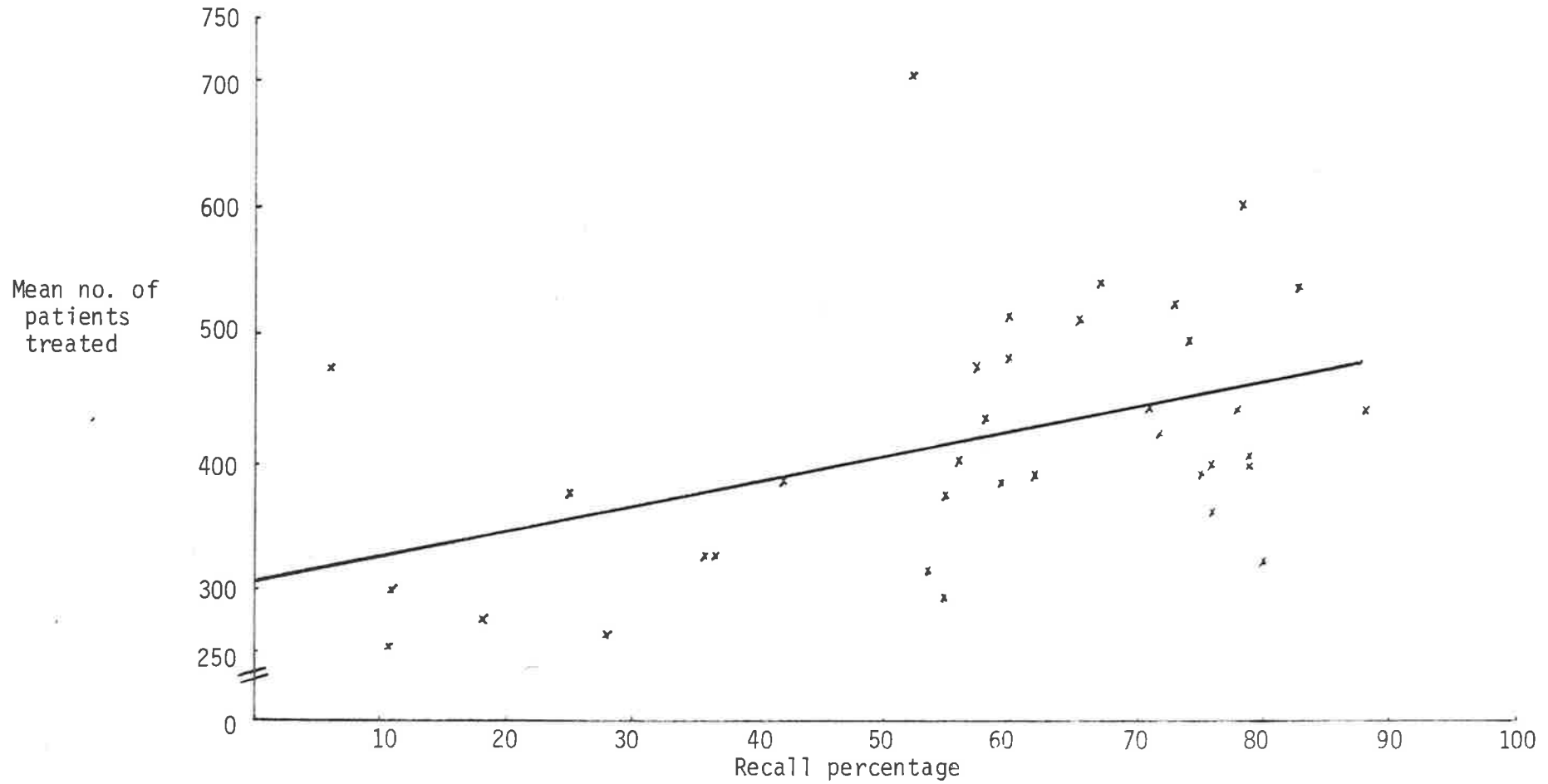
Dental age - sex	Debris	Gingival disease	After accounting for crowding ^{††}	
			Debris	Gingival disease
5-F	0.232 ±0.225	0.272 ±0.190	0.266 ±0.230	0.426* ±0.207
5-M	-0.131 ±0.185	-0.024 ±0.170	-0.067 ±0.186	0.122 ±0.175
4-F	0.263 ±0.269	0.050 ±0.200	0.408 ±0.260	0.264 ±0.201
4-M	-0.175 ±0.197	-0.258 ±0.181	-0.028 ±0.196	0.013 ±0.193
3-F	0.003 ±0.574	0.012 ±0.619	0.388 ±0.627	0.281 ±0.614
3-M	-0.361 ±0.427	-0.693 ±0.423	-0.193 ±0.497	-0.575 ±0.505

[†] ...± standard error

^{††} ...Coefficients pooled over crowding levels

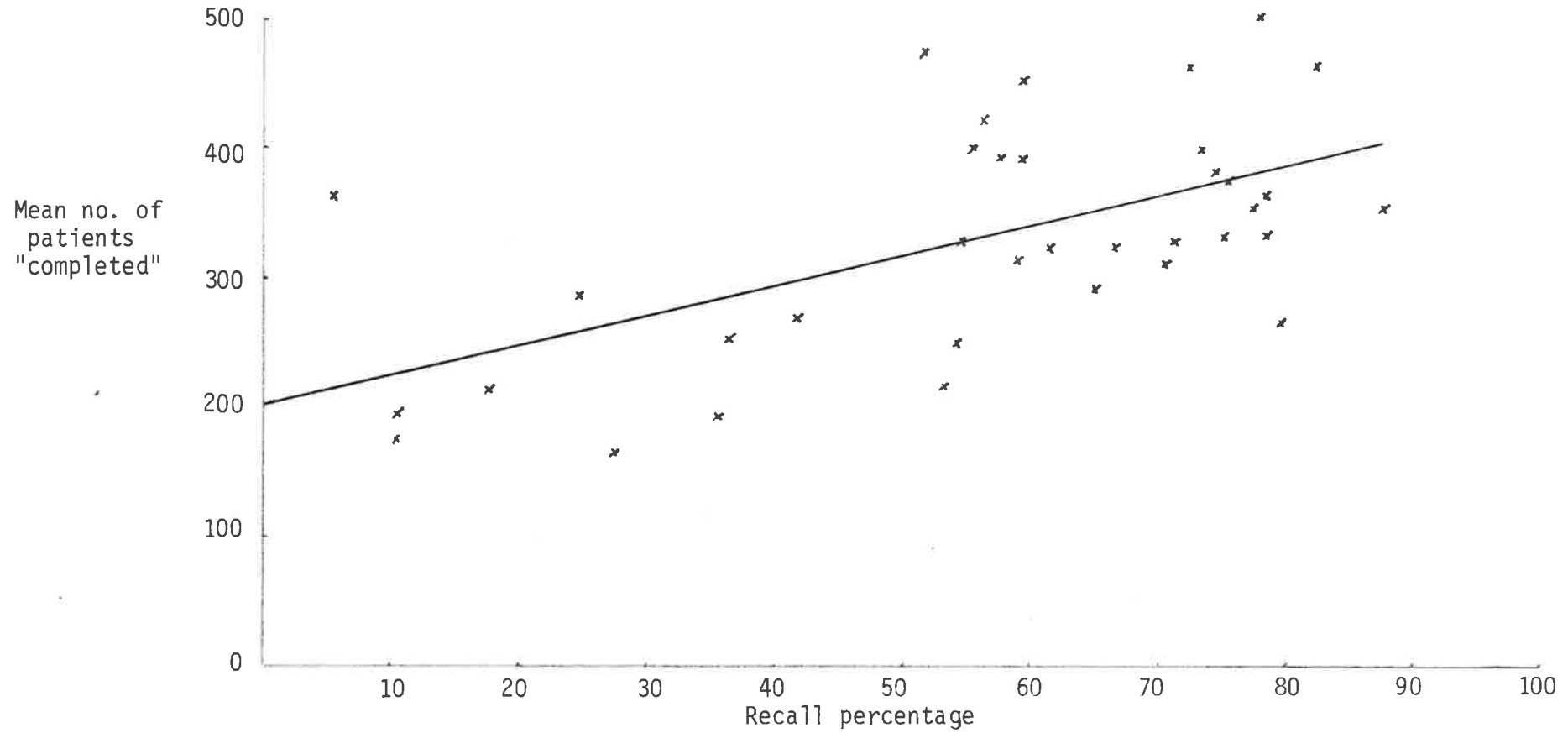
*...p < 0.05

Mean number of patients treated per year per operator plotted against the recall percentage*



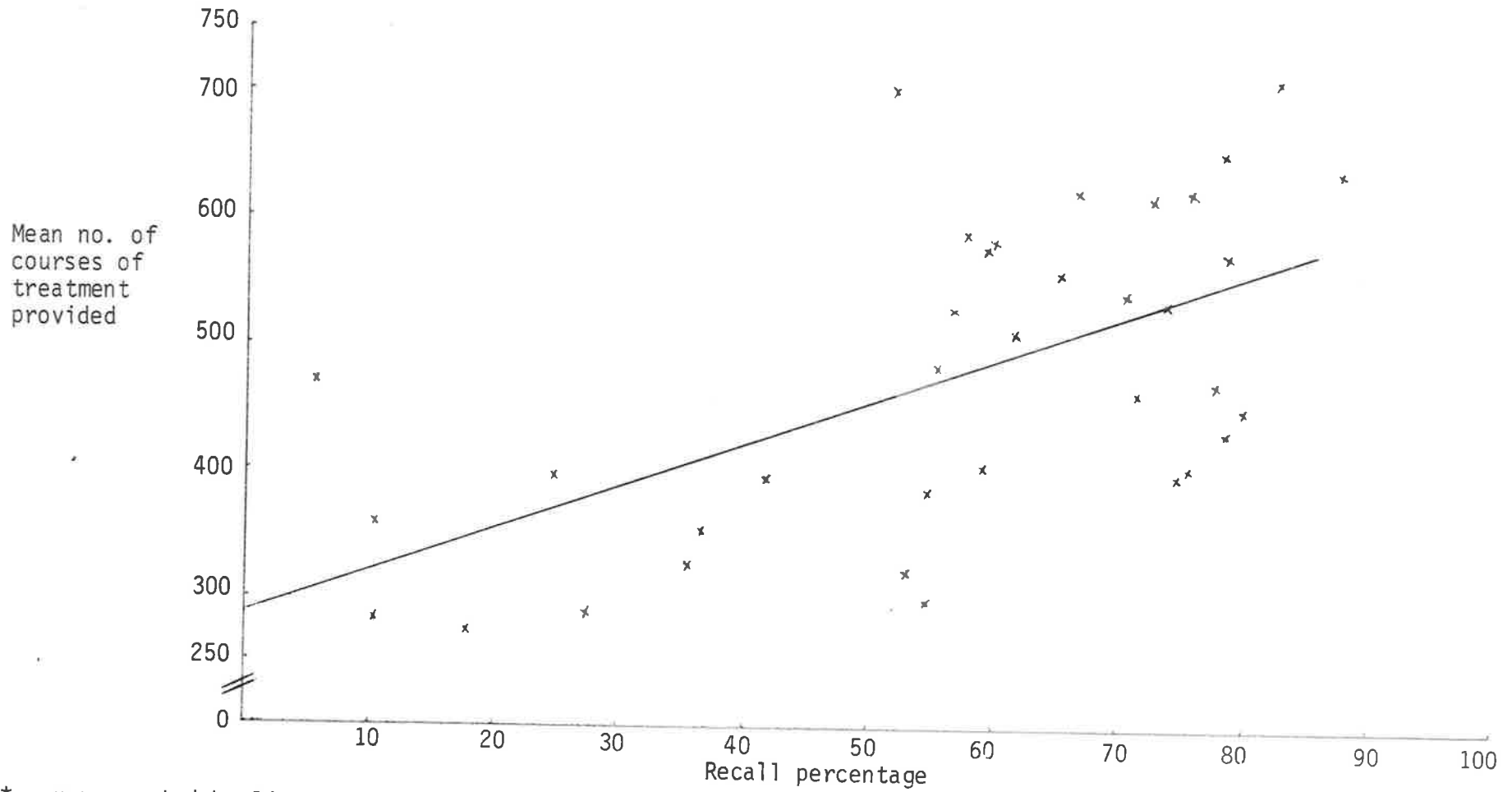
*...represented by linear regression equation: y (patients treated) = $2.0 \times x$ (recall percentage) + 305.0

Mean number of patients receiving a complete course of treatment per year per operator plotted against the recall percentage*



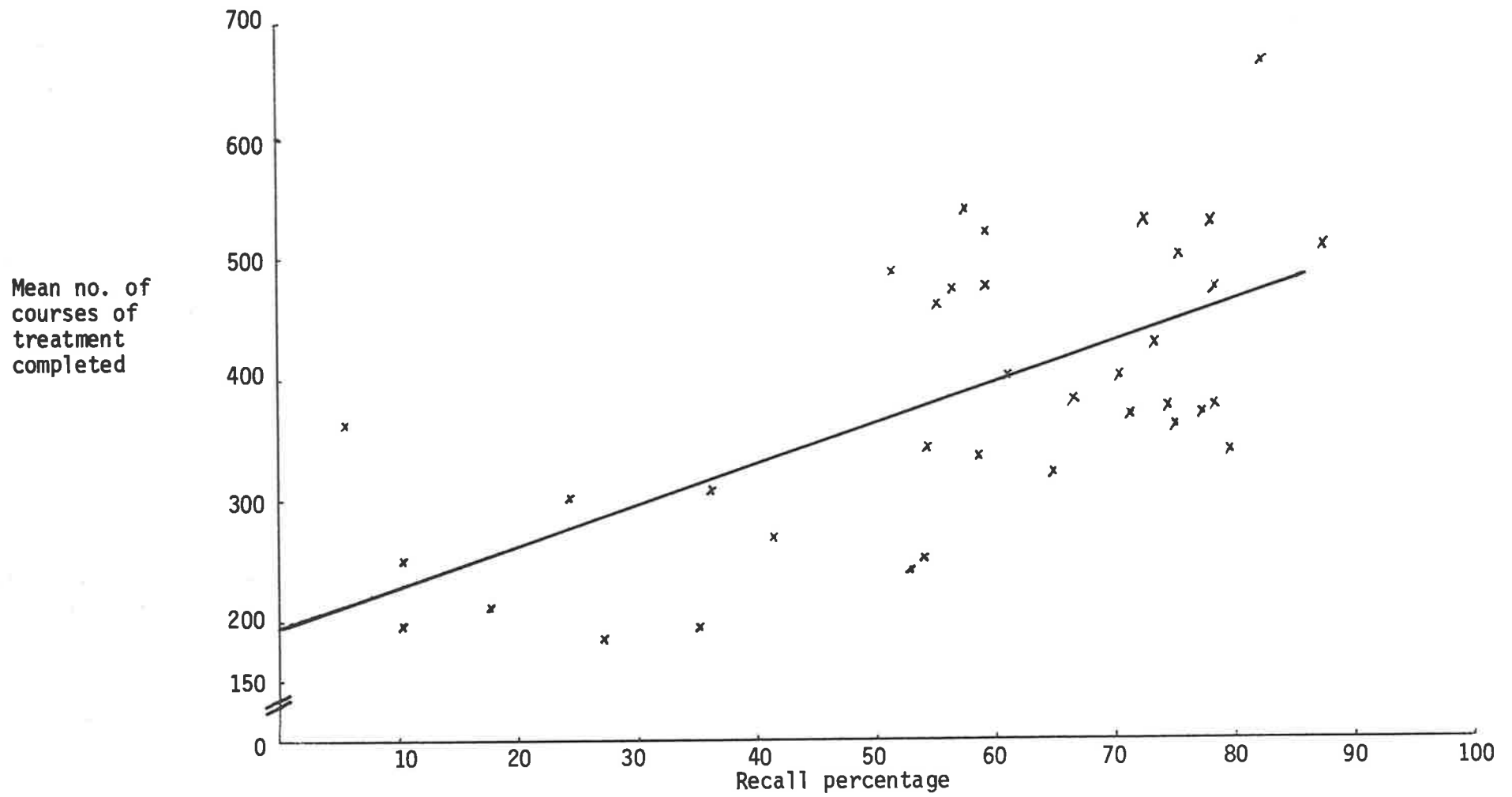
*...represented by linear regression equation: y (patients completed) = $2.3 \times x$ (recall percentage) + 201.5

Mean number of courses of treatment provided per year per operator plotted against the recall percentage*



*...represented by linear regression equation: y (courses of treatment) = $3.4 \times x$ (recall percentage) + 287.8

Mean number of courses of treatment completed per year per operator plotted against the recall percentage*



*...represented by linear regression equation: y (completed courses of treatment) = $3.4 \times x$ (recall percentage) + 194.1

Figure 4

Survey Sheet - Dental Habits

Name of Child

Instructions:

Please place a tick in the correct box.

Example:

I live in Melbourne Canberra Sydney Adelaide

Questions

1. My child has never been away from Adelaide for longer than 3 months at a time

True	<input type="checkbox"/>	I don't know	<input type="checkbox"/>
False	<input type="checkbox"/>	If true, state how long	

2. My child usually drinks

city water	<input type="checkbox"/>	tank water	<input type="checkbox"/>
equal amounts	<input type="checkbox"/>	I don't know	<input type="checkbox"/>

3. My child visits a dentist

six monthly	<input type="checkbox"/>	sometimes	<input type="checkbox"/>
yearly	<input type="checkbox"/>	never	<input type="checkbox"/>

4. My child eats sweets or chocolate

daily	<input type="checkbox"/>	less than once a week	<input type="checkbox"/>
several times a week	<input type="checkbox"/>	never	<input type="checkbox"/>
about once a week	<input type="checkbox"/>	I don't know	<input type="checkbox"/>

5. My child uses a fluoride toothpaste

never	<input type="checkbox"/>	always	<input type="checkbox"/>
sometimes	<input type="checkbox"/>	I don't know	<input type="checkbox"/>

6. For cooking, I normally use

city water	<input type="checkbox"/>	equal amounts of both	<input type="checkbox"/>
tank water	<input type="checkbox"/>	I don't know	<input type="checkbox"/>

7. My child has had fluoride tablets

every day	<input type="checkbox"/>	never	<input type="checkbox"/>
often	<input type="checkbox"/>	I don't know	<input type="checkbox"/>
rarely	<input type="checkbox"/>		

8. My child eats cakes, sweet biscuits or cream buns
- | | | | |
|-------------------|--------------------------|----------------------|--------------------------|
| never | <input type="checkbox"/> | several times a week | <input type="checkbox"/> |
| rarely | <input type="checkbox"/> | daily | <input type="checkbox"/> |
| about once a week | <input type="checkbox"/> | I don't know | <input type="checkbox"/> |

9. My child eats jam or honey
- | | | | |
|----------------------|--------------------------|--------------|--------------------------|
| daily | <input type="checkbox"/> | rarely | <input type="checkbox"/> |
| several times a week | <input type="checkbox"/> | never | <input type="checkbox"/> |
| about once a week | <input type="checkbox"/> | I don't know | <input type="checkbox"/> |

10. My child brushes his/her teeth
- | | | | |
|----------------------|--------------------------|--------------|--------------------------|
| at least twice a day | <input type="checkbox"/> | never | <input type="checkbox"/> |
| daily | <input type="checkbox"/> | I don't know | <input type="checkbox"/> |
| sometimes | <input type="checkbox"/> | | |

11. A dentist has applied fluoride to my child's teeth
- | | | | |
|----------------------|--------------------------|--------------|--------------------------|
| yearly or more often | <input type="checkbox"/> | never | <input type="checkbox"/> |
| sometimes | <input type="checkbox"/> | I don't know | <input type="checkbox"/> |

12. Please state the countries in which you and your husband/wife were born

1.
2.

13. I will probably be willing for my child to be re-examined in two years
- | | | | |
|--------------|--------------------------|-------|--------------------------|
| True | <input type="checkbox"/> | False | <input type="checkbox"/> |
| I don't know | <input type="checkbox"/> | | |

14. (For parents of primary school children only)
- I expect that my child will attend
- | | | | |
|------------------------------|--------------------------|------------------|--------------------------|
| a high school | <input type="checkbox"/> | a private school | <input type="checkbox"/> |
| a technical school
(high) | <input type="checkbox"/> | I don't know | <input type="checkbox"/> |

Please state name of school

15. (For parents of primary school children only)

I expect that my child will complete grade seven
at his/her present school

True

False

I don't know

PLEASE RETURN TO TEACHER

THANK YOU

Dental Health Achievement Test (Grades 6 and 7)

School

Grade

Age

Date

Answer all questions with a tick against the right answer

SAMPLE QUESTIONS

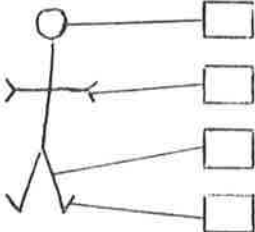
1. Adelaide is the capital of what State in Australia?

- (1) New South Wales
- (2) Tasmania
- (3) Queensland
- (4) South Australia

2. What State of Australia is an island?

- (1) New South Wales
- (2) Tasmania
- (3) Queensland
- (4) South Australia

3. Place the right number in the right square.

- (1) Foot 
- (2) Head
- (3) Leg
- (4) Hand

Be sure that you understand the directions before you start
Do not turn this page until you are told to do so

PART A - Dental Health Practice Test (Grades 6 and 7)

Please answer every question. Your own answers will never be given to anyone in your school.

1. How many toothbrushes do you have?
 - (1) One which I share with another member of my family
 - (2) More than one
 - (3) None
 - (4) One of my own
2. When did you last finish your school lunch with an apple, some carrot or some celery?
 - (1) Within the last week
 - (2) Never
 - (3) Some time ago
 - (4) Today
3. How many lollies or chocolate did you eat yesterday?
 - (1) A bite or two
 - (2) A few pieces
 - (3) Quite a lot
 - (4) None
4. When did you last brush your teeth?
 - (1) When I got up this morning
 - (2) Today, after breakfast or lunch
 - (3) Some time ago
 - (4) I never brush my teeth
5. When did you last go to the dentist?
 - (1) More than one year ago
 - (2) Within the last year
 - (3) Within the last 6 months
 - (4) I have never been to the dentist
6. when do you plan to go to the dentist?
 - (1) Never
 - (2) Within the next six months
 - (3) Within the next year
 - (4) When I have toothache
7. What would you like to eat now?
 - (1) Some chocolate and a bag of lollies
 - (2) Some potato crisps and a bag of assorted nuts
 - (3) None of these

8. Does your toothpaste contain fluoride?
- (1) Yes
 - (2) No
 - (3) I don't know
9. Are you taking good care of your mouth?
- (1) No
 - (2) Yes
 - (3) I don't know
10. Who showed you how to brush your teeth? (tick more than one if necessary)
- (1) a dentist or a dental therapist
 - (2) a teacher
 - (3) a parent
 - (4) another person
 - (5) nobody
11. Do you take your toothbrush to school
- (1) Everyday?
 - (2) Several times a week?
 - (3) Never?
 - (4) Sometimes?

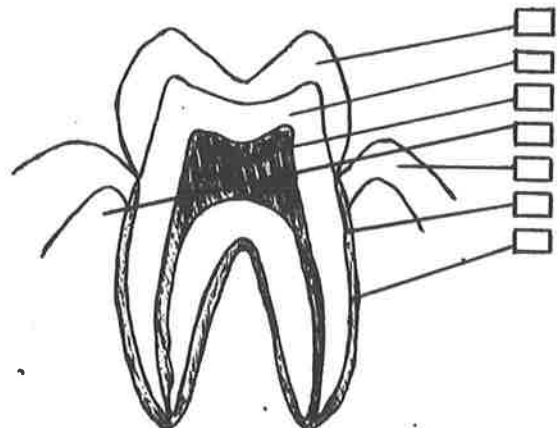
PART B - Dental Health Information Test (Grades 6 and 7)

1. Dental disease is serious in some people because it can cause
 - (1) Skin sores
 - (2) Infections of the lung
 - (3) Kidney disease
 - (4) Infections of the heart
2. Compared to natural teeth, false teeth are
 - (1) Worse, because they don't protect the gums
 - (2) Worse, because they are harder to clean
 - (3) Worse, because they are less attractive and more difficult to eat with
 - (4) As good or better
3. Children mainly lose their teeth due to
 - (1) Diseases of the gums and bone
 - (2) Accidental knocks
 - (3) Dental decay
 - (4) Bad teeth that they get from their parents
4. Older adults mainly lose their teeth due to
 - (1) Diseases of the gums and bone
 - (2) Accidental knocks
 - (3) Dental decay
 - (4) Bad teeth that they get from their parents
5. To prevent tooth decay, people should not eat lots of
 - (1) Sugar
 - (2) Calcium
 - (3) Salt
 - (4) Acid
6. Germs which cause decay turn harmful food into
 - (1) Acid
 - (2) Sugar
 - (3) Calcium
 - (4) Salt
7. Which of the following foods are most harmful to the teeth?
 - (1) Green beans, peas and cabbage
 - (2) Lollies, cake, biscuits, and chocolate
 - (3) Meat, eggs, fish and milk
 - (4) Bread and cereals

8. Foods which cause decay are not as bad if
- (1) Eaten at meal-times
 - (2) Eaten between meals
 - (3) Eaten before going to bed
 - (4) Sucked and not chewed
9. Gum disease starts because
- (1) Drinking water is infected
 - (2) One person catches it from another
 - (3) Children inherit it from their parents
 - (4) Teeth and gums have not been properly brushed
10. Teeth should be cleaned
- (1) Before breakfast
 - (2) After eating
 - (3) Only when the teeth look dirty
 - (4) Only when the teeth are aching
11. What method least helps to clean the mouth?
- (1) Toothbrushing
 - (2) Eating an apple, some carrot or some celery
 - (3) Drinking lemonade
 - (4) Rinsing the mouth with water
12. To prevent decay, fluoridation is
- (1) Effective and safe
 - (2) Too costly to be practicable
 - (3) Harmful to the appearance of teeth
 - (4) Harmful to other parts of the body
13. How long do you think you should keep your natural teeth?
- (1) Until 65 years of age
 - (2) All my life
 - (3) Until 45 years of age
 - (4) Until 25 years of age
14. You should see a dentist
- (1) Every two years
 - (2) Every six months
 - (3) Every year
 - (4) Only when you have to

15. Crowded permanent teeth are often caused by
- (1) Not caring for primary (baby) teeth
 - (2) Germs in the mouth
 - (3) Bad toothbrushing methods
 - (4) Eating hard lollies
16. Primary (baby) teeth
- (1) Only need dental care if they ache
 - (2) Do not decay
 - (3) Do not need dental care at all because they fall out anyhow
 - (4) Need dental care like permanent teeth
17. Which of the following does a dentist not do?
- (1) Fix bad teeth and gums
 - (2) Fill healthy teeth
 - (3) Help to prevent bad teeth and gums
 - (4) Show how you can look after your mouth
18. When you have dental decay
- (1) You may not know unless a dentist shows you
 - (2) You always see the hole
 - (3) Your teeth always ache
 - (4) You always have bad breath
19. Which is least good for your dental health?
- (1) Brushing your teeth with a fluoride toothpaste
 - (2) Eating less sugar
 - (3) Chewing chewing gum
 - (4) Going to the dentist every six months
20. Place the right number in the right square.

- (1) Enamel
- (2) Pulp (or Nerve)
- (3) Dentine
- (4) Bone
- (5) Gum
- (6) Cementum
- (7) Periodontal Membrane



Dental Health Achievement Test (Grades 4 and 5)

School
Grade
Age
Date

Answer all questions with a tick against the right answer

SAMPLE QUESTIONS

1. Adelaide is the capital of what State in Australia?

- (1) New South Wales
- (2) Tasmania
- (3) Queensland
- (4) South Australia

2. What State of Australia is an island?

- (1) New South Wales
- (2) Tasmania
- (3) Queensland
- (4) South Australia

Be sure that you understand the directions before you start

Do not turn this page until you are told to do so

Please answer every question.

1. False teeth are not as good as your teeth because they
 - (1) Cost a lot of money
 - (2) Are not as pretty or as easy to eat with
 - (3) Get dirty more quickly
 - (4) Are harder to clean

2. Which group of foods is most likely to decay your teeth?
 - (1) Bread and breakfast cereal
 - (2) Meat, eggs, fish and milk
 - (3) Green beans, peas and cabbage
 - (4) Lollies, cake, biscuits and chocolate

3. We should brush our teeth
 - (1) When we get up in the morning
 - (2) After we eat
 - (3) Before we go to bed
 - (4) Only after breakfast

4. Fluoride is sometimes put into water to
 - (1) Kill germs
 - (2) Prevent tooth decay
 - (3) Make water taste better
 - (4) Keep our gums healthy

5. You should see your dentist and dental therapist
 - (1) Only if you have toothache
 - (2) Once a year
 - (3) Only if you see a hole in your tooth
 - (4) Twice a year

6. You can best clean your teeth by
 - (1) Eating an apple or some celery and then rinsing with water
 - (2) Rubbing your teeth with your finger
 - (3) Eating a biscuit
 - (4) Drinking lemonade

7. You should have in your mouth
 - (1) Baby teeth only
 - (2) Secondary teeth only
 - (3) Baby teeth and secondary teeth

8. Secondary teeth should last

- (1) About 10 years
- (2) All your life
- (3) About 20 years
- (4) About 30 years

9. Baby teeth

- (1) Never fall out
- (2) Do need care like secondary teeth
- (3) Are not important

10. To prevent tooth decay, some toothpastes contain

- (1) Sugar
- (2) Salt
- (3) Fluoride
- (4) Water

Letter to Teachers

School Dental Service,
49 Hindmarsh Square,
Adelaide, 5000

Dear Teacher,

We will be most grateful if you will help us in assessing the dental health knowledge and practices of South Australian children. The purpose of this programme is to enable the School Dental Service to appreciate what information is most lacking in children and accordingly what type of dental health education is most needed. It is not to check specifically on the children in any one classroom, although if teachers desire it, the results of an individual class will be gathered and forwarded to the teacher requesting it.

We would be most appreciative if teachers will encourage children to answer questions on their dental habits correctly, rather than giving answers which they feel will please the dentist. It is important to note that the child's name will not be placed on the paper. Teachers may have to explain the answering method to children and explain those words which they do not understand. The test for grades six and seven children should last no longer than 30 minutes, and for grades four and five children, no longer than 15 minutes.

We would appreciate your co-operation in this project and any advice which you would like to forward relevant to this test.

Yours sincerely,

David M. Roder
(Dental Officer)

Coding Instructions for Clinical Records

Ortho. Treat

1. No evidence that appliance therapy will be needed.
2. Some evidence that appliance therapy might be needed.
3. Evidence that appliance therapy will be needed, but not sure whether an orthodontist will be necessary for ideal treatment.
4. Appliance therapy will be needed, but an orthodontist will not be necessary for ideal treatment.
5. Appliance therapy will be needed and an orthodontist will be necessary for ideal treatment.

Ortho. Need

1. Need: non-existent or slight to moderate.
2. Need: acute, i.e., patient's social, psychological or physical health would be grossly impaired in the absence of treatment.

Crowding

1. No crowding.
2. Crowding.

Oral Hygiene

Indicate the number of segments with debris.

N.B. There are six segments per mouth, i.e., four posterior to the canines and the remaining two anterior segments (i.e., one upper and one lower).

Debris is regarded as present if soft deposits are clearly seen at the gingival margin of one or more teeth in the segment. The only instrument to be used is a mouth mirror. The soft deposit should be readily visible beyond doubt with the naked eye. No attempt should be made to dry the teeth in an attempt to make soft deposits more readily apparent.

Dental Calculus

Indicate the number of segments with calculus.

Calculus is regarded as present if it is obviously present in contact with the gingival margin on one or more teeth in the segment. Any obvious deposit seen by direct vision or with a mouth mirror is tested with a probe to confirm that it is calcified (nb. only calculus that can be seen by direct vision or with a mouth mirror is scored).

Soft Tissues

1. No gingivitis evident.
2. Gingivitis evident, but only upon close examination. No loss of epithelial attachment (i.e., no pockets).
3. Gingivitis evident at first glance (i.e., definite colour change) or bleeding on digital palpation. No pocket(s).
4. Periodontal pocket(s) with loss of epithelial attachment.

Hypoplasia

1. No hypoplasia.
2. Very mild hypoplasia.
3. Moderate hypoplasia.
4. Severe hypoplasia.

Fractures

1. No fracture.
2. Fracture of the enamel only.
3. Fracture of the enamel and a small exposure of the dentine.
4. Fracture of the enamel and a large exposure of the dentine.
5. Fracture which has exposed the pulp.
6. Fracture of the root.
7. An avulsed tooth.

Tooth Code

1. Sound (not filled).
2. Sound and filled.
3. Decayed (whether filled or not).
4. A defective filling (requires replacement because it broke).
5. Unerupted (also include other missing primary teeth).
6. Known to have been lost for reasons other than decay: for example, as a result of trauma or for orthodontic reasons. If the tooth is known to have been lost and this may have been as a result of decay, place "9". If the tooth is not visible and may be yet to erupt, place "5".
7. To be extracted for decay (pathological reasons).
8. Restored or banded but no history of decay (for example: filled as a result of a fracture of the tooth, or banded for orthodontic reasons).
9. Extracted because of decay.

Clinic No. 61554 ^{last 3 post code digits.}
 Exam Serial No. 156 ---e.g., "50" if 50th exam for year.
 Exam No. 1 -----e.g., "1" if first exam for this child this year; "2" if second...etc.
 Year of Enrolment 76

Birth Date Day Mnth. Yr. 23 7 65
 Exam Date 13 12 76
 Sex 2 ---i.e., M=1 F=2.
 Calculus 0 ---i.e., affected segments.

5 5 5 5 5 5 5 1 5 1
 5 5 5 5 5 5 5 5 5 5

1
 1
 2
 2
 1
 1

Now Complete
 ↓
 Ortho. Treat
 Ortho. Need
 Crowding
 Oral Hygiene (Circle)
 Soft Tissue
 Hypoplasia

Copy of Clinical Data

5 5 5 5 5 5 5 1 5 1
 5 5 5 5 5 5 5 5 5 5
 5 3 1 1 5 1 1 1 1 1 5 3 5
 5 3 1 1 1 1 1 1 1 1 1 1 5
 1 1 1 1

1
 1
 2
 ②
 1
 1

Now Complete
 ↓
 Ortho. Treat
 Ortho. Need
 Crowding
 Oral Hygiene (Circle)
 Soft Tissue
 Hypoplasia

7. (Tick more than one box if necessary)

Dental disease can cause

- (a) skin disease
- (b) heart disease
- (c) bad appearance
- (d) pain
- (e) weak bones
- (f) bad breath
- (g) loss of hair

8. Compared to natural teeth, false teeth are

- (a) worse, because they are harder to clean
- (b) worse, because they aren't as pretty or easy to use
- (c) as good
- (d) I don't know

9. Teeth are usually lost in children due to

- (a) gum disease
- (b) accidental knocks
- (c) bad teeth they get from parents
- (d) decay
- (e) I don't know

10. Baby teeth

- (a) only need care if they ache
- (b) do not decay
- (c) need care like permanent teeth
- (d) I don't know

11. Crooked permanent teeth are often due to

- (a) germs in the mouth
- (b) eating hard lollies
- (c) not caring for baby teeth
- (d) I don't know

12. You should see a dentist

- (a) every 6 months
- (b) every year
- (c) sometimes
- (d) I don't know

13. Teeth should be cleaned
- (a) after eating
 - (b) twice a day
 - (c) once a day
 - (d) sometimes
 - (e) I don't know
14. Which foods are worse for the teeth?
- (a) beans, peas and cabbage
 - (b) lollies, chocolate, cakes and biscuits
 - (c) eggs and meat
 - (d) I don't know
15. You should use
- (a) a toothpaste without fluoride
 - (b) a toothpaste with fluoride
 - (c) either
 - (d) I don't know
16. The best brush to use is
- (a) hard
 - (b) medium
 - (c) soft
 - (d) I don't know
17. I
- (a) like dental visits
 - (b) do not mind dental visits
 - (c) dislike dental visits
18. If I look after my teeth well, I
- (a) will never need false teeth
 - (b) probably will still need false teeth
 - (c) might still need false teeth
 - (d) I don't know

The t-test of Statistical Significance¹⁶⁷

- Symbols :
- (i) \bar{X}_1 = mean for test group
 - (ii) \bar{X}_2 = mean for control group
 - (iii) S_1^2 = variance for test group
 - (iv) S_2^2 = variance for control group
 - (v) n_1 = number of test subjects
 - (vi) n_2 = number of control subjects

Step 1 : Calculate F by dividing the larger variance by the smaller one. The degrees of freedom for the numerator and denominator are the respective n values minus one.

Step 2a : If the F value corresponds to $p \geq 0.05$, estimate the common variance (S_p^2), as follows:

$$S_p^2 = \frac{(n_1-1)S_1^2 + (n_2-1)S_2^2}{n_1 + n_2 - 2}$$

Then calculate t for $(n_1 + n_2 - 2)$ degrees of freedom, as follows:

$$t = \frac{\bar{X}_1 - \bar{X}_2}{\sqrt{S_p^2 \left(\frac{1}{n_1} + \frac{1}{n_2} \right)}}$$

Step 2b : If the F value corresponds to $p < 0.05$, calculate t for degrees of freedom between $(n_1 + n_2 - 2)$ and the smaller n value minus one:

$$t = \frac{\bar{X}_1 - \bar{X}_2}{\sqrt{\frac{S_1^2}{n_1} + \frac{S_2^2}{n_2}}}$$

In practice, the lower estimated degrees of freedom were used, that is, the smaller n value minus one.

Pooling of 2 x 2 Contingency Tables with Test for
Heterogeneity*- Bliss¹⁷⁰

Symbols

- O_{a-g}^{1-4} observed values for tables a to g
- e_{a-g}^{1-4} expected values for tables a to g
- X_m^2 chi-square value for the overall
association with one degree of freedom
- X_{het}^2 chi-square value for heterogeneity
with (g-1) degrees of freedom
- $\sum X_{a-g}^2$ summation of X^2 for tables a to g

Procedure

1. Calculate X^2 for each table: $X^2 = \frac{(O_1 - e_1)^2}{V}$ where

$$\frac{1}{V} = \frac{1}{e_1} + \frac{1}{e_2} + \frac{1}{e_3} + \frac{1}{e_4}$$

2. Calculate $\sum X_{a-g}^2$ by adding the X^2 values for each table from a to g.
3. Calculate X_m^2 (for overall association) as follows:

$$\frac{(O_a^1 + \dots + O_g^1 - e_a^1 \dots - e_g^1)^2}{\sum V} \quad (df=1)$$

where $\sum V$ is the addition of the V values for each table from a to g.

4. Heterogeneity between the tables is tested as follows:

$X_{het}^2 = \sum X_{a-g}^2 - X_m^2$ (df = g-1). Heterogeneity can be taken into account by approximating the p value for X_m^2 as follows:

$$F = \frac{X_m^2 \times (g-1)}{X_{het}^2} \quad (df = \text{one ... numerator} \\ (g-1) \dots \text{denominator})$$

*___Applied as advised by Cellier (see text).

Recording of Services - School Dental Service

Column heading	Instruction
1. Date	
2. Surname plus initials	
3. Time (mins.)	
4. Em.	Signify "1" when patient presents because of pain or with another problem.
5. Exam	
N1	Signify "N" when a child is new to the School Dental Service and is receiving the first examination for the year.
R1	Signify "R" when the child is on recall and is receiving the first examination for the year.
R2	Signify "R" when the child is on recall and is receiving the second examination for the year.
N.B. (i)	A child is classified as a recall patient when you are sure that he/she has received routine attention from the School Dental Service within the past two years.
(ii)	Only the first exam is recorded. A check during or after treatment is not recorded. There is one exception: <u>if treatment is continued after the Christmas holidays, place N1 or R1 at the first appointment after Christmas, irrespective of whether another comprehensive exam is performed or not.</u>
(iii)	Place "1" in the appropriate columns for all appointments.
6. Def.	Place "1" when the exam reveals decay which requires treatment.
7. X-ray	Indicate numbers and types of X-rays.
8. Clg.	Place "T" to indicate a completed prophylaxis and "PT" for an incomplete prophylaxis. If scaling was involved, also place "scaling" under Remarks. If scaling is incomplete, place "part scaling".
9. F.	Place "T" to indicate a completed topical application of fluoride solution and "PT" if the application is incomplete.
10. Polish	Place "T" when the polish is completed, i.e., no further polishing will be required during that course of treatment. Place "PT" when the polish is incomplete.
11. Comp. (1)	Place "1" when the first course of treatment for the year is completed.
Comp. (2)	Place "1" when the second course of treatment for the year is completed.

12. Tooth Filled Indicate tooth and place each tooth on a separate line.

Qualify using the following code:

- 1 = simple (only record if no other restoration is placed on the same surface at that appointment)
e.g. 2 occ. on $\underline{6}/$ = $\underline{6}/(1)$
1 occ. and MO. on $\underline{6}/$ - ignore occlusal.
- 2 = a mesial or distal two-surface filling.
- 3 = a buccal or palatal (lingual) two-surface filling involving an occlusal surface.
- 4 = a direct or indirect pulp capping with Pulp Dent Paste, Ledermix or some other pulp capping agent.
- 5 = a cusp or incisal edge restoration and/or pin(s).
- 6 = adhesive restoration.
- 7 = composite.
- 8 = stainless steel crown.

Examples

Occ. on $\underline{6}/$.	= $\underline{6}/(1)$
Two occ. on $\underline{6}/$.	= $\underline{6}/(1)$
Occ. and buc. on $\underline{6}/$.	= $\underline{6}/(1.1)$
OB. on $\underline{6}/$.	= $\underline{6}/(3)$
Occ. and OP. on $\underline{6}/$.	= $\underline{6}/(3)$
MO. on $\underline{6}/$.	= $\underline{6}/(2)$
MO. and DO. or MOD. on $\underline{6}/$.	= $\underline{6}/(2.2)$
MOP. or MO. and OP. on $\underline{6}/$.	= $\underline{6}/(2.3)$
MO. and P. on $\underline{6}/$.	= $\underline{6}/(2.1)$
MODP. with cusp restored and Pulpdent Paste on $\underline{6}/$.	= $\underline{6}/(2.2.3.4.5)$
Composite: Mes. on $\underline{1}/$.	= $\underline{1}/(1.7)$
Composite: Mesiolabial on $\underline{1}/$.	= $\underline{1}/(2.7)$
Composite: Mesiolabial on $\underline{1}/$ involving incisal edge.	= $\underline{1}/(2.7.5)$
Adhesive restoration of $\underline{1}/$ involving mesial, labial, palatal and incisal edge.	= $\underline{1}/(2.2.5.6)$
Stainless steel crown on \sqrt{E} .	= $\sqrt{E} (8)$

13. Pulp. Treat.

Prim.Pulpot. Indicate tooth, e.g., \underline{E} . Place in day book on one occasion only. For example, if oxpara pellet is placed and removed at the following appointment, record at first appointment only. N.B. Include formocresol treatment of non vital tooth under pulpotomy.

- Perm.Pulpot. Indicate tooth, e.g., /6.
- R.C.T. Indicate tooth when treatment complete, e.g. /4. At other times, indicate "PT" and qualify under remarks.
14. Ext. Indicate tooth in appropriate column. N.B. Heading of column should indicate major reason for the extraction.
15. Temp. Indicate teeth where placed, e.g., /67. A temporary filling is classified as zinc oxide/eugenol or another temporary material placed and restoring the shape of the tooth for any reason, e.g., pain, caries control, to restore a partly prepared cavity etc.
16. L.A. Indicate "1" if used. Place once for an appointment only, i.e., a recording need not be placed adjacent to every tooth that is filled.
17. G.A. Indicate "1" if used.
18. Orth. Refers to orthodontic treatment (appliance therapy). Includes space-maintainers. Indicate "PT" when treatment is incomplete, e.g., impressions, placing or checking an appliance. Place "T" when treatment and immediate checking is complete. "T" is placed when a space-maintainer is cemented, not when it is removed. If more than one appliance is used simultaneously (e.g., a space-maintainer and a removable appliance), they are regarded as part of the one treatment and only one "T" is recorded at the completion of care.
19. Mouth Guard Place "PT" when incomplete and "T" when completed.
20. Misc. Op. Refers to treatment performed in the mouth, but not relevant to other columns. For example, removing sutures, treating ulcers or frenectomies etc. Qualify under Remarks. Place "T".
21. Seal. Indicate the teeth treated by sealant, e.g., 765/.
22. Consult/
D.H. Educ. Refers to verbal communication with patient or parent. Place "1" in the appropriate column.
23. Remarks Used to qualify "PT" or nature of consultation etc., e.g., a discussion with a parent regarding a child's orthodontic status would be recorded as "1" under Consult./D.H. Educ. and could be qualified under Remarks. Signify cancellations which cause a time loss of 15 minutes or more. Indicate when a delay of 15 minutes or more results from other factors.

Selected Estimated Maintenance Costs of Major Equipment
in Field Clinics over 15 Years

Maintenance	Estimated number of requirements	Estimated unit manpower cost (\$)	Estimated unit material cost (\$)	Estimated cost over 15 years (\$)
General painting	5	38.00	11.00	245.00
Air compressor				
- service	60	23.00	-	1,380.00
- replace belt	30	2.00	2.00	120.00
- general overhaul	1	46.00	20.00	66.00
Air conditioner				
- service*	60	-	-	-
- replace filter	15	-	10.00	150.00
Dental chair				
- upholster, oil and service	1	-	62.00	62.00
Plumbing and electric servicing	15	26.00	50.00	1,140.00

* ... Servicing costs included with costs for the air compressor

Estimated Mean Annual Rate of Capital Depreciation
of Clinics and Towage Vehicle

Item	No.	Unit purchasing cost (\$)	Estimated life (years)	Annual depreciation rate (\$)
3-chair static clinic				
- basic structure	15	17,000.00	30	8,500.00
- contents	15	32,712.50	15	32,712.50
2-chair static clinic				
- basic structure	8	13,271.38	30	3,539.03
- contents	8	26,152.96	15	13,948.25
Mobile clinic				
- basic structure and contents	4	20,235.45	15	5,396.12
Towage vehicle	0.8	3,606.35	5.5	524.56

Estimated Mean Annual Maintenance Cost for
Clinics and Towage Vehicle

Item	No.	Estim. unit annual cost (\$)	Annual cost (\$)
Static clinics	23	300.00	6,900.00
Mobile clinics	4	80.00	320.00
Towage vehicle (inc. operat. costs)	0.8	1,610.16	1,288.13

Estimated Mean Annual Rate of Capital Depreciation
of the School of Dental Therapy and Associated
Vehicles

Item	Purchasing cost (\$)	Estimated life (yrs.)	Annual depreciation rate (\$)
Basic building structure	85,000.00 (estim.)	30	2,833.33
Conversion cost and contents	267,724.80	15	17,848.32
School bus	5,588.90	9	844.58
Vehicle	2,012.36	9	
		Total	21,526.23

Cost Standards for Care Provided at the School of
Dental Therapy - July to December, 1972*

Item of care	No.	Fee standards (\$) based on "fee-for-service" schedule			Cost standards (\$) based on "fee-for-service" schedule		
		Schedule one	Schedule two	Schedule three	Schedule one	Schedule two	Schedule three
Exams	46	2.37	2.13	3.90**	109.02	97.98	179.40
Ex. + 2BW.	17	7.75	5.17	8.30	131.75	87.89	141.10
Ex. + Pr.	289	7.75	5.11	7.90	2,239.75	1,476.79	2,283.10
Ex. + Pr. + F.	24	10.92	7.95	9.90	262.08	190.80	237.60
Ex. + 2BW. + Pr.	371	11.13	8.46	12.30	4,129.23	3,138.66	4,563.30
Ex. + 2BW. + Pr. + F.	24	14.30	11.30	14.30	343.20	271.20	343.20
Pr. + F.	733	9.17	7.97	6.00	6,721.61	5,842.01	4,398.00
Pr.	41	6.00	5.13	4.00	246.00	210.33	164.00
X-rays							
(i)(+Ex. + 2BW.)							
one	22	1.50	1.51	1.70	33.00	33.22	37.40
two	12	2.21	2.05	3.40	26.52	24.60	40.80
three	1	2.92	2.59	5.10	2.92	2.59	5.10
four	5	3.63	3.13	6.80	18.15	15.65	34.00
five	2	4.34	3.67	8.50	8.68	7.34	17.00
six	0	5.05	4.21	10.20	0.00	0.00	0.00
(ii)(+Ex.)							
one	11	3.59	1.97	2.70	39.49	21.67	29.70
two	10	5.38	3.04	4.40	53.80	30.40	44.00
three	2	6.88	4.55	6.10	13.76	9.10	12.20
four	4	7.59	5.09	7.80	30.36	20.36	31.20
five	1	8.30	5.63	9.50	8.30	5.63	9.50
six	1	9.01	6.17	11.20	9.01	6.17	11.20

(iii)(loose)								
one	51	4.00	3.39	2.70	204.00	172.89	137.70	
two	101	6.00	5.22	4.40	606.00	527.22	444.40	
three	6	7.50	6.73	6.10	45.00	40.38	36.60	
four	3	8.21	7.27	7.80	24.63	21.81	23.40	
five	0	8.92	7.81	9.50	0.00	0.00	0.00	
six	0	9.63	8.35	11.20	0.00	0.00	0.00	
seven	0	10.34	8.89	12.90	0.00	0.00	0.00	
eight	1	11.05	9.43	14.60	11.05	9.43	14.60	
nine	0	11.76	9.97	16.00	0.00	0.00	0.00	
ten	0	12.47	10.51	16.00	0.00	0.00	0.00	
eleven	0	13.18	11.05	16.00	0.00	0.00	0.00	
twelve	0	13.89	11.59	16.00	0.00	0.00	0.00	
thirteen	0	14.60	12.13	16.00	0.00	0.00	0.00	
fourteen	0	15.31	12.67	16.00	0.00	0.00	0.00	
D.H.E. (15 mins.)	771	5.94	3.97	-	4,579.74	3,060.87	-	
Amalgam - Perm. teeth								
(1)	960	5.80	5.17	5.20	5,568.00	4,963.20	4,992.00	
(1.1)	84	6.70	5.89	5.75	562.80	494.76	483.00	
(1.1.1)	1	7.60	6.61	6.30	7.60	6.61	6.30	
(2)	502	7.60	6.61	6.30	3,815.20	3,318.22	3,162.60	
(2.2)	94	11.00	8.37	8.20	1,034.00	786.78	770.80	
(3)	248	6.70	5.89	5.75	1,661.60	1,460.72	1,426.00	
(3.3)	4	7.60	6.61	6.30	30.40	26.44	25.20	
(1.2)	10	9.30	7.49	7.25	93.00	74.90	72.50	
(1.2.2)	0	11.00	8.37	8.20	0.00	0.00	0.00	
(1.1.2)	0	11.00	8.37	8.20	0.00	0.00	0.00	
(1.1.2.2)	0	11.00	8.37	8.20	0.00	0.00	0.00	
(1.3)	171	7.60	6.61	6.30	1,299.60	1,130.31	1,077.30	
(1.1.3)	2	9.30	7.49	7.25	18.60	14.98	14.50	
(1.3.3)	0	9.30	7.49	7.25	0.00	0.00	0.00	
(2.3)	118	9.30	7.49	7.25	1,097.40	883.82	855.50	

(2.2.3)	17	11.00	8.37	8.20	187.00	142.29	139.40
(2.3.3)	4	11.00	8.37	8.20	44.00	33.48	32.80
(2.2.3.3)	2	11.00	8.37	8.20	22.00	16.74	16.40
(1.2.3)	3	11.00	8.37	8.20	33.00	25.11	24.60
(1.2.2.3)	0	11.00	8.37	8.20	0.00	0.00	0.00
(1.1.2.3)	0	11.00	8.37	8.20	0.00	0.00	0.00
Cusp(s)/Pin(s) - Perm. teeth	21	14.80	13.29	13.29	310.80	279.09	279.09
Silicate - Perm. teeth							
(1) or (2)	88	7.00	5.92	5.80	616.00	520.96	510.40
(1.1) or (1.2)	0	8.09	6.74	11.60	0.00	0.00	0.00
(2.2)	0	8.09	6.74	5.80	0.00	0.00	0.00
(1.1.1) or (1.1.2)	0	9.17	7.57	17.40	0.00	0.00	0.00
(1.2.2)	0	9.17	7.57	11.60	0.00	0.00	0.00
Composite - Perm. teeth							
Ant. teeth							
(1) or (2)	65	7.50	6.62	6.55	487.50	430.30	425.75
(1.1) or (1.2)	6	8.66	7.54	13.10	51.96	45.24	78.60
(2.2)	2	8.66	7.54	6.55	17.32	15.08	13.10
(1.1.1) or (1.1.2)	0	9.83	8.46	19.65	0.00	0.00	0.00
(1.2.2)	0	9.83	8.46	13.10	0.00	0.00	0.00
Incis. edge/Pin(s)	5	12.00	11.00	11.00	60.00	55.00	55.00
Post. teeth							
(1.2.3)	0	11.00	8.37	8.20	0.00	0.00	0.00
(1.2.3.3)	0	11.00	8.37	8.20	0.00	0.00	0.00
(2.2.3.3)	0	11.00	8.37	8.20	0.00	0.00	0.00
Gold - Perm. teeth							
$\frac{3}{4}$ crown (excl. lab.)	3	45.55	30.23	22.84	136.65	90.69	68.52
2-surf. inlay (excl. lab.) indirect	3	41.00	25.81	19.50	123.00	77.43	58.50

3-surf. inlay (excl. lab.)								
indirect	1	41.00	25.81	19.50	41.00	25.81	19.50	
bridge*** (excl. lab.)	1	75.00	48.13	48.13	75.00	48.13	48.13	
Amalgam - Prim. teeth								
(1)	173	5.80	4.15	5.20	1,003.40	717.95	899.60	
(1.1)	5	6.70	4.53	5.75	33.50	22.65	28.75	
(1.1.1)	0	7.60	4.90	6.30	0.00	0.00	0.00	
(2)	840	7.60	4.90	6.30	6,384.00	4,116.00	5,292.00	
(2.2)	216	11.00	5.62	8.20	2,376.00	1,213.92	1,771.20	
(3)	47	6.70	4.53	5.75	314.90	212.91	270.25	
(3.3)	1	7.60	4.90	6.30	7.60	4.90	6.30	
(1.2)	16	9.30	5.26	7.25	148.80	84.16	116.00	
(1.2.2)	1	11.00	5.62	8.20	11.00	5.62	8.20	
(1.1.2)	1	11.00	5.62	8.20	11.00	5.62	8.20	
(1.1.2.2)	0	11.00	5.62	8.20	0.00	0.00	0.00	
(1.3)	18	7.60	4.90	6.30	136.80	88.20	113.40	
(1.1.3)	1	9.30	5.26	7.25	9.30	5.26	7.25	
(2.3)	54	9.30	5.26	7.25	502.20	284.04	391.50	
(2.2.3)	20	11.00	5.62	8.20	220.00	112.40	164.00	
(2.3.3)	2	11.00	5.62	8.20	22.00	11.24	16.40	
(2.2.3.3)	3	11.00	5.62	8.20	33.00	16.86	24.60	
(1.2.3)	4	11.00	5.62	8.20	44.00	22.48	32.80	
(1.2.2.3)	0	11.00	5.62	8.20	0.00	0.00	0.00	
Cusp(s)/Pin(s)/S.S.C. - Prim. teeth	62	14.80	9.68	13.29	917.60	600.16	823.98	
Silicate - Prim. teeth								
(1) or (2)	1	7.00	4.31	5.80	7.00	4.31	5.80	
(1.1)	0	8.09	4.70	11.60	0.00	0.00	0.00	
(1.1.1)	0	9.17	5.09	17.40	0.00	0.00	0.00	

Composite - Prim. teeth								
Ant. teeth								
(1) or (2)	0	7.50	4.82	6.55	0.00	0.00	0.00	0.00
Post. teeth								
(2.3.3)	0	11.00	5.62	8.20	0.00	0.00	0.00	0.00
Extractions - Prim. teeth								
one	167	5.00	3.71	4.65	835.00	619.57	776.55	
two	37	7.00	5.12	7.25	259.00	189.44	268.25	
three	5	9.00	6.53	9.85	45.00	32.65	49.25	
four	0	11.00	7.94	12.45	0.00	0.00	0.00	
five	0	13.00	9.35	15.05	0.00	0.00	0.00	
six	0	15.00	10.76	16.70	0.00	0.00	0.00	
seven	0	17.00	12.17	16.70	0.00	0.00	0.00	
eight	0	19.00	13.58	16.70	0.00	0.00	0.00	
nine	0	21.00	13.78	16.70	0.00	0.00	0.00	
twelve	0	23.75	13.78	16.70	0.00	0.00	0.00	
Extractions - Perm. teeth								
one	17	5.00	4.50	4.65	85.00	76.50	79.05	
two	7	7.00	6.33	7.25	49.00	44.31	50.75	
three	2	9.00	8.16	9.85	18.00	16.32	19.70	
four	2	11.00	9.99	12.45	22.00	19.98	24.90	
five	0	13.00	11.82	15.05	0.00	0.00	0.00	
six	0	15.00	13.65	16.70	0.00	0.00	0.00	
seven	0	17.00	15.48	16.70	0.00	0.00	0.00	
eight	0	19.00	17.31	16.70	0.00	0.00	0.00	
twenty-three	0	35.50	27.12	29.25	0.00	0.00	0.00	
Extractions - Perm./Prim. teeth								
1 perm./1 prim.	3	7.00	5.54	7.25	21.00	16.62	21.75	
1 perm./2 prim.	3	9.00	6.95	9.85	27.00	20.85	29.55	
1 perm./3 prim.	0	11.00	8.36	12.45	0.00	0.00	0.00	
1 perm./4 prim.	0	13.00	9.77	15.05	0.00	0.00	0.00	

2 perm./1 prim.	0	9.00	7.37	9.85	0.00	0.00	0.00
2 perm./2 prim.	0	11.00	8.78	12.45	0.00	0.00	0.00
Endodontics							
(i) Root canal therapy							
Ant. teeth	2	35.00	24.50	22.50	70.00	49.00	45.00
Premolars (1 canal)	0	39.00	27.04	27.04	0.00	0.00	0.00
Premolars (2 canals)	0	47.50	31.89	31.89	0.00	0.00	0.00
Molars	0	71.25	40.92	40.92	0.00	0.00	0.00
(ii) Pulpotomy							
Prim. teeth	95	3.96	3.55	4.45	376.20	337.25	422.75
Perm. teeth	0	3.96	3.55	4.45	0.00	0.00	0.00
Prostodontics							
Full dent. (1) (excl. lab.)	0	47.50	37.65	38.48	0.00	0.00	0.00
Full dent. (2) (excl. lab.)	0	71.00	65.12	76.00	0.00	0.00	0.00
Part. dent. (1)	0	61.50	51.19	38.30	0.00	0.00	0.00
Part. dent. (2) (excl. lab.)	0	75.30	54.68	28.90	0.00	0.00	0.00
Repairs							
(inc. lab.)	0	7.80	6.39	6.39	0.00	0.00	0.00
(no lab.)	0	3.75	3.14	3.14	0.00	0.00	0.00
Mouth guards	0	10.74	9.64	9.64	0.00	0.00	0.00

Orthodontics (Remov. appl. or space maint.)	12	18.38	16.50	16.50	220.56	198.00	198.00
Temporary dressings							
one	531	3.50	3.14	2.35	1,858.50	1,667.34	1,247.85
two	53	4.90	4.42	4.70	259.70	234.26	249.10
three	6	6.30	5.70	7.05	37.80	34.20	42.30
four	4	7.70	6.98	9.40	30.80	27.92	37.60
five	3	9.10	8.26	11.75	27.30	24.78	35.25
six	0	10.50	9.54	14.10	0.00	0.00	0.00
seven	1	11.90	10.82	16.45	11.90	10.82	16.45
eight	1	13.30	12.10	18.80	13.30	12.10	18.80
Misc. Op.	28	1.98	1.78	1.78	55.44	49.84	49.84

*...Interpretation of treatment codes - see Appendix 5.8

**...Includes dental health education

***...Bridge included one two-surface inlay, two three-surface inlays and one pontic

Cost Standards for Care Provided Through Teams of Dentists
and Therapists - July to December, 1972*

Item of care	No.	Fee standards (\$) based on "fee-for-service" schedule			Cost standards (\$) based on "fee-for-service" schedule		
		Schedule one	Schedule two	Schedule three	Schedule one	Schedule two	Schedule three
Exams	5,820	2.37	2.13	3.90**	13,793.40	12,396.60	22,698.00
Ex. + 2BW.	712	7.75	5.17	8.30	5,518.00	3,681.04	5,909.60
Ex. + Pr.	2,581	7.75	5.11	7.90	20,002.75	13,188.91	20,389.90
Ex. + Pr. + F.	348	10.92	7.95	9.90	3,800.16	2,766.60	3,445.20
Ex. + 2BW. + Pr.	0	11.13	8.46	12.30	0.00	0.00	0.00
Ex. + 2BW. + Pr. + F.	1,492	14.30	11.30	14.30	21,335.60	16,859.60	21,335.60
Pr. + F.	6,175	9.17	7.97	6.00	56,624.75	49,214.75	37,050.00
Pr.	0	6.00	5.13	4.00	0.00	0.00	0.00
X-rays							
(i)(+Ex. + 2BW.)							
one	11	1.50	1.51	1.70	16.50	16.61	18.70
two	15	2.21	2.05	3.40	33.15	30.75	51.00
three	1	2.92	2.59	5.10	2.92	2.59	5.10
four	1	3.63	3.13	6.80	3.63	3.13	6.80
five	0	4.34	3.67	8.50	0.00	0.00	0.00
six	0	5.05	4.21	10.20	0.00	0.00	0.00
(ii)(+Ex.)							
one	54	3.59	1.97	2.70	193.86	106.38	145.80
two	51	5.38	3.04	4.40	274.38	155.04	224.40
three	19	6.88	4.55	6.10	130.72	86.45	115.90
four	7	7.59	5.09	7.80	53.13	35.63	54.60
five	0	8.30	5.63	9.50	0.00	0.00	0.00
six	0	9.01	6.17	11.20	0.00	0.00	0.00

(iii)(loose)								
one	444	4.00	3.39	2.70	1,776.00	1,505.16	1,198.80	
two	564	6.00	5.22	4.40	3,384.00	2,944.08	2,481.60	
three	74	7.50	6.73	6.10	555.00	498.02	451.40	
four	92	8.21	7.27	7.80	755.32	668.84	717.60	
five	9	8.92	7.81	9.50	80.28	70.29	85.50	
six	15	9.63	8.35	11.20	144.45	125.25	168.00	
seven	2	10.34	8.89	12.90	20.68	17.78	25.80	
eight	3	11.05	9.43	14.60	33.15	28.29	43.80	
nine	0	11.76	9.97	16.00	0.00	0.00	0.00	
ten	12	12.47	10.51	16.00	149.64	126.12	192.00	
eleven	0	13.18	11.05	16.00	0.00	0.00	0.00	
twelve	0	13.89	11.59	16.00	0.00	0.00	0.00	
thirteen	1	14.60	12.13	16.00	14.60	12.13	16.00	
fourteen	1	15.31	12.67	16.00	15.31	12.67	16.00	
D.H.E. (15 mins.)	10,953	5.94	3.97	-	65,060.82	43,483.41	-	
Amalgam - Perm. teeth								
(1)	8,362	5.80	5.17	5.20	48,499.60	43,231.54	43,482.40	
(1.1)	621	6.70	5.89	5.75	4,160.70	3,657.69	3,570.75	
(1.1.1)	15	7.60	6.61	6.30	114.00	99.15	94.50	
(2)	2,182	7.60	6.61	6.30	16,583.20	14,423.02	13,746.60	
(2.2)	231	11.00	8.37	8.20	2,541.00	1,933.47	1,894.20	
(3)	3,792	6.70	5.89	5.75	25,406.40	22,334.88	21,804.00	
(3.3)	82	7.60	6.61	6.30	623.20	542.02	516.60	
(1.2)	83	9.30	7.49	7.25	771.90	621.67	601.75	
(1.2.2)	6	11.00	8.37	8.20	66.00	50.22	49.20	
(1.1.2)	1	11.00	8.37	8.20	11.00	8.37	8.20	
(1.1.2.2)	1	11.00	8.37	8.20	11.00	8.37	8.20	
(1.3)	267	7.60	6.61	6.30	2,029.20	1,764.87	1,682.10	
(1.1.3)	7	9.30	7.49	7.25	65.10	52.43	50.75	
(1.3.3)	3	9.30	7.49	7.25	27.90	22.47	21.75	
(2.3)	1,011	9.30	7.49	7.25	9,402.30	7,572.39	7,329.75	
(2.2.3)	88	11.00	8.37	8.20	968.00	736.56	721.60	
(2.3.3)	49	11.00	8.37	8.20	539.00	410.13	401.80	

(2.2.3.3)	7	11.00	8.37	8.20	77.00	58.59	57.40
(1.2.3)	22	11.00	8.37	8.20	242.00	184.14	180.40
(1.2.2.3)	2	11.00	8.37	8.20	22.00	16.74	16.40
(1.1.2.3)	1	11.00	8.37	8.20	11.00	8.37	8.20
Cusp(s)/Pin(s) - Perm. teeth	454	14.80	13.29	13.29	6,719.20	6,033.66	6,033.66
Silicate - Perm. teeth							
(1) or (2)	1,166	7.00	5.92	5.80	8,162.00	6,902.72	6,762.80
(1.1) or (1.2)	60	8.09	6.74	11.60	485.40	404.40	696.00
(2.2)	47	8.09	6.74	5.80	380.23	316.78	272.60
(1.1.1) or (1.1.2)	1	9.17	7.57	17.40	9.17	7.57	17.40
(1.2.2)	4	9.17	7.57	11.60	36.68	30.28	46.40
Composite - Perm. teeth							
Ant. teeth							
(1) or (2)	397	7.50	6.62	6.55	2,977.50	2,628.14	2,600.35
(1.1) or (1.2)	35	8.66	7.54	13.10	303.10	263.90	458.50
(2.2)	35	8.66	7.54	6.55	303.10	263.90	229.25
(1.1.1) or (1.1.2)	4	9.83	8.46	19.65	39.32	33.84	78.60
(1.2.2)	3	9.83	8.46	13.10	29.49	25.38	39.30
Incis. edge/Pin(s)	150	12.00	11.00	11.00	1,800.00	1,650.00	1,650.00
Post. teeth							
(1.2.3)	1	11.00	8.37	8.20	11.00	8.37	8.20
(1.2.3.3)	1	11.00	8.37	8.20	11.00	8.37	8.20
(2.2.3.3)	2	11.00	8.37	8.20	22.00	16.74	16.40
Gold - Perm. teeth							
$\frac{3}{4}$ crown (excl. lab.)	0	45.55	30.23	22.84	0.00	0.00	0.00
2-surf. inlay (excl. lab.) indirect	0	41.00	25.81	19.50	0.00	0.00	0.00
3-surf. inlay (excl. lab.) indirect	0	41.00	25.81	19.50	0.00	0.00	0.00

bridge (excl. lab.)	0	-	-	-	0.00	0.00	0.00
Amalgam - Prim. teeth							
(1)	2,197	5.80	4.15	5.20	12,742.60	9,117.55	11,424.40
(1.1)	119	6.70	4.53	5.75	797.30	539.07	684.25
(1.1.1)	2	7.60	4.90	6.30	15.20	9.80	12.60
(2)	7,498	7.60	4.90	6.30	56,984.80	36,740.20	47,237.40
(2.2)	1,118	11.00	5.62	8.20	12,298.00	6,283.16	9,167.60
(3)	897	6.70	4.53	5.75	6,009.90	4,063.41	5,157.75
(3.3)	23	7.60	4.90	6.30	174.80	112.70	144.90
(1.2)	103	9.30	5.26	7.25	957.90	541.78	746.75
(1.2.2)	17	11.00	5.62	8.20	187.00	95.54	139.40
(1.1.2)	1	11.00	5.62	8.20	11.00	5.62	8.20
(1.1.2.2)	2	11.00	5.62	8.20	22.00	11.24	16.40
(1.3)	70	7.60	4.90	6.30	532.00	343.00	441.00
(1.1.3)	1	9.30	5.26	7.25	9.30	5.26	7.25
(2.3)	970	9.30	5.26	7.25	9,021.00	5,102.20	7,032.50
(2.2.3)	208	11.00	5.62	8.20	2,288.00	1,168.96	1,705.60
(2.3.3)	42	11.00	5.62	8.20	462.00	236.04	344.40
(2.2.3.3)	20	11.00	5.62	8.20	220.00	112.40	164.00
(1.2.3)	17	11.00	5.62	8.20	187.00	95.54	139.40
(1.2.2.3)	5	11.00	5.62	8.20	55.00	28.10	41.00
Cusp(s)/Pin(s)/S.S.C. - Prim. teeth	495	14.80	9.68	13.29	7,326.00	4,791.60	6,578.55
Silicate - Prim. teeth							
(1) or (2)	3	7.00	4.31	5.80	21.00	12.93	17.40
(1.1)	2	8.09	4.70	11.60	16.18	9.40	23.20
(1.1.1)	2	9.17	5.09	17.40	18.34	10.18	34.80
Composite - Prim. teeth							
Ant. teeth							
(1) or (2)	0	7.50	4.82	6.55	0.00	0.00	0.00
Post. teeth							
(2.3.3)	1	11.00	5.62	8.20	11.00	5.62	8.20

Extractions - Prim. teeth								
one	2,500	5.00	3.71	4.65	12,500.00	9,275.00	11,625.00	
two	466	7.00	5.12	7.25	3,262.00	2,385.92	3,378.50	
three	49	9.00	6.53	9.85	441.00	319.97	482.65	
four	8	11.00	7.94	12.45	88.00	63.52	99.60	
five	2	13.00	9.35	15.05	26.00	18.70	30.10	
six	1	15.00	10.76	16.70	15.00	10.76	16.70	
seven	4	17.00	12.17	16.70	68.00	48.68	66.80	
eight	2	19.00	13.58	16.70	38.00	27.16	33.40	
nine	1	21.00	13.78	16.70	21.00	13.78	16.70	
twelve	2	23.75	13.78	16.70	47.50	27.56	33.40	
Extractions - Perm. teeth								
one	865	5.00	4.50	4.65	4,325.00	3,892.50	4,022.25	
two	55	7.00	6.33	7.25	385.00	348.15	398.75	
three	4	9.00	8.16	9.85	36.00	32.64	39.40	
four	1	11.00	9.99	12.45	11.00	9.99	12.45	
five	1	13.00	11.82	15.05	13.00	11.82	15.05	
six	1	15.00	13.65	16.70	15.00	13.65	16.70	
seven	0	17.00	15.48	16.70	0.00	0.00	0.00	
eight	1	19.00	17.31	16.70	19.00	17.31	16.70	
twenty-three	1	35.50	27.12	29.25	35.50	27.12	29.25	
Extractions - Perm./Prim. teeth								
1 perm./1 prim.	1	7.00	5.54	7.25	7.00	5.54	7.25	
1 perm./2 prim.	8	9.00	6.95	9.85	72.00	55.60	78.80	
1 perm./3 prim.	2	11.00	8.36	12.45	22.00	16.72	24.90	
1 perm./4 prim.	1	13.00	9.77	15.05	13.00	9.77	15.05	
2 perm./1 prim.	4	9.00	7.37	9.85	36.00	29.48	39.40	
2 perm./2 prim.	3	11.00	8.78	12.45	33.00	26.34	37.35	

Endodontics

(i) Root canal therapy

Ant. teeth	39	35.00	24.50	22.50	1,365.00	955.50	877.50
Premolars (1 canal)	1	39.00	27.04	27.04	39.00	27.04	27.04
Premolars (2 canals)	1	47.50	31.89	31.89	47.50	31.89	31.89
Molars	8	71.25	40.92	40.92	570.00	327.36	327.36

(ii) Pulpotomy

Prim. teeth	1,472	3.96	3.55	4.45	5,829.12	5,225.60	6,550.40
Perm. teeth	17	3.96	3.55	4.45	67.32	60.35	75.65

Prosthodontics

Full dent. (1) (excl. lab.)	3	47.50	37.65	38.48	142.50	112.95	115.44
Full dent. (2) (excl. lab.)	23	71.00	65.12	76.00	1,633.00	1,497.76	1,748.00
Part. dent. (1)	5	61.50	51.19	38.30	307.50	255.95	191.50
Part. dent. (2)	2	75.30	54.68	28.90	150.60	109.36	57.80
Repairs (inc. lab.)	11	7.80	6.39	6.39	85.80	70.29	70.29
(no lab.)	3	3.75	3.14	3.14	11.25	9.42	9.42
Mouth guards	4	10.74	9.64	9.64	42.96	38.56	38.56
Orthodontics (Remov. appl. or space maint.)	162	18.38	16.50	16.50	2,977.56	2,673.00	2,673.00

Temporary dressings								
one	1,965	3.50	3.14	2.35	6,877.50	6,170.10	4,617.75	
two	370	4.90	4.42	4.70	1,813.00	1,635.40	1,739.00	
three	58	6.30	5.70	7.05	365.40	330.60	408.90	
four	18	7.70	6.98	9.40	138.60	125.64	169.20	
five	4	9.10	8.26	11.75	36.40	33.04	47.00	
six	1	10.50	9.54	14.10	10.50	9.54	14.10	
seven	0	11.90	10.82	16.45	0.00	0.00	0.00	
eight	1	13.30	12.10	18.80	13.30	12.10	18.80	
Misc. Op.	769	1.98	1.78	1.78	1,522.62	1,368.82	1,368.82	

*...Interpretation of treatment codes - see Appendix 5.8

**...Includes dental health education

Cost Standards for Care Provided Through Solo
Dentists - July to December, 1972*

Item of care	No.	Fee standards (\$) based on "fee-for-service" schedule			Cost standards (\$) based on "fee-for-service" schedule		
		Schedule one	Schedule two	Schedule three	Schedule one	Schedule two	Schedule three
Exams	594	2.37	2.13	3.90**	1,407.78	1,265.22	2,316.60
Ex. + 2BW.	19	7.75	5.17	8.30	147.25	98.23	157.70
Ex. + Pr.	258	7.75	5.11	7.90	1,999.50	1,318.38	2,038.20
Ex. + Pr. + F.	62	10.92	7.95	9.90	677.04	492.90	613.80
Ex. + 2BW. + Pr.	0	11.13	8.46	12.30	0.00	0.00	0.00
Ex. + 2BW. + Pr. + F.	49	14.30	11.30	14.30	700.70	553.70	700.70
Pr. + F.	530	9.17	7.97	6.00	4,860.10	4,224.10	3,180.00
Pr.	0	6.00	5.13	4.00	0.00	0.00	0.00
X-rays							
(i)(+Ex. + 2BW.)							
one	0	1.50	1.51	1.70	0.00	0.00	0.00
two	0	2.21	2.05	3.40	0.00	0.00	0.00
three	0	2.92	2.59	5.10	0.00	0.00	0.00
four	0	3.63	3.13	6.80	0.00	0.00	0.00
five	0	4.34	3.67	8.50	0.00	0.00	0.00
six	0	5.05	4.21	10.20	0.00	0.00	0.00
(ii)(+Ex.)							
one	30	3.59	1.97	2.70	107.70	59.10	81.00
two	3	5.38	3.04	4.40	16.14	9.12	13.20
three	0	6.88	4.55	6.10	0.00	0.00	0.00
four	0	7.59	5.09	7.80	0.00	0.00	0.00
five	0	8.30	5.63	9.50	0.00	0.00	0.00
six	0	9.01	6.17	11.20	0.00	0.00	0.00

(iii)(loose)								
one	35	4.00	3.39	2.70	140.00	118.65	94.50	
two	19	6.00	5.22	4.40	114.00	99.18	83.60	
three	3	7.50	6.73	6.10	22.50	20.19	18.30	
four	1	8.21	7.27	7.80	8.21	7.27	7.80	
five	0	8.92	7.81	9.50	0.00	0.00	0.00	
six	0	9.63	8.35	11.20	0.00	0.00	0.00	
seven	0	10.34	8.89	12.90	0.00	0.00	0.00	
eight	0	11.05	9.43	14.60	0.00	0.00	0.00	
nine	0	11.76	9.97	16.00	0.00	0.00	0.00	
ten	1	12.47	10.51	16.00	12.47	10.51	16.00	
eleven	0	13.18	11.05	16.00	0.00	0.00	0.00	
twelve	0	13.89	11.59	16.00	0.00	0.00	0.00	
thirteen	0	14.60	12.13	16.00	0.00	0.00	0.00	
fourteen	0	15.31	12.67	16.00	0.00	0.00	0.00	
D.H.E. (15 mins.)	982	5.94	3.97	-	5,833.08	3,898.54	-	
Amalgam - Perm. teeth								
(1)	582	5.80	5.17	5.20	3,375.60	3,008.94	3,026.40	
(1.1)	71	6.70	5.89	5.75	475.70	418.19	408.25	
(1.1.1)	0	7.60	6.61	6.30	0.00	0.00	0.00	
(2)	139	7.60	6.61	6.30	1,056.40	918.79	875.70	
(2.2)	15	11.00	8.37	8.20	165.00	125.55	123.00	
(3)	255	6.70	5.89	5.75	1,708.50	1,501.95	1,466.25	
(3.3)	2	7.60	6.61	6.30	15.20	13.22	12.60	
(1.2)	4	9.30	7.49	7.25	37.20	29.96	29.00	
(1.2.2)	0	11.00	8.37	8.20	0.00	0.00	0.00	
(1.1.2)	0	11.00	8.37	8.20	0.00	0.00	0.00	
(1.1.2.2)	0	11.00	8.37	8.20	0.00	0.00	0.00	
(1.3)	65	7.60	6.61	6.30	494.00	429.65	409.50	
(1.1.3)	4	9.30	7.49	7.25	37.20	29.96	29.00	
(1.3.3)	1	9.30	7.49	7.25	9.30	7.49	7.25	
(2.3)	53	9.30	7.49	7.25	492.90	396.97	384.25	
(2.2.3)	10	11.00	8.37	8.20	110.00	83.70	82.00	
(2.3.3)	0	11.00	8.37	8.20	0.00	0.00	0.00	

(2.2.3.3)	0	11.00	8.37	8.20	0.00	0.00	0.00
(1.2.3)	1	11.00	8.37	8.20	11.00	8.37	8.20
(1.2.2.3)	1	11.00	8.37	8.20	11.00	8.37	8.20
(1.1.2.3)	0	11.00	8.37	8.20	0.00	0.00	0.00
Cusp(s)/Pin(s) - Perm. teeth	29	14.80	13.29	13.29	429.20	385.41	385.41
Silicate - Perm. teeth							
(1) or (2)	71	7.00	5.92	5.80	497.00	420.32	411.80
(1.1) or (1.2)	10	8.09	6.74	11.60	80.90	67.40	116.00
(2.2)	0	8.09	6.74	5.80	0.00	0.00	0.00
(1.1.1) or (1.1.2)	0	9.17	7.57	17.40	0.00	0.00	0.00
(1.2.2)	0	9.17	7.57	11.60	0.00	0.00	0.00
Composite - Perm. teeth							
Ant. teeth							
(1) or (2)	34	7.50	6.62	6.55	255.00	225.08	222.70
(1.1) or (1.2)	3	8.66	7.54	13.10	25.98	22.62	39.30
(2.2)	2	8.66	7.54	6.55	17.32	15.08	13.10
(1.1.1) or (1.1.2)	0	9.83	8.46	19.65	0.00	0.00	0.00
(1.2.2)	0	9.83	8.46	13.10	0.00	0.00	0.00
Incis. edge/Pin(s)	8	12.00	11.00	11.00	96.00	88.00	88.00
Post. teeth							
(1.2.3)	0	11.00	8.37	8.20	0.00	0.00	0.00
(1.2.3.3)	0	11.00	8.37	8.20	0.00	0.00	0.00
(2.2.3.3)	0	11.00	8.37	8.20	0.00	0.00	0.00
Gold - Perm. teeth							
$\frac{3}{4}$ crown (excl. lab.)	0	45.55	30.23	22.84	0.00	0.00	0.00
2-surf. inlay (excl. lab.) indirect	0	41.00	25.81	19.50	0.00	0.00	0.00
3-surf. inlay (excl. lab.) indirect	0	41.00	25.81	19.50	0.00	0.00	0.00

bridge (excl. lab.)	0	-	-	-	0.00	0.00	0.00
Amalgam - Prim. teeth							
(1)	259	5.80	4.15	5.20	1,502.20	1,074.85	1,346.80
(1.1)	35	6.70	4.53	5.75	234.50	158.55	201.25
(1.1.1)	2	7.60	4.90	6.30	15.20	9.80	12.60
(2)	725	7.60	4.90	6.30	5,510.00	3,552.50	4,567.50
(2.2)	67	11.00	5.62	8.20	737.00	376.54	549.40
(3)	92	6.70	4.53	5.75	616.40	416.76	529.00
(3.3)	1	7.60	4.90	6.30	7.60	4.90	6.30
(1.2)	28	9.30	5.26	7.25	260.40	147.28	203.00
(1.2.2)	4	11.00	5.62	8.20	44.00	22.48	32.80
(1.1.2)	1	11.00	5.62	8.20	11.00	5.62	8.20
(1.1.2.2)	0	11.00	5.62	8.20	0.00	0.00	0.00
(1.3)	22	7.60	4.90	6.30	167.20	107.80	138.60
(1.1.3)	0	9.30	5.26	7.25	0.00	0.00	0.00
(2.3)	72	9.30	5.26	7.25	669.60	378.72	522.00
(2.2.3)	9	11.00	5.62	8.20	99.00	50.58	73.80
(2.3.3)	3	11.00	5.62	8.20	33.00	16.86	24.60
(2.2.3.3)	0	11.00	5.62	8.20	0.00	0.00	0.00
(1.2.3)	9	11.00	5.62	8.20	99.00	50.58	73.80
(1.2.2.3)	1	11.00	5.62	8.20	11.00	5.62	8.20
Cusp(s)/Pin(s)/S.S.C. - Prim. teeth	54	14.80	9.68	13.29	799.20	522.72	717.66
Silicate - Prim. teeth							
(1) or (2)	3	7.00	4.31	5.80	21.00	12.93	17.40
(1.1)	0	8.09	4.70	11.60	0.00	0.00	0.00
(1.1.1)	0	9.17	5.09	17.40	0.00	0.00	0.00
Composite - Prim. teeth							
Ant. teeth							
(1) or (2)	3	7.50	4.82	6.55	22.50	14.46	19.65
Post. teeth							
(2.3.3)	0	11.00	5.62	8.20	0.00	0.00	0.00

Extractions - Prim. teeth

one	158	5.00	3.71	4.65	790.00	586.18	734.70
two	27	7.00	5.12	7.25	189.00	138.24	195.75
three	7	9.00	6.53	9.85	63.00	45.71	68.95
four	2	11.00	7.94	12.45	22.00	15.88	24.90
five	0	13.00	9.35	15.05	0.00	0.00	0.00
six	0	15.00	10.76	16.70	0.00	0.00	0.00
seven	0	17.00	12.17	16.70	0.00	0.00	0.00
eight	0	19.00	13.58	16.70	0.00	0.00	0.00
nine	0	21.00	13.78	16.70	0.00	0.00	0.00
twelve	0	23.75	13.78	16.70	0.00	0.00	0.00

Extractions - Perm. teeth

one	57	5.00	4.50	4.65	285.00	256.50	265.05
two	10	7.00	6.33	7.25	70.00	63.30	72.50
three	2	9.00	8.16	9.85	18.00	16.32	19.70
four	0	11.00	9.99	12.45	0.00	0.00	0.00
five	0	13.00	11.82	15.05	0.00	0.00	0.00
six	0	15.00	13.65	16.70	0.00	0.00	0.00
seven	0	17.00	15.48	16.70	0.00	0.00	0.00
eight	0	19.00	17.31	16.70	0.00	0.00	0.00
twenty-three	0	35.50	27.12	29.25	0.00	0.00	0.00

Extractions - Perm./Prim.
teeth

1 perm./1 prim.	4	7.00	5.54	7.25	28.00	22.16	29.00
1 perm./2 prim.	0	9.00	6.95	9.85	0.00	0.00	0.00
1 perm./3 prim.	0	11.00	8.36	12.45	0.00	0.00	0.00
1 perm./4 prim.	0	13.00	9.77	15.05	0.00	0.00	0.00
2 perm./1 prim.	0	9.00	7.37	9.85	0.00	0.00	0.00
2 perm./2 prim.	0	11.00	8.78	12.45	0.00	0.00	0.00

Endodontics

(i) Root canal therapy

Ant. teeth	3	35.00	24.50	22.50	105.00	73.50	67.50
Premolars (1 canal)	0	39.00	27.04	27.04	0.00	0.00	0.00
Premolars (2 canals)	0	47.50	31.89	31.89	0.00	0.00	0.00
Molars	0	71.25	40.92	40.92	0.00	0.00	0.00

(ii) Pulpotomy

Prim. teeth	91	3.96	3.55	4.45	360.36	323.05	404.95
Perm. teeth	6	3.96	3.55	4.45	23.76	21.30	26.70

Prosthetic

Full dent. (1)

(excl. lab.)	0	47.50	37.65	38.48	0.00	0.00	0.00
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Full dent. (2)

(excl. lab.)	0	71.00	65.12	76.00	0.00	0.00	0.00
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Part. dent. (1)

	0	61.50	51.19	38.30	0.00	0.00	0.00
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Part. dent. (2)

(excl. lab.)	0	75.30	54.68	28.90	0.00	0.00	0.00
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Repairs

(inc. lab.)	0	7.80	6.39	6.39	0.00	0.00	0.00
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(no lab.)	0	3.75	3.14	3.14	0.00	0.00	0.00
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Mouth guards	1	10.74	9.64	9.64	10.74	9.64	9.64
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Orthodontics

(Remov. appl. or space maint.)	2	18.38	16.50	16.50	36.76	33.00	33.00
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Temporary dressings								
one	45	3.50	3.14	2.35	157.50	141.30	105.75	
two	11	4.90	4.42	4.70	53.90	48.62	51.70	
three	3	6.30	5.70	7.05	18.90	17.10	21.15	
four	4	7.70	6.98	9.40	30.80	27.92	37.60	
five	0	9.10	8.26	11.75	0.00	0.00	0.00	
six	0	10.50	9.54	14.10	0.00	0.00	0.00	
seven	0	11.90	10.82	16.45	0.00	0.00	0.00	
eight	0	13.30	12.10	18.80	0.00	0.00	0.00	
Misc. Op.	95	1.98	1.78	1.78	188.10	169.10	169.10	

*...Interpretation of treatment codes - see Appendix 5.8

**...Includes dental health education

Interpretation of Treatment Code

Treatment Code	Interpretation
Ex.	Examination
B.W.	Bite-wing x-ray
Pr.	Prophylaxis
F.	Topical application of fluoride
D.H.E.	Dental health education
Descriptions of restorations per tooth:	
(i) surface(s) covered and complexity of restoration(s)	See Appendix 5.1
(ii) Cusp(s)/Pin(s)	Cuspal restoration or one supported by at least one pin.
(iii) S.S.C.	Stainless steel crown.
Misc. Op.	Miscellaneous operation. For example, treatment of ulcers, removal of sutures, frenectomy and treatment of hypersensitive areas.

Care Provided at the School of Dental Therapy - 1975

Patients treated:	5,492
Patients new to the School Dental Programme:	4,580 (83.4 per cent)
Patients receiving at least one complete course of treatment:	3,484 (63.4 per cent)
Patients receiving at least two complete courses of treatment:	111 (2.0 per cent)

Numbers of individual services

x-rays:	9,996
prophylaxes:	10,538
topical fluoride applications:	4,939
teeth restored	
- primary:	6,979
- permanent:	6,271
Pulpotomies	
- primary teeth:	618
- permanent teeth:	1
root canal therapies:	51
extractions (primary teeth)	
reason - loose:	215
- path.:	565
- ortho.:	319
extractions (permanent teeth)	
reason - path.:	56
- ortho.:	136
teeth restored with temporary restorations:	6049
general anaesthetics:	0
orthodontic services (appliances):	54
mouth guards:	7
prosthetics:	0
miscellaneous operations:	212
dental health education/consultation	
children	
- individually:	9,062
- in small groups:	51
- in classrooms:	78
adults (inc. parents)	
- individually:	982
- in groups:	3

Annual Salaries of School Dental Staff - June 1975

1.	<u>Dental therapists</u>	<u>Year</u>
	\$5,802	first
	\$6,216	second
	\$6,630	third
	\$6,967	fourth
	\$7,304	fifth
	\$7,641	sixth
	\$7,977	seventh and subsequent
2.	<u>Regional Dentists</u>	<u>Year</u>
	\$14,504	first
	\$15,022	second
	\$15,540	third and subsequent
3.	<u>Field Dentists</u>	<u>Year</u>
	\$ 9,738	first
	\$10,464	second
	\$11,189	third
	\$11,914	fourth
	\$12,639	fifth
	\$13,364	sixth
	\$13,986	seventh and subsequent
4.	<u>Chairside assistants (qualified)</u>	<u>Year</u>
	\$4,869	first
	\$5,180	second
	\$5,491	third
	\$5,802	fourth
	\$6,112	fifth and subsequent

Regional Feedback - Services Provided

Region _____ Breakdown: children - New
 Patients treated _____ adults - Patients -
 Emergencies -

Patients receiving at least one complete course of treatment -

Patients receiving two complete courses of treatment -

Services

X-rays	-	F.D./P.D.**	-
Cleanings	-	Pros. Repairs	-
Fluoride	-	Consult/D.H.E.	-
Filling (prim.)*	-	Child	-
Filling (perm.)*	-	individ.	-
Pulpot. (prim.)	-	sm.gp.	-
Pulpot. (perm.)	-	class	-
R.C.T.	-	Parent	-
Ext. (prim.)	-	individ.	-
loose	-	group	-
path.	-		
ortho.	-		
Ext. (perm.)	-	Adult	-
path.	-	individ.	-
ortho.	-		
Temp.	-		
G.A.	-		
Ortho.	-		
Mth. Guards	-		
Misc. Op.	-		
Sealant	-		
1 F.D.**	-		
2 F.D.**	-		
1 P.D.**	-		
2 P.D.**	-		

<p>Estimated cost of regional service:</p> <p>_____</p> <p>"Fee-for-service" cost standard:</p> <p>_____</p>
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*... Refers to the number of teeth restored

** ... F.D.: Full denture
 P.D.: Partial denture

Region -----

Time period -----

Regional Feedback Summary

Characteristic	Regional performance*	Standard	Characteristic	Regional performance*	Standard
Acceptance rate			Mean oral debris score		
Continuation rate			- New patients		
Canteen rating			- Patients of < 3 yrs.duration		
Estimated cost			- Patients of > 3 yrs.duration		
Patients treated			Mean gingival disease score		
Patients completed once			- New patients		
Patients completed twice			- Patients of < 3 yrs.duration		
Mean teeth with untreated decay			- Patients of > 3 yrs.duration		
- New patients			Tth.(defect.rest.)/total rest.tth.		
- Patients of < 3 yrs. duration			- New patients		
- Patients of > 3 yrs. duration			- Patients of < 3 yrs.duration		
Mean DMF(T)			- Patients of > 3 yrs.duration		
- New patients			Pulpotomies/no. of teeth		
- Patients of < 3 yrs. duration			- New patients		
- Patients of > 3 yrs. duration			- Patients of < 3 yrs.duration		
Mean df			- Patients of > 3 yrs.duration		
- New patients			Mean perm. tth. ext. or to be ext. because of decay		
- Patients of < 3 yrs. duration			- New patients		
- Patients of > 3 yrs. duration			- Patients of < 3 yrs.duration		
			- Patients of > 3 yrs. duration		
			Mean prim. tth. to be ext. because of decay		
			- New patients		
			- Patients of < 3 yrs. duration		
			- Patients of > 3 yrs. duration		

* ... Percentage performance in brackets, where the standard equals 100 per cent and superior behaviour is > 100 per cent.

Linear Regression Model^{167,205}

$$y \text{ (turnover*)} = m \times x \text{ (recall percentage)} + c$$

N.B.

$$m = \frac{\sum xy - \frac{(\sum x)(\sum y)}{n}}{\sum x^2 - \frac{(\sum x)^2}{n}} \quad \dots\dots\dots n = \text{no. of regions}$$

$$c = \frac{(\sum x)(\sum xy) - (\sum y)(\sum x^2)}{(\sum x)^2 - n(\sum x^2)}$$

- * ... mean number of patients treated per year per operator
- ... mean number of patients receiving a complete course of treatment per year per operator
- ... mean number of courses of treatment provided per year per operator
- ... mean number of courses of treatment completed per year per operator

Mean Numbers of Patients Treated, Patients "Completed", Courses of Care, and Completed Courses of Care per Year per Operator by Region, Recall Percentage and Calendar Years*

Calendar years	Region	Full-time operators	Recall percentage	Mean number of			
				patients treated	patients "completed"	courses of treatment	completed courses of treatment
1972-1973	1	4.4	10.2	257.7	172.7	284.5	199.5
	2	5.1	17.9	276.7	212.0	276.7	212.0
	3	6.9	24.7	377.8	288.1	399.0	305.5
	4	4.8	27.5	264.8	163.8	290.8	187.3
	5	8.7	54.4	295.4	250.5	300.7	251.4
	6	6.7	54.6	371.2	330.0	388.2	346.6
	7	3.0	55.3	405.3	404.7	489.7	465.7
	8	9.1	75.1	366.0	330.8	407.7	366.3
	9	5.7	75.6	404.9	377.0	628.6	507.5
	10	2.6	79.8	323.1	266.9	451.9	342.7
	11	6.4	41.7	386.1	270.3	396.1	270.9
	12	8.9	57.4	434.4	394.4	591.9	545.2
	13	5.0	59.0	384.2	315.0	408.6	338.4
	14	7.0	61.5	391.1	323.9	515.9	408.0
	15	4.9	72.5	528.8	465.1	620.0	538.0
	16	3.0	74.7	400.7	380.0	400.7	380.0
	17	2.4	78.3	405.4	332.9	578.3	480.4
	18	8.8	78.3	404.0	362.6	436.7	381.3
1974-1975	19	4.9	65.0	511.0	294.9	560.8	324.3
	20	7.6	53.1	316.1	219.1	322.2	242.6
	21	5.5	59.2	483.8	396.7	584.0	480.7
	22	8.6	77.6	443.0	352.9	472.4	375.9
	23	6.0	59.4	518.2	453.5	587.5	527.5
	24	1.7	82.4	542.9	467.6	718.8	669.4
	25	6.9	36.2	328.0	254.2	355.4	310.4
	26	4.8	66.8	542.1	323.1	628.3	389.2

27	8.9	35.5	329.8	192.6	329.8	196.6
28	6.6	70.4	445.9	311.8	545.6	408.6
29	7.7	73.4	496.5	400.8	538.3	433.8
30	6.4	71.3	424.5	329.7	469.1	376.9
31	4.4	56.8	475.0	425.2	531.6	479.5
32	4.6	78.0	607.8	502.6	659.3	535.4
33	3.4	51.8	702.4	479.7	708.5	491.8
34	2.2	5.9	472.7	362.7	472.7	362.7
35	2.1	87.4	446.7	352.4	643.8	514.8
36	2.2	10.3	300.0	195.9	360.9	250.5

* --- The recall percentages were provided directly by the regional dentists and should be interpreted as approximate only

Paired t-test

(Paired t-test, as applied when comparing differences of treatment plans for staff dentists and therapists from those for regional dentists¹⁶⁷)

Difference between therapist's and regional dentist's treatment plan = x

Difference between staff dentist's and regional dentist's treatment plan = y

$$d = x - y$$

$$\bar{d} \text{ for } n \text{ patients} = \frac{\sum d}{n}$$

$$t = \frac{\bar{d}}{\text{standard error of } d} \quad \text{for } (n-1) \text{ degrees of freedom}$$

Standard error of d

$$= \sqrt{\frac{n \sum d^2 - (\sum d)^2}{n^2(n-1)}}$$

McNemar Test

(McNemar test for comparing dichotomous correlated data in two samples¹⁶⁷)

Number of correlated pairs = n

Number of correlated pairs with a positive score for sample one and a negative score for sample two = c

Number of correlated pairs with a negative score for sample one and a positive score for sample two = d

$$\chi^2_M = \frac{(c-d)^2}{c+d} \quad \text{for one degree of freedom}$$

In this study, a continuity correction was included by reducing the difference between c and d in the numerator by one, to obtain a corrected numerator prior to squaring.

Wilcoxon's Test

(Wilcoxon's matched-pairs signed-ranks test for comparing ordinal correlated data in two samples¹⁶⁷)

Differences between scores for pairs are ranked without regard for sign and by ignoring pairs with zero differences.

Subsequently, the signs for specific differences are assigned to the corresponding ranks.

The sum of the negative ranks is T^- .

The sum of the positive ranks is T^+ .

The number of ranks equals N .

$$\text{Mean } T^- = N(N+1)/4$$

$$X_W^2 = \frac{(T^- - \text{Mean } T^-)^2}{N(N+1)(2N+1)/24} \quad \text{for one degree of freedom}$$

In this study, a continuity correction was included by reducing the difference between T^- and Mean T^- by 0.50, to obtain a corrected numerator prior to squaring.

A. Friedman Test

(The Friedman two-way analysis of variance on ranks, as applied for comparing ordinal correlated data in the three samples¹⁶⁷)

The scores for each child were ranked and a two-way analysis of variance was performed on the ranks.¹⁶⁷

B. Cochran Q Test¹⁶⁷

A positive characteristic was assigned the value of one and absence of this characteristic was treated as zero.

A two-way analysis of variance then was performed on the data.¹⁶⁷

C. Chi-square Test of Homogeneity¹⁶⁷

$$X^2 = \sum \left\{ \frac{(O - T)^2}{T} \right\} \quad \text{for degrees of freedom} = df$$

nb. O = observed value

T = theoretical value

df = (rows - 1) x (columns - 1)

When there is one degree of freedom, a continuity correction is included by reducing the difference between O and T by 0.50, to obtain a corrected numerator prior to squaring.

Questionnaire for Regional Dental Officers
(Place "X" in the appropriate box, where relevant)

1. Do you consider that the level of government re-imbusement for official travel (for dental personnel) is adequate? If not, why? If not, specify adequate levels (if possible).

2. Salaries: How do you consider the following salary scales? If inappropriate, indicate appropriate levels with reasons (if possible).

Salaries For	Don't Know	Approp.	Inapprop.	Levels Considered Approp.	Reasons
R.D.O.					
Therapist					
Chairside Asst.					
Tutor Dent.					
Tutor Ther.					
Sen. Dent. Off.					
Field Dent. (mobile)					
Instrument Technician.					
Dental Technician.					

3. Staff: Indicate how many therapists you feel normally could be directed effectively by one regional dentist in a densely populated area with all but first-grade children on recall. Make separate estimates for a non-fluoridated and fluorided community. Place "?", if no idea.

	Fluoridated	Non-fluoridated
Number of Therapists		

4. Clinic: How do you consider the following features of the clinic? If not ideal, indicate appropriate changes and give reasons (if possible).

Feature	Don't Know	Ideal	Not Ideal	Approp. Changes	Reasons
Overall Design					
Equipment					
Materials					
Position In School					

5. Leave: How do you consider the following types of leave? If inappropriate, indicate appropriate levels with reasons (if possible).

Leave	Don't Know	Approp.	Inapprop.	Levels Considered Approp.	Reasons
Recreation					
Sick					
Long Service					
Maternity (accouchement)					
Without Pay					
Special					

6. How would you describe the role of a R.D.O.? Qualify, if possible!

Qualification

Most interesting

Interesting

Somewhat interesting

Uninteresting

7. Training: How do you rate your training with respect to the following responsibilities of a R.D.O.? Where not ideal, indicate appropriate changes and give reasons (if possible).

Responsibility	Don't Know	Ideal	Not Ideal	Approp. Changes	Reasons
Treatment (inc. orth.)					
Dent. Hlth. Ed.					
Administrat.					
Community Relat.					
Pub. Hlth. Dent. (inc. evaluat.)					
Patient Management					
Clinic Maintenance					

8. Do you consider that therapists should be employed in the following branches of dentistry? Qualify your answer, if desired.

Branch of Dentistry	Don't Know	Yes	No	Qualification
School Dent. Service				
Hospital Dent. Service				
Industrial Clinics				
Private Practice				

9. Therapy Training: How do you rate therapy training with respect to the following responsibilities of a dental therapist? Where not ideal, indicate appropriate changes and give reasons (if possible).

Responsibility	Don't Know	Ideal	Not Ideal	Approp. Changes	Reasons
Dent. Hlth. Ed.					
Proph. & Top. F.					
Chart & Treat. Plan For Incipient Decay					
Infiltrat. Anaesth.					
Inf. Dent. Block Anaesthetic					
Intra-Oral X-ray					
Amalgam Rest. (no cusp)					
Amalgam Rest. (cusp)					
Composite Rest.					
Ext. Prim. Tth.					
Pulpotomies (prim. tth.)					
Impress. For Study Models And Orthodontic Models					
Administration					
Community Relat.					
Equipment Maintenance					
Patient Management					

10. How would you rate the apparent performance of the following staff? Where apparently less than ideal, state specific areas where improvement is indicated (if possible).

Staff	Don't Know	Ideal	Less Than Ideal	Areas Where Improvement Indicated
Professional Administration At Head-Office				
Research Dentist				
Field Dentists (mobile)				
Regional Dentists				
Tutor Therapists				
Tutor Dentists				
Therapists				
Chairside Assts.				
Storeroom Staff				
Staff For Repair And Maintenance Of Dent. Equipment				
Prosthetic Technicians*				

* --- Place "Not applicable", if you do not provide prosthetic services.

11. Do you regard therapists as competent to treat the following age groups? Qualify your answer, if appropriate.

Age Groups	Don't Know	Yes	No	Qualification
Pre-schoolers				
Primary Schoolers				
Secondary School Students				
Adults				

12. Do you consider that R.D.O.'s should assume additional responsibilities? If so, specify those which are appropriate.

13. Do you consider that R.D.O.'s should relinquish certain responsibilities? If so, specify those which should be relinquished.

14. Do you consider that therapists should assume additional responsibilities? If so, specify those which are appropriate.

15. Do you consider that therapists should relinquish certain responsibilities? If so, specify those which should be relinquished.

16. Do you consider that chairside assistants should assume additional responsibilities? If so, specify those which are appropriate.

17. Do you consider that the School Dental Service offers adequate incentives for the following staff to maintain enthusiasm? If not, indicate appropriate changes and give reasons (if possible).

Staff	Don't Know	Adequate	Inadequate	Approp. Changes	Reasons
Reg. Dentists					
Therapists					
Chairside Asst.					
Field Dent. (mobile)					

18. Do you consider that the School Dental Service should provide additional in-service training to selected therapists and chairside assistants so that they can assume additional responsibilities? If so, specify appropriate areas of training and give reasons (if possible).

Staff	Don't Know	No	Yes	Appropriate Areas	Reasons
Therapists					
Chairside Assistants					

19. Indicate areas of extended education (in-service or external) that should be available to selected staff, apart from those areas listed in the previous section. State reasons why, if possible. Place "?", if no idea.

Staff	Education	Reasons
Administration (Prof.)		
Research Dentist		
Regional Dentists		
Tutor Dentists		
Tutor Therapists		
Therapists		
Chairside Assistants		
Field Dentists (mobile)		

20. Rank the following features from 1 to 12, commencing with the most interesting and finishing with the least so. Rank equally, where appropriate. (No. 1 = most interesting; No. 12 = least interesting).

Oral surgery	<input type="checkbox"/>	Orthodontic care	<input type="checkbox"/>	Rest. of fract. incisors	<input type="checkbox"/>
Endodontics	<input type="checkbox"/>	Exodonture	<input type="checkbox"/>	Administration	<input type="checkbox"/>
Dent. hlth. educ.	<input type="checkbox"/>	Proph. & top. fl.	<input type="checkbox"/>	Routine rest. care	<input type="checkbox"/>
Community relations	<input type="checkbox"/>	Examinations	<input type="checkbox"/>	X-rays	<input type="checkbox"/>

21. Which statement best describes the performance of a therapist? Qualify, if possible.

- Inferior to that of a dentist within her scope of responsibility
- Similar to that of a dentist within her scope of responsibility
- Superior to that of a dentist within her scope of responsibility
- I don't know

Qualification

22. Which do you consider to be the appropriate ratio of chairside assistants to therapists? Qualify, if possible.

- One assistant to three therapists
- One assistant to two therapists
- One assistant to one therapist

Qualification

Please state what ratio, if these do not apply, i.e., assistant(s) to therapist(s).

23. How would you rate the satisfaction that you receive from treating the following? Qualify, if possible.*

	Very Satis.	Satis.	Not Satisfying	Qualify
Infant School Students				
Primary School Students				
Pre-schoolers				
The Emotionally Or Physically Handicapped				
Pensioners				

* --- Place "Not applicable", if you do not treat these groups.

24. How would you rate the relationship between the following groups? If somewhat unsatisfactory or most unsatisfactory, indicate in what way and suggest remedies (if possible).

Groups	Don't Know	Satis.	Somewhat Unsatis.	Unsatis.	Manner In Which Unsatis. Or Somewhat Unsatis.	Possible Remedies
R.D.O.-Ther.						
R.D.O.-Ch.Ass.						
Ther.-Ch.Ass.						
Prof. Admin. (Hind. Squ.) - Field Staff						
Tutors (Hind. Squ.)-Field Staff						
S.D.S.-Community						
S.D.S. - School Teachers						
Field Dent.- Ch. Asst.						

25. Do you consider that your direction of therapists should extend into the following areas? Where "yes", indicate to what extent and why (if possible).

	Don't Know	No	Yes	Extent And Why
What Children Are To Be Treated By Therapists And When				
Clinical Care Within A Therapist's Scope				
The Therapist's Behaviour In The Community Outside Working Hours				

26. How would you rate the impact of existing dental health education? Suggest changes which could increase the impact.

D.H.E.	Suggested Changes
Highly Effective	
Fairly Effective	
Ineffective	
Don't Know	

Do you feel too much or too little time is spent on D.H.E.?

Time (D.H.E.)	Indicate Proportion Of Therapist's Time That Should Be Assigned To D.H.E. Under Normal Circumstances. (assume all but first grade children on recall)
Too Much	-----
Ideal	
Too Little	
Don't Know	

How would you rate existing visual aids? Suggest additions or changes (if appropriate)

	Don't Know	Adequate	Inadequate	Changes/Additions
Vis. Aids				

27. How would you rate the level of the community's awareness of the School Dental Programme? If inadequate, specify in what way and suggest remedies, if possible.

	Don't Know	Adequ.	Inadequ.	Nature of Inadequ.	Remedies
Community Awareness Of School Dent. Prog.					

28. How would you rate the co-operation provided by most school staff (teachers: headmasters) to the school dental programme? Qualify, if possible.

- Very Good
- Good
- Poor
- I don't know

Qualify

--

29. How would you describe the general attitude of South Australian private practitioners to the School Dental Service?

30. How would you describe the general attitude of private practitioners in your area to the School Dental Service?

31. How would you describe the general attitude of parents to the School Dental Service? Qualify, if possible.

- Interest only sufficient to enrol children
- A slightly greater interest
- A much greater interest
- I don't know

Qualify

--

32. Do you think the School Dental Service will be able to attract sufficient dentists to meet future needs? Answer "yes", "no", "don't know" or "yes with certain changes". Indicate those changes that would have to be made to attract sufficient dentists (if possible).

33. What do you consider to be the major advantages and disadvantages of employment as a R.D.O., as opposed to entering private practice?

ADVANTAGES	DISADVANTAGES

34. Do you consider there is a need for additional laboratory or other technical services to be provided for the Field? If so, specify.

35. Do you find it difficult to arrange treatment for children after school hours (holidays excluded)? If so, indicate what action seems appropriate (if possible).

No	Appropriate Action
Yes - To Some Degree	
Yes	

36. Do you find it difficult to arrange treatment for children during school holidays? If so, indicate what action seems appropriate (if possible).

No	Appropriate Action
Yes - To Some Degree	
Yes	

37. How would you rate the level of knowledge possessed by parents with respect to the nature of school dental care? If inadequate, state where inadequate and remedies (if possible).

Don't Know	Inadequacies	Remedies
Adequate		
Fairly Adequ.		
Inadequ.		

38. How would you rate the level of satisfaction experienced by parents concerning school dental care? If not high, indicate why not and appropriate remedies (if possible).

Don't Know	Reasons Why Not High	Remedies
High		
Moderate		
Low		

39. Do you think it an advantage for most parents to attend the clinic with their children? Indicate reasons

Don't Know		Reasons
No		
Somewhat Of An Advantage		
An Advantage		

40. What proportion of children have at least one parent who has visited your clinic? If you are dissatisfied, indicate possible remedial steps (if possible).

Don't Know		Remedial Steps
0 - 25%		
25 - 50%		
50 - 75%		

41. Do you feel that field conferences are of maximum value in their present form? If they should be changed to provide maximum value, indicate what changes are indicated! If field conferences would be valueless in any form, indicate!

42. Do you feel that R.D.O.'s have sufficient say in deciding the general policy of the School Dental Service? Qualify your answer!

43. How would you rate the professional status of R.D.O.'s, when compared with private dentists. Give reasons (if possible).

Status As Perceived By The Following	Don't Know	Higher	Lower	Comparable	Reasons
You					
R.D.O.'s					
Public					
Private Dentists					
Therapists					
Chairside Assistants (S.D.S.)					
Professional Admin. - Head Office					

44. How many primary school children do you consider could be maintained annually by one therapist under normal circumstances? Assume (i) all but first-grade children on recall (ii) a non-fluoridated area.

45. What do you consider to be the ideal interval between recalls in your area (for the average child), e.g., 9 months, 12 months?? What is the existing interval?

46. Do you feel that appropriate types of individuals are being recruited to dental therapy? If not, indicate relevant changes (if possible).

47. Do you consider that one-chair static clinics would be desirable for some areas? If not, indicate why not.

48. Do you consider that many regions should have two-chair or one-chair mobile clinics for therapists? Qualify your answer, if possible.

49. Do you consider that a government car should be allocated to some regions? If so, indicate why (if possible).

50. Indicate any matter of significance to the administration of the S.D.S. that has not been mentioned yet.

Questionnaire for Field Dental Officers

(Place "X" in the appropriate box, where relevant)

1. Do you consider that the level of government re-imburement for official travel (for dental personnel) is adequate? If not, why? If not, specify adequate levels (if possible).

2. Salaries: How do you consider the following salary scales? If inappropriate, indicate appropriate levels with reasons (if possible).

Salaries For	Don't Know	Approp.	Inapprop.	Levels Considered Approp.	Reasons
R.D.O.					
Therapist					
Chairside Asst.					
Tutor Dent.					
Tutor Ther.					
Sen. Dent. Cff.					
Field Dent. (mobile)					
Instrument Technic.					
Dental Technic.					

3. Staff: Indicate how many therapists you feel normally could be directed effectively by one regional dentist in a densely populated area with all but first-grade children on recall. Make separate estimates for a non-fluoridated and fluoridated community. Place "?", if no idea.

	Fluoridated	Non-fluoridated
Number of Therapists		

4. Clinic: How do you consider the following features of your clinic? If not ideal, indicate appropriate changes and give reasons (if possible).

Feature	Don't Know	Ideal	Not Ideal	Approp. Changes	Reasons
Overall Design					
Equipment					
Materials					

5. Leave: How do you consider the following types of leave? If inappropriate, indicate appropriate levels with reasons (if possible).

Leave	Don't Know	Approp.	Inapprop.	Levels Considered Approp.	Reasons
Recreation					
Sick					
Long Service					
Maternity (accouchement)					
Without Pay					
Special					

6. How would you describe the role of a F.D.O.*? Qualify, if possible!

Qualification

- Most interesting _____
- Interesting _____
- Somewhat interesting _____
- Uninteresting _____

*___ Field Dental Officer (mobile).

7. Training: How do you rate your University training with respect to the following responsibilities of a F.D.O.? Where not ideal, indicate appropriate changes and give reasons (if possible).

Responsibility	Don't Know	Ideal	Not Ideal	Approp. Changes	Reasons
Treatment (inc. orth.)					
Dent. Hlth. Ed.					
Administrat.					
Community Relat.					
Pub. Hlth. Dent. (inc. evaluat.)					
Patient Management					
Clinic Maintenance					

8. Do you consider that F.D.O.'s should assume additional responsibilities? If so, specify those which are appropriate.

9. Do you consider that therapists should be employed in the following branches of dentistry? Qualify your answer, if desired.

Branch of Dentistry	Don't Know	Yes	No	Qualification
School Dent. Service				
Hospital Dent. Service				
Industrial Clinics				
Private Practice				

10. How would you rate the apparent performance of the following staff? Where apparently less than ideal, state specific areas where improvement is indicated (if possible).

Staff	Don't Know	Ideal	Less Than Ideal	Areas Where Improvement Indicated
Professional Administration At Head-Office				
Research Dentist				
Field Dentists (mobile)				
Chairside Assts.				
Storeroom Staff				
Staff For Repair And Maintenance Of Dent. Equipment				
Prosthetic Technicians*				

* --- Place "Not applicable", if you do not provide prosthetic services.

11. Do you consider that F.D.O.'s should relinquish certain responsibilities? If so, specify those which should be relinquished.

12. Do you consider that chairside assistants should assume additional responsibilities? If so, specify those which are appropriate.

13. Do you consider that the School Dental Service offers adequate incentives for the following staff to maintain enthusiasm? If not, indicate appropriate changes and give reasons (if possible).

Staff	Don't Know	Adequate	Inadequate	Approp. Changes	Reasons
Reg. Dentists					
Therapists					
Chairside Asst.					
Field Dent. (mobile)					

14. Do you consider that the School Dental Service should provide additional in-service training to selected therapists and chairside assistants so that they can assume additional responsibilities? If so, specify appropriate areas of training and give reasons (if possible).

Staff	Don't Know	No	Yes	Appropriate Areas	Reasons
Therapists					
Chairside Assistants					

15. Indicate areas of extended education (in-service or external) that should be available to selected staff, apart from those areas listed in the previous section. State reason why, if possible. Place "?", if no idea.

Staff	Education	Reasons
Administration (Prof.)		
Research Dentist		
Regional Dentists		
Tutor Dentists		
Tutor Therapists		
Therapists		
Chairside Assistants		
Field Dentists (mobile)		

16. Rank the following features from 1 to 12, commencing with the most interesting and finishing with the least so. Rank equally, where appropriate (No.1 = most interesting: No.12 = least interesting).

Oral surgery	<input type="checkbox"/>	Orthodontic care	<input type="checkbox"/>
Endodontics	<input type="checkbox"/>	Exodonture	<input type="checkbox"/>
Dent. hlth. educ.	<input type="checkbox"/>	Proph. & top. fl.	<input type="checkbox"/>
Community relations	<input type="checkbox"/>	Examinations	<input type="checkbox"/>
Rest. of fract. incisors	<input type="checkbox"/>	Administration	<input type="checkbox"/>
Routine rest. care	<input type="checkbox"/>	X-rays	<input type="checkbox"/>

17. How would you rate the satisfaction that you receive from treating the following? Qualify, if possible.*

	Very Satis.	Satis.	Not Satisfying	Qualify
Infant School Students				
Primary School Students				
Pre-schoolers				
The Emotionally Or Physically Handicapped				
Pensioners				

* ---Place "Not applicable", if you do not treat these groups.

18. How would you rate the relationship between the following groups? If somewhat unsatisfactory or most unsatisfactory, indicate in what way and suggest remedies (if possible).

Groups	Don't Know	Satis	Somewhat Unsatis	Unsatis.	Manner In Which Unsatis. Or Somewhat Unsatis.	Possible Remedies
Prof. Admin. (Hind. Squ.) - Field Staff						
Tutors (Hind. Squ.)-Field Staff						
S.D.S.-Community						
S.D.S. - School Teachers						
Field Dent. - Ch. Asst.						

19. How would you rate the impact of existing dental health education? Suggest changes which could increase the impact.

D.H.E.	Suggested Changes
Highly Effective	
Fairly Effective	
Ineffective	
Don't Know	

Do you feel too much or too little time is spent on D.H.E.?

Too Much		Indicate The Proportion Of Your Time That Should Be Assigned To D.H.E. Under Normal Circumstances (assume all but first grade children on recall).
Ideal		
Too Little		
Don't Know		

How would you rate existing visual aids? Suggest additions or changes (if appropriate).

	Don't Know	Adequate	Inadequate	Changes/Additions
Vis. Aids				

20. How would you describe the general attitude of South Australian private practitioners to the School Dental Service?

21. How would you rate the level of the community's awareness of the School Dental Programme? If inadequate, specify in what way and suggest remedies, if possible.

	Don't Know	Adequ.	Inadequ.	Nature Of Inadequ.	Remedies
Community Awareness Of School Dent. Prog.					

22. How would you rate the co-operation provided by most school staff (teachers: headmasters) to the school dental programme? Qualify, if possible.

Qualify

- Very Good
- Good
- Poor
- I don't know

23. How would you describe the general attitude of South Australian private practitioners to the School Dental Service?

24. How would you describe the general attitude of parents to the School Dental Service? Qualify, if possible.

Qualify

- Interest only sufficient to enrol children
- A slightly greater interest
- A much greater interest
- I don't know

25. Do you think the School Dental Service will be able to attract sufficient dentists to meet future needs? Answer "yes", "no", "don't know" or "yes with certain changes". Indicate those changes that would have to be made to attract sufficient dentists (if possible).

26. What do you consider to be the major advantages and disadvantages of employment as a F.D.O., as opposed to entering private practice?

ADVANTAGES

DISADVANTAGES

27. What do you consider to be the major advantages and disadvantages of employment as a R.D.O., as opposed to entering private practice?

ADVANTAGES	DISADVANTAGES

28. Do you consider there is a need for additional laboratory or other technical services to be provided for the Field? If so, specify.

29. Do you find it difficult to arrange treatment for children after school hours (holidays excluded)? If so, indicate what action seems appropriate (if possible).

No	Appropriate Action
Yes - To Some Degree	
Yes	

30. How would you rate the level of knowledge possessed by parents with respect to the nature of school dental care? If inadequate, state where inadequate and remedies (if possible).

Don't Know		
Adequate	Inadequacies	Remedies
Fairly Adequ.		
Inadequ.		

31. How would you rate the level of satisfaction experienced by parents concerning school dental care? If not high, indicate why not and appropriate remedies (if possible).

Don't Know		
High	Reasons Why Not High	Remedies
Moderate		
Low		

32. Do you feel that field conferences are of maximum value in their past form? If they should be changed to provide maximum value, indicate what changes are indicated! If field conferences would be valueless in any form, indicate!

33. Do you think it an advantage for most parents to attend the clinic with their children? Indicate reasons.

Don't Know		Reasons
No		
Somewhat Of An Advantage		
An Advantage		

34. What proportion of children have at least one parent who has visited your clinic? If you are dissatisfied, indicate possible remedial steps (if possible).

Don't Know		Remedial Steps
0 - 25%		
25 - 50%		
50 - 75%		

35. Do you feel that F.D.O.'s have sufficient say in deciding the general policy of the School Dental Service? Qualify your answer!

36. How many primary school children do you consider could be maintained annually by one F.D.O. under normal circumstances? Assume (i) all but first-grade children on recall (ii) a non-fluoridated area.

37. How would you rate the professional status of F.D.O.'s, when compared with private dentists? Give reasons (if possible).

Status As Perceived By The Following.	Don't Know	Higher	Lower	Comparable	Reasons
You					
R.D.O.'s					
Public					
Private Dentists					
Therapists					
Chairside Assistants (S.D.S.)					
Professional Admin.-Head Office					

38. What do you consider to be the ideal interval between recalls in your area (for the average child), e.g., 9 months, 12 months? What is the existing interval?

39. Do you consider that many regions should have two-chair or one-chair mobile clinics? Qualify your answer, if possible.

40. Do you consider that a government car should be allocated to some regions? If so, indicate why (if possible).

41. Do you consider that one-chair static clinics would be desirable for some areas? If not, indicate why not.

42. Indicate any matter of significance to the administration of the S.D.S. that has not been mentioned yet.

Questionnaire for Dental Therapists

(Place "X" in the appropriate box, where relevant)

1. Personal Information:

(i) Time as a therapist in the field: less than one year
 one to two years
 over two years

(ii) Previous occupation: only school
 dental assistant specify
 other _____

(iii) Married : Single

(iv) Locality (of clinic): Adelaide : Country

2. How many years (estimated in full years) do you consider that you will probably work as a therapist (exclude years as a student)?

3. Rank the following features from 1 to 12 (rank equally, where appropriate), commencing with the most interesting and finishing with the least so. (N.B. No.1 = most interesting : No.12 = least interesting)

Dental health education <input type="checkbox"/>	Impressions <input type="checkbox"/>
Amalgams (non-cuspal) <input type="checkbox"/>	Proph. & topical fl. <input type="checkbox"/>
Amalgams (cuspal) <input type="checkbox"/>	Administration <input type="checkbox"/>
Primary tooth extractions <input type="checkbox"/>	Community relations <input type="checkbox"/>
Composite fillings <input type="checkbox"/>	X-rays <input type="checkbox"/>
Pulpotomies <input type="checkbox"/>	Examinations <input type="checkbox"/>

4. How would you describe the general attitude of private dentists to dental therapists? If negative, indicate how this could be rectified (if possible).

5. Do you participate in any community programmes in your town? e.g., sport, adult education, clubs etc. If so, specify.

6. Are you happy with your current placement, or would you prefer another locality? If unhappy, indicate why (if possible).

7. Do you consider that the level of government re-imburement for official travel (for dental personnel) is adequate? If not, why? If not, specify adequate levels (if possible).

8. Staff: Indicate how many therapists you feel normally could be directed effectively by one regional dentist in a densely populated area with all but first-grade children on recall. Make separate estimates for a non-fluoridated and fluoridated community. Place "?", if no idea.

	Fluoridated	Non-fluoridated
Number of Therapists		

9. Salaries: How do you consider the following salary scales? If inappropriate, indicate appropriate levels with reasons (if possible).

Salaries For	Don't Know	Approp.	Inapprop.	Levels Considered Approp.	Reasons
R.D.O.					
Therapist					
Chairside Asst.					
Tutor Dent.					
Tutor Ther.					
Sen. Dent. Off.					
Field Dent. (mobile)					
Instrument Technic.					
Dental Technic.					

10. How would you describe the role of a Therapist? Qualify, if possible!

- Most interesting
 Interesting
 Somewhat interesting
 Uninteresting

Qualification

11. Leave: How do you consider the following types of leave? If inappropriate, indicate appropriate levels with reasons (if possible).

Leave	Don't Know	Approp.	Inapprop.	Levels Considered Approp.	Reasons
Recreation					
Sick					
Long Service					
Maternity (accouchement)					
Without Pay					
Special					

12. Clinic: How do you consider the following features of the clinic? If not ideal, indicate appropriate changes and give reasons (if possible).

Feature	Don't Know	Ideal	Not Ideal	Approp. Changes	Reasons
Overall Design					
Equipment					
Materials					
Position In School					

13. Do you consider that therapists should be employed in the following branches of dentistry? Qualify your answer, if desired.

Branch of Dentistry	Don't Know	Yes	No	Qualification
School Dent. Service				
Hospital Dent. Service				
Industrial Clinics				
Private Practice				

14. How would you rate the apparent performance of the following staff? Where apparently less than ideal, state specific areas where improvement is indicated (if possible).

Staff	Don't Know	Ideal	Less Than Ideal	Areas Where Improvement Indicated
Professional Administration At Head-Office				
Research Dentist				
Regional Dentists				
Tutor Therapists				
Tutor Dentists				
Therapists				
Chairside Assts.				
Storerroom Staff				
Staff For Repair And Maintenance Of Dent. Equipment				

15. Therapy Training: How do you rate therapy training with respect to the following responsibilities of a dental therapist? Where not ideal, indicate appropriate changes and give reasons (if possible).

Responsibility	Don't Know	Ideal	Not Ideal	Approp. Changes	Reasons
Dent. Hlth. Ed.					
Proph. & Top. F.					
Chart & Treat. Plan For Incipient Decay					
Infiltrat. Anaesth.					
Inf. Dent. Block Anaesthetic					
Intra-Oral X-ray					
Amalgam Rest. (no cusp)					
Amalgam Rest. (cusp)					
Composite Rest.					
Ext. Prim. Tth.					
Pulpotomies (prim. tth.)					
Impress. For Study Models And Orthodontic Models					
Administration					
Community Relat.					
Equipment Maintenance					
Patient Management					

16. Do you regard therapists as competent to treat the following age groups? Qualify your answer, if appropriate.

Age Groups	Don't Know	Yes	No	Qualification
Pre-schoolers				
Primary Schoolers				
High School Students				
Adults				

17. Do you consider that R.D.O.'s should assume additional responsibilities? If so, specify those which are appropriate.

18. Do you consider that R.D.O.'s should relinquish certain responsibilities? If so, specify those which should be relinquished.

19. Do you consider that therapists should assume additional responsibilities? If so, specify those which are appropriate.

20. Do you consider that therapists should relinquish certain responsibilities? If so, specify those which should be relinquished.

21. Do you consider that chairside assistants should assume additional responsibilities? If so, specify those which are appropriate.

22. Do you consider that the School Dental Service offers adequate incentives for the following staff to maintain enthusiasm? If not, indicate appropriate changes and give reasons (if possible).

Staff	Don't Know	Adequate	Inadequate	Approp. Changes	Reasons
Reg. Dentists					
Therapists					
Chairside Asst.					

23. Do you consider that the School Dental Service should provide additional in-service training to selected therapists and chairside assistants so that they can assume additional responsibilities? If so, specify appropriate areas of training and give reasons (if possible).

Staff	Don't Know	No	Yes	Appropriate Areas	Reasons
Therapists					
Chairside Assistants					

24. Which do you consider to be the appropriate ratio of chairside assistants to therapists? Qualify, if possible.

	<u>Qualification</u>
One assistant to three therapists <input type="checkbox"/>	
One assistant to two therapists <input type="checkbox"/>	
One assistant to one therapist <input type="checkbox"/>	
Please state what ratio, if these do not apply, i.e., assistant(s) to therapist(s).	

25. Indicate areas of extended education (in-service or external) that should be available to selected staff, apart from those areas listed in the previous section. State reasons why, if possible. Place "?", if no idea.

Staff	Education	Reasons
Administration (Prof.)		
Research Dentist		
Regional Dentists		
Tutor Dentists		
Tutor Therapists		
Therapists		
Chairside Assistants		

26. How would you rate the satisfaction that you receive from treating the following? Qualify, if possible.*

	Very Satis.	Satis.	Not Satisfying	Qualify
Infant School Students				
Primary School Students				
Pre-schoolers*				
The Emotionally Or Physically Handicapped				

* --- Place "Not applicable", if you do not treat this group.

27. Which statement best describes the performance of a therapist? Qualify, if possible.

		<u>Qualification</u>
Inferior to that of a dentist within her scope of responsibility	<input type="checkbox"/>	
Similar to that of a dentist within her scope of responsibility	<input type="checkbox"/>	
Superior to that of a dentist within her scope of responsibility	<input type="checkbox"/>	
I don't know	<input type="checkbox"/>	

28. How would you rate the relationship between the following groups? If somewhat unsatisfactory or most unsatisfactory, indicate in what way and suggest remedies (if possible).

Groups	Don't Know	Satis	Somewhat Unsatis.	Unsatis	Manner In Which Possible Remedies	
					Unsatis. Or Somewhat Unsatis.	
R.D.O. - Ther.						
R.D.O.-Ch.Ass.						
Ther.-Ch.Ass.						
Prof. Admin. (Hind.Squ.) - Field Staff						
Tutors (Hind.Squ.)-Field Staff						
S.D.S. - Community						
S.D.S. - School teachers						

29. Do you consider that an R.D.O.'s direction of therapists should extend into the following areas? Where "yes", indicate to what extent and why (if possible).

	Don't Know	No	Yes	Extent And Why
What Children Are To Be Treated By Therapists And When				
Clinical Care Within A Therapist's Scope				
The Therapist's Behaviour In The Community Outside Working Hours				

30. How would you rate the level of the community's awareness of the School Dental Programme? If inadequate, specify in what way and suggest remedies, if possible.

	Don't Know	Adequ.	Inadequ.	Nature Of Inadequ.	Remedies
Community Awareness Of School Dent. Prog.					

31. How would you rate the co-operation provided by most school staff (teachers; headmasters) to the school dental programme?

Very good	<input type="checkbox"/>	<u>Qualify</u>
Good	<input type="checkbox"/>	
Poor	<input type="checkbox"/>	
I don't know	<input type="checkbox"/>	

32. How would you describe the general attitude of South Australian private practitioners to the School Dental Service?

33. How would you rate the impact of existing dental health education? Suggest changes which could increase the impact.

D.H.E.	Suggested Changes
Highly Effective	
Fairly Effective	
Ineffective	
Don't Know	

Do you feel too much or too little time is spent on D.H.E.?

Time (D.H.E.)	
Too Much	
Ideal	
Too Little	
Don't Know	

Indicate Proportion Of Therapist's Time That Should Be Assigned to D.H.E. Under Normal Circumstances. (assume all but first-grade children on recall)

How would you rate existing visual aids? Suggest additions or changes (if appropriate).

	Don't Know	Adequate	Inadequate	Changes/Additions
Vis. Aids				

34. How would you describe the general attitude of parents to the School Dental Service? Qualify, if possible.

		Qualify
Interest only sufficient to enrol children	<input type="checkbox"/>	
A slightly greater interest	<input type="checkbox"/>	
A much greater interest	<input type="checkbox"/>	
I don't know	<input type="checkbox"/>	

35. Do you think the School Dental Service will be able to retain sufficient therapists to meet future needs? Answer "yes", "no", "don't know" or "yes with certain changes". Indicate those changes that would have to be made to retain sufficient therapists (if possible).

36. Do you consider there is a need for additional laboratory or other technical services to be provided for the Field? If so, specify.

37. Do you find it difficult to arrange treatment for children after school hours (holidays excluded)? If so, indicate what action seems appropriate (if possible).

No	Appropriate Action
Yes - To Some Degree	
Yes	

38. Do you find it difficult to arrange treatment for children during school holidays? If so, indicate what action seems appropriate (if possible).

No	Appropriate Action
Yes - To Some Degree	
Yes	

39. How would you rate the level of knowledge possessed by parents with respect to the nature of school dental care? If inadequate, state where inadequate and remedies (if possible).

Don't Know		
Adequate	Inadequacies	Remedies
Fairly Adequ.		
Inadequ.		

40. How would you rate the level of satisfaction experienced by parents concerning school dental care? If not high, indicate why not and appropriate remedies (if possible).

Don't Know		Reasons Why Not High	Remedies
High			
Moderate			
Low			

41. Do you think it an advantage for most parents to attend the clinic with their children? Indicate reasons.

Don't Know		Reasons
No		
Somewhat Of An Advantage		
An Advantage		

42. What proportion of your patients do you estimate have at least one parent who has visited your clinic? If you are dissatisfied, indicate possible remedial steps (if possible).

Don't Know		Remedial Steps
0 - 25%		
25 - 50%		
50 - 75%		

43. Do you feel that field conferences are of maximum value in their present form? If they should be changed to provide maximum value, indicate what changes are indicated! If field conferences would be valueless in any form, indicate!

44. Do you feel that therapists have sufficient say in deciding the general policy of the School Dental Service? Qualify your answer!

45. How would you rate the professional status of regional dentists, when compared with private dentists? Give reasons (if possible).

Status As Perceived By The Following	Don't Know	Higher	Lower	Comparable	Reasons
You					
R.D.O.'s					
Public					
Private Dentists					
Therapists					
Chairside Assistants (S.D.S)					
Professional Administration - Head Office					

46. How many primary school children do you consider could be maintained annually by one therapist under normal circumstances? Assume (i) all but first-grade children on recall (ii) a non-fluoridated area.
-
47. What do you consider to be the ideal interval between recalls in your area (for the average child), e.g., 9 months, 12 months? What is the existing interval?
-
48. Do you feel that appropriate types of individuals are being recruited to dental therapy? If not, indicate relevant changes (if possible).
-
49. Do you consider that one-chair static clinics would be desirable for some areas? If not, indicate why not.
-
50. Do you consider that many regions should have two-chair or one-chair mobile clinics for therapists? Qualify your answer, if possible.
-
51. Do you consider that a government car should be allocated to some regions? If so, indicate why (if possible).
-
52. How would you describe the style of teaching at the School of Dental Therapy?
-
53. Indicate any matter of significance to the administration of the S.D.S. that has not been mentioned yet.

7. How would you describe the role of a chairside assistant in the School Dental Service? Qualify, if possible!

Qualification

Most interesting _____

Interesting _____

Somewhat interesting _____

Uninteresting _____

8. Salaries: How do you consider the following salary scales? If inappropriate, indicate appropriate levels with reasons (if possible).

Salaries For	Don't Know	Approp.	Inapprop.	Levels Considered Approp.	Reasons
R.D.O.					
Therapist					
Chairside Asst.					
Tutor Dent.					
Tutor Ther.					
Sen. Dent. Off.					
Field Dent. (mobile)					
Instrument Technician.					
Dental Technician.					

9. Do you consider that R.D.O.'s should assume additional responsibilities? If so, specify those which are appropriate.

10. Leave: How do you consider the following types of leave? If inappropriate, indicate appropriate levels with reasons (if possible).

Leave	Don't Know	Approp.	Inapprop.	Levels Considered Approp.	Reasons
Recreation					
Sick					
Long Service					
Maternity (accouchement)					
Without Pay					
Special					

11. Clinic: How do you consider the following features of the clinic? If not ideal, indicate appropriate changes and give reasons (if possible).

Feature	Don't Know	Ideal	Not Ideal	Approp. Changes	Reasons
Overall Design					
Equipment					
Materials					
Position In School					

12. Do you consider that therapists should be employed in the following branches of dentistry? Qualify your answer, if desired.

Branch Of Dentistry	Don't Know	Yes	No	Qualification
School Dent. Service				
Hospital Dent. Service				
Industrial Clinics				
Private Practice				

13. Therapy Training: How do you rate therapy training with respect to the following responsibilities of a dental therapist? Where not ideal, indicate appropriate changes and give reasons (if possible).

Responsibility	Don't Know	Ideal	Not Ideal	Approp. Changes	Reasons
Dent. Hlth. Ed.					
Administration					
Equipment Maintenance					
Patient Management					

14. How would you rate the apparent performance of the following staff? Where apparently less than ideal, state specific areas where improvement is indicated (if possible).

Staff	Don't Know	Ideal	Less Than Ideal	Areas Where Improvement Indicated
Professional Administration At Head-Office				
Research Dentist				
Regional Dentists				
Tutor Therapists				
Tutor Dentists				
Therapists				
Chairside Assts.				
Storeroom Staff				
Staff For Repair And Maintenance Of Dent. Equipment				

15. Do you consider that R.D.O.'s should relinquish certain responsibilities? If so, specify those which should be relinquished.
-

16. Do you consider that therapists should assume additional responsibilities? If so, specify those which are appropriate.
-

17. Do you consider that therapists should relinquish certain responsibilities? If so, specify those which should be relinquished.
-

18. Do you consider that chairside assistants should assume additional responsibilities? If so, specify those which are appropriate.
-

19. Do you consider that chairside assistants should relinquish certain responsibilities? If so, specify those which should be relinquished.
-

20. Do you consider there is a need for additional laboratory or other technical services to be provided for the Field? If so, specify.

21. Do you consider that the School Dental Service offers adequate incentives for the following staff to maintain enthusiasm? If not, indicate appropriate changes and give reasons (if possible).

Staff	Don't Know	Adequate	Inadequate	Approp. Changes	Reasons
Reg. Dentists					
Therapists					
Chairside Asst.					

22. Do you consider that the School Dental Service should provide additional in-service training to selected therapists and chairside assistants so that they can assume additional responsibilities? If so, specify appropriate areas of training and give reasons (if possible).

Staff	Don't Know	No	Yes	Appropriate Areas	Reasons
Therapists					
Chairside Assistants					

23. Which do you consider to be the appropriate ratio of chairside assistants to therapists? Qualify, if possible.

- | | | |
|-----------------------------------|--------------------------|----------------------|
| One assistant to three therapists | <input type="checkbox"/> | <u>Qualification</u> |
| One assistant to two therapists | <input type="checkbox"/> | |
| One assistant to one therapist | <input type="checkbox"/> | |

Please state what ratio, if these do not apply, i.e., assistant(s) to therapist(s).

24. Indicate areas of education (in-service or external) that should be available to selected staff, apart from those areas listed in the previous section. State reasons why, if possible. Place "?". if no idea.

Staff	Education	Reasons
Regional Dentists		
Therapists		
Chairside Assistants		

25. How would you rate the satisfaction that you receive from participation in treatment of the following? Qualify, if possible.*

	Very Satis.	Satis.	Not Satisfying	Qualify
Infant School Students				
Primary School Students				
Pre-schoolers				
The Emotionally Or Physically Handicapped				

* --- Place "Not applicable", if you are not associated with treatment of this group.

26. Which statement best describes the performance of a therapist? Qualify, if possible.

	Qualification
Inferior to that of a dentist within her scope of responsibility <input type="checkbox"/>	
Similar to that of a dentist within her scope of responsibility <input type="checkbox"/>	
Superior to that of a dentist within her scope of responsibility <input type="checkbox"/>	
I don't know <input type="checkbox"/>	

27. Do you consider that an R.D.O.'s direction of therapists should extend into the following areas? Where "yes", indicate to what extent and why (if possible).

	Don't Know	No	Yes	Extent And Why
What Children Are To Be Treated By Therapists And When				
Clinical Care Within A Therapist's Scope				
The Therapist's Behaviour In The Community Outside Working Hours				

28. How would you rate the relationship between the following groups? If somewhat unsatisfactory or most unsatisfactory, indicate in what way and suggest remedies (if possible).

Groups	Don't Know	Satis.	Somewhat Unsatis.	Unsatis.	Manner In Which Or Somewhat Unsatis.	Possible Remedies
R.D.O.-Ther.						
R.D.O.-Ch.Ass.						
Ther.-Ch.Ass.						
Prof.Admin. (Hind.Squ.) -Field Staff						
Tutors (Hind. Squ.)-Field Staff						
S.D.S.- Community						
S.D.S.- School Teachers						

29. Do you feel that chairside assistants should have a significant say in deciding the general policy of the School Dental Service? Qualify your answer!

30. How would you rate the level of the community's awareness of the School Dental Programme? If inadequate, specify in what way and suggest remedies, if possible.

	Don't Know	Adequ.	Inadequ.	Nature Of Inadequ.	Remedies
Community Awareness Of School Dent. Prog.					

31. How would you rate the co-operation provided by most school staff (teachers; headmasters) to the school dental programme. Qualify, if possible.

Very good	<input type="checkbox"/>	Qualify
Good	<input type="checkbox"/>	
Poor	<input type="checkbox"/>	
I don't know	<input type="checkbox"/>	

32. How would you describe the general attitude of parents to the School Dental Service? Qualify, if possible.

		<u>Qualify</u>
Interest only sufficient to enrol children	<input type="checkbox"/>	
A slightly greater interest	<input type="checkbox"/>	
A much greater interest	<input type="checkbox"/>	
I don't know	<input type="checkbox"/>	

33. How would you rate the impact of existing dental health education? Suggest changes which could increase the impact.

D.H.E.	Suggested Changes
Highly Effective	
Fairly Effective	
Ineffective	
Don't Know	

Do you feel too much or too little time is spent on D.H.E.?

Time (D.H.E.)	
Too Much	
Ideal	
Too Little	
Don't Know	

Indicate Proportion Of Therapist's Time That Should Be Assigned To D.H.E. Under Normal Circumstances (assume all but first-grade children on recall).

How would you rate existing visual aids? Suggest additions or changes (if appropriate).

	Don't Know	Adequate	Inadequate	Changes/Additions
Vis. Aids				

34. Do you think the School Dental Service will be able to retain sufficient therapists to meet future needs? Answer "yes", "no", "don't know" or "yes with certain changes". Indicate those changes that would have to be made to retain sufficient therapists (if possible)

35. Do you find it difficult to arrange treatment for children after school hours (holidays excluded)? If so, indicate what action seems appropriate (if possible).

No	Appropriate Action
Yes - To Some Degree	
Yes	

36. Do you find it difficult to arrange treatment for children during school holidays? If so, indicate what action seems appropriate (if possible).

No	Appropriate Action
Yes - To Some Degree	
Yes	

37. Do you feel that field conferences would be beneficial for chairside assistants? If so, indicate appropriate form of conference.

38. How would you rate the level of knowledge possessed by parents with respect to the nature of school dental care? If inadequate, state where inadequate and remedies (if possible).

Don't Know	Inadequacies	Remedies
Adequate		
Fairly Adequ.		
Inadequ.		

39. How would you rate the level of satisfaction experienced by parents concerning school dental care? If not high, indicate why not and appropriate remedies (if possible).

Don't Know	Reasons Why Not High	Remedies
High		
Moderate		
Low		

40. Do you feel that appropriate types of individuals are being recruited to dental therapy? If not, indicate relevant changes (if possible).

41. Do you think it an advantage for most parents to attend the clinic with their children? Indicate reasons.

	Reasons	
Don't Know		
No		
Somewhat Of An Advantage		
An Advantage		

42. What proportion of your patients do you estimate have at least one parent who has visited your clinic? If you are dissatisfied, indicate possible remedial steps (if possible).

	Remedial Steps	
Don't Know		
0 - 25%		
25 - 50%		
50 - 75%		

43. Do you feel that appropriate types of dentists are being recruited to the School Dental Service? If not, indicate relevant changes (if possible).

44. How would you rate the professional status of regional dentists, when compared to private dentists? Give reasons (if possible).

Status As Perceived By The Following	Don't Know	Higher	Lower	Comparable	Reasons
You					
R.D.O.'s					
Public					
Private Dentists					
Therapists					
Chairside Assistants (S.D.S.)					
Professional Administration - Head Office					

45. Do you feel that appropriate types of individuals are being recruited as chairside assistants in the School Dental Service? If not, indicate relevant changes (if possible).

46. What do you consider to be the major advantages and disadvantages of employment in the School Dental Service, as opposed to entering a private practice?

Advantages	Disadvantages

47. Indicate any matter of significance to the administration of the S.D.S. that has not been mentioned yet.

X-RAYS

The number of x-rays exposed per 100 examinations in regional school dental programmes in the South Australian School Dental Service.*

Regional school dental programme	x-rays per 100 examinations	Regional school dental programme	x-rays per 100 examinations
1	75.4	11	18.0
2	50.2	12	30.5
3	72.0	13	59.8
4	51.2	14	39.3
5	41.6	15	20.1
6	10.9	16	19.8
7	16.8	17	6.3
8	69.5	18	35.9
9	4.8	19	15.0
10	24.5	20	146.5

*... For the first quarter, 1976

SCHOOL CANTEENS

The University of Adelaide and the School Dental Service have been studying the relation between the sale of sweets in canteens and dental health and profit.

To date, results suggest that:

- a) canteens selling and not selling sweets attract equivalent takings and profit.
- b) students in schools, where canteens sell sweets, experience more decay.
- c) regular users of canteens selling decay-causing confectionery experience more decay than irregular users.

The removal of sweets and other decay-causing confectionery from canteens is recommended by a large number of health authorities, including:

- a) The National Health and Medical Research Council of Australia.
- b) The South Australian Branches of
 - (i) The Australian Medical Association.
 - (ii) The Australian Dental Association.
- c) The South Australian
 - (i) School Health Service.
 - (ii) School Dental Service.

Overseas authorities recommending the removal of these items include:

- a) The American Dental Association.
- b) The American Medical Association.
- c) The British Dental Association.
- d) The British Medical Association.

The South Australian Association of State School Organizations, Inc., have expressed their support.

We realize that the removal of sweets presents problems to some schools.

Canteens in Adelaide schools appear to be of 4 types, namely:-

- a) canteens selling sweets and other cariogenic foods.
- b) canteens that have removed sweets and sweet biscuits.
- c) canteens that have removed sweets, sweet biscuits, cakes, and heavily iced or sugared buns. These canteens sell plain yeast and fruit buns and those with minimal icing. Fruit pies are also sold.
- d) canteens that have removed sweets, sweet biscuits, cakes, iced or sugared buns, and soft drinks.

While an ideal menu would pertain to the last category, any change from the first group would be an improvement.

Enquiries may be directed to:

The School Dental Service,
49 Hindmarsh Square,
ADELAIDE. S.A. 5000.

Phone: 223 3080

Spearman's Rank Correlation Coefficient (r)³⁰⁷

$$r = 1 - \frac{6 \sum D^2}{n(n^2 - 1)}, \text{ where :}$$

D = difference between ranks

n = no. of correlated pairs

$$t = \frac{r \sqrt{n - 2}}{\sqrt{1 - r^2}} \quad \text{for } (n - 2) \text{ degrees of freedom}$$

Standard Error for Linear Regression Coefficient
of y on x¹⁶⁷ *

$$y \text{ (estim.)} = mx + c \text{ (Appendix 7.1)}$$

Standard deviation of y on x (sy.x) :

$$sy.x = \sqrt{\frac{\Sigma(\text{actual } y - \text{estim. } y)^2}{n - 2}}$$

nb... n = no. of subjects

$$\text{Standard error} = \frac{sy.x}{\sqrt{\Sigma(x - \bar{x})^2}}$$

nb... t = $\frac{\text{Regression coefficient}}{\text{Standard error}}$ for (n-2) degrees
of freedom

* ___ Chilton's simplified version of the employed formulae

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* Notwithstanding the general endeavour to detail references, a certain licence has been taken to be concise. When numerous reference sources pertain to one book with an extensive index, the total book has been cited on one occasion rather than repetitively with the respective page numbers.

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