



Dental Health Services



THE UNIVERSITY OF ADELAIDE

The Child Dental Health Survey Western Australia 1993

by

The AIHW Dental Statistics
and Research Unit

and

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This report is the Western Australian component of the Child Dental Health Survey, a project in which all States and Territories are participating.

The AIHW Dental Statistics and Research Unit (DSRU) is an external unit of the Australian Institute of Health and Welfare and was established in 1988 at The University of Adelaide. The DSRU was funded to improve the range and quality of dental statistics and research on the dental workforce, dental health status, dental practices and use of dental services.

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THE CHILD DENTAL HEALTH SURVEY - WESTERN AUSTRALIA 1993

Purpose of this report

Information listed in the tables includes: the age and sex of children in the sample, their deciduous and permanent caries experience, frequency of fissure sealants, children's history of school dental service examinations, and calculus and debris indexes. These data were collected during the 1993 calendar year from WA School Dental Service patients by dental therapists and dentists. A random sampling procedure was used to select one in 13 patients. This was achieved by selecting those children whose birthday was on the 29th, 30th or 31st day of any month. Where children had an unknown date of birth, one in 13 of their records were sampled. Consequently, the data constitute a simple random sample, and no statistical weighting has been applied in their analysis.

The following sections briefly describe each table and provide a simple, summary statement highlighting differences between the 1993 and 1992 data. It is necessary to be cautious in drawing inferences concerning changes between the years. Moreover, no formal hypothesis tests have been undertaken, and descriptions of difference between years are intended as a guide to the reader, rather than an evaluation of trends.

Table 1: Demographic composition of the sample

The majority of children in the sample (69.5 per cent) were aged between 5 and 11 years inclusive, with approximately equivalent numbers in individual ages within this range. However, children aged 12 years, or less than 5 years were also represented in substantial numbers. Females and males were represented in similar proportions in all ages.

The distribution of the sample is closely related to the main target groups of children served by the school dental service in WA. The distribution also illustrates that the sample is representative of primary school aged children, rather than all children in the WA. Moreover, the small numbers of children aged 14 years or more results in less reliability of computed statistics for those ages, and they have been suppressed where indicated in the following tables. It is also important to note that those children who are outside the main school dental service target groups may differ on key characteristics and are likely to be less representative of their respective age groups in the WA population.

Changes since 1992

The representation of key age groups in both years are most similar.

Table 3: Deciduous teeth: age-specific prevalence

The mean number of decayed teeth among children aged 5 to 10 years ranges from 0.30 to 0.79 and was lower among older children. There was less variation in mean dmft although the prevalence was slightly higher on average among older children. Mean dmft declined over the age of 9, and this must be interpreted in view of the exfoliation of deciduous teeth as children grow older.

The percentage of caries experience due to decay (d/dmft) shows an age-associated decline, almost halving from 67.7 per cent among 5 year-olds to 22.9 per cent among 10 year-olds. This is the strongest and most consistent age-associated effect for deciduous teeth. By comparison, the percentage of caries-free children (% dmft=0) shows a more modest reduction from 64.3 per cent among 5 year-olds to 48.9 per cent among 10 year-olds. The percentage of caries free children therefore mirrors the mean dmft prevalence.

Changes since 1992

Most changes in mean numbers of deciduous teeth with caries experience among 5- to 9 year-olds between 1992 and 1993 were small, and generally do not appear to represent clear trends. Among the key age groups (5 to 10 years) differences in age-specific mean numbers were generally no greater than 0.1 teeth, and the percentage of children with dmft=0 differed by no more than four per cent. Despite this stability, there were small but consistent increases across ages in the percentage of caries experience due to decay (d/dmft). These fluctuations most likely reflect the sensitivity of the ratio which is based on small values for the denominator (dmft).

Table 4: Permanent teeth: age-specific prevalence

The mean number of decayed permanent teeth was consistently smaller than the mean number of decayed deciduous teeth, and was relatively consistent across the range of 7 to 11 years. However, the mean DMFT increased quite consistently across age groups (up to 15 years), as expected. As a consequence, the percentage of DMFT due to decay (D/DMFT) and the percentage caries free (DMFT=0) declined across age groups. Age-specific D/DMFT percentages were higher than d/dmft percentages in the deciduous dentition below the age of 9. However this phenomenon is due largely to the very low DMFT values which act as the denominator in D/DMFT and drive the percentage upwards. It is noteworthy that more than 51 per cent of children aged 12 or less were caries free.

Changes since 1992

Changes in the mean number of decayed permanent teeth for most ages were inconsequential, with the mean DMFT differing by less than 0.1 teeth. The percentage of caries free children (DMFT=0) appears to be stable at a high level for younger age groups, with a slight increase in the percentage for older children.

Table 5: All teeth: age-specific prevalence

Untreated caries in the combined deciduous and permanent dentitions existed for between 24 and 32 per cent of children in the age range 5 to 12 years. The greatest likelihood of untreated decay occurred for 7 year-olds. Based on observations from previous tables, much of this untreated decay can be attributed to the deciduous dentition. Furthermore, it is noteworthy that the most extensive levels of untreated decay (4 or more deciduous or permanent teeth) occur in the younger age groups, with 8 per cent of children aged 5 years or less being affected to this extent. This age distribution suggests that the greatest contribution comes from the deciduous dentition.

While more than 95 per cent of children aged 5 to 12 years had no deciduous or permanent teeth missing due to caries, smaller percentages avoid receiving fillings, for which there is an age-associated decline. Similarly, there is a decline in the percentage of children with no caries experience in either deciduous or permanent dentition, from 64.1 per cent at age 5 to 41.6 per cent at age 12. Above the age of 9, the percentage is relatively constant at around 34 to 42 per cent. This serves to demonstrate that more than one third of children survive primary school with no experience of dental caries.

Changes since 1992

The earlier observations of only small changes in deciduous and permanent caries experience carry through to this table which shows minimal changes compared with the 1992 data. While some individual age-specific percentages differ by more than two per cent, these comprise both increases and decreases and they do not appear to reflect strong trends.

Table 6: Fissure sealants: age-specific prevalence

Fissure sealants are moderately prevalent in children aged 8 to 12 years, and at those ages the mean number of fissure sealants exceeds the mean number of decayed teeth, and is close to the mean number of filled teeth. There is evidence in older children of preferential use of fissure sealants among those with caries experience: children aged 12 years and over with some caries experience (DMFT=1+) were more likely to have fissure sealants as children with DMFT equal to zero.

Changes since 1992

The mean number of fissure sealants in 1993 is not consistently different to that observed in 1992 among those aged 5 to 12 years. While the percentage of children with fissure sealants is marginally greater among those with caries experience than those without, the differential between the two groups was similar during both years.

Table 7: Immediate treatment needs

These data were not collected in WA in 1993.

Table 8: School Dental Service examinations

This table demonstrates that the great majority (over 90 per cent) of children over the age of 7 years have previously received examinations within the School Dental Service. The figure for 4 year-olds is difficult to interpret, as it may be expected that virtually all of them would receive a first examination.

Changes since 1992

There are negligible differences between 1992 and 1993 in the frequency of first examinations.

Tables 9, 10 and 11

These tables replicate the information from tables 3, 4 and 5 respectively for Health Areas within Western Australia. There has been no suppression of estimates with high standard errors, and the reader will need to interpret the data with appropriate care.

Figure 1: Percentage of children with dmft=0, DMFT=0 and d+D=4+

This figure presents data contained in tables 3, 4 and 5 to summarize the extent of dental health (represented by percentage with no caries experience) and the extent of more extensive untreated decay.

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TABLE 1: DEMOGRAPHIC COMPOSITION OF THE SAMPLE

Data for the Child Dental Health Survey are collected from a stratified random sample of children in all Australian States and Territories. The sampling procedure selects a constant proportion of children for whom date of birth is known by selecting only those children born on particular dates. Within Western Australia, the sampling ratio for children whose date of birth is known is 1:13.

State/Territory: **Western Australia**

Sampling ratio: 1:13

Data for period January-December 1993

Date of report: 20th September 1993

Age	NUMBER OF CHILDREN IN SAMPLE		
	Males	Females	Persons
2	0	4	4
3	19	24	43
4	263	254	517
5	585	581	1166
6	636	585	1221
7	671	596	1267
8	611	647	1258
9	701	723	1424
10	664	652	1316
11	656	628	1284
12	525	519	1044
13	451	431	882
14	324	365	689
15	267	226	493
16	98	129	227
17	6	9	15
18	0	2	2
Total	6477	6375	12852

TABLE 2: COUNTRY OF BIRTH (INCLUDING ABORIGINALITY)

**These data were not collected in Western Australia
during the period January-December 1993.**

TABLE 3: DECIDUOUS TEETH: AGE-SPECIFIC PREVALENCE¹

This table uses State-wide data to describe the dmft index and its components for individual (year of birth) ages. Indices are calculated from data collected over a 12 month period. Where children received more than one examination during this period, the information derived from examinations other than the first is excluded. Age-specific indices denoted with an asterisk (*) are those in which the relative standard error exceeds 40 per cent, and population estimates of these indices are statistically unreliable.

State/Territory: **Western Australia**

Sampling ratio: **1:13**

Data for period January-December 1993

Date of report: 20th September 1993

Age (years)	Number of children in sample	decayed		dmft		d/dmf %	Children with dmft=0 %
		mean	sd	mean	sd		
3	43	*	*	0.93	2.33	71.4	79.1
4	517	0.79	1.79	1.04	2.18	77.9	70.0
5	1166	0.85	1.87	1.28	2.46	67.7	64.3
6	1221	0.66	1.42	1.48	2.45	48.1	56.8
7	1267	0.52	1.15	1.51	2.34	37.8	54.1
8	1258	0.40	0.88	1.50	2.12	31.1	51.0
9	1424	0.40	0.90	1.60	2.06	29.8	45.5
10	1316	0.30	0.72	1.45	1.97	22.9	48.9

¹ Legend

d - decayed deciduous teeth
 dmft - decayed, missing or filled deciduous teeth
 sd - standard deviation

TABLE 4: PERMANENT TEETH: AGE-SPECIFIC PREVALENCE¹

This table uses State-wide data to describe the DMFT index and its components for individual (year of birth) ages. Indices are calculated from data collected over a 12 month period. Where children received more than one examination during this period, the information derived from examinations other than the first is excluded. Age-specific indices denoted with an asterisk (*) are those in which the relative standard error exceeds 40 per cent, and population estimates of these indices are statistically unreliable.

State/Territory: **Western Australia**

Sampling ratio: **1:13**

Data for period January-December 1993 Date of report: 20th September 1993

Age (years)	Number of children in sample	DECAYED		DMFT		D/DMFT	Children with DMFT=0
		mean	sd	mean	sd	%	%
5	1166	*	*	*	*	66.7	99.5
6	1221	0.05	0.29	0.07	0.38	77.9	95.8
7	1267	0.12	0.48	0.17	0.57	73.7	89.3
8	1258	0.14	0.48	0.27	0.73	54.3	83.8
9	1424	0.16	0.51	0.43	0.88	39.1	75.1
10	1316	0.19	0.51	0.60	1.06	34.5	67.4
11	1284	0.21	0.55	0.75	1.40	30.8	62.5
12	1044	0.31	0.76	1.20	1.82	27.8	51.1
13	882	0.37	0.81	1.73	2.46	24.8	41.2
14	689	0.45	1.26	2.28	3.01	21.1	36.6
15	493	0.41	0.88	2.36	2.81	18.3	34.3
16	227	0.41	0.82	2.81	2.91	17.2	29.1
17	15	*	*	5.60	6.01	*	26.7
18	2	-	-	*	*	0.00	00.0

¹ Legend D - decayed permanent teeth
 DMFT - decayed, missing or filled permanent teeth
 sd - standard deviation

TABLE 5: ALL TEETH: AGE-SPECIFIC PREVALENCE¹

This table uses State-wide data to describe the combined dmft and DMFT indices and their components for individual (year of birth) ages. Indices are calculated from data collected over a 12 month period. Where children received more than one examination during this period, the information derived from examinations other than the first is excluded. Age-specific indices denoted with an asterisk (*) are those in which the relative standard error exceeds 40 per cent, and population estimates of these indices are statistically unreliable.

State/Territory: Western Australia

Sampling ratio: 1:13

Data for period January-December 1993

Date of report: 20th September 1993

Age (years)	Number of children in sample	% of children with d+D=					% of children with		
		0	1	2	3	4+	m+M=0	f+F=0	dmft+DMFT=0
3	43	83.7	*	0.0	*	11.6	100	90.7	76.7
4	517	74.5	7.5	5.8	3.7	8.5	99.2	91.3	69.6
5	1166	70.8	10.3	7.4	3.6	8.0	98.7	84.0	64.1
6	1221	68.5	15.7	6.7	2.9	6.2	98.7	71.0	55.1
7	1267	68.0	16.2	8.1	3.9	3.9	99.1	63.1	50.2
8	1258	70.0	16.3	7.6	3.3	2.9	99.0	56.8	47.1
9	1424	68.2	18.1	8.0	3.0	2.7	98.8	48.8	36.2
10	1316	70.6	17.6	7.5	2.2	2.1	98.8	44.4	35.6
11	1284	74.2	17.0	5.7	1.8	1.3	97.7	50.7	42.3
12	1044	75.7	14.5	6.3	2.5	1.1	95.1	52.6	41.6
13	882	76.4	13.9	5.3	2.8	1.5	91.4	51.0	37.9
14	689	73.9	16.1	6.0	2.5	1.6	87.5	47.8	35.8
15	493	75.5	14.4	6.3	2.2	1.6	88.4	42.4	33.7
16	227	73.6	17.6	4.0	4.0	*	90.3	37.4	29.1
17	15	80.0	*	*	0.0	0.0	80.0	26.7	*
18	2	*	*	0.0	0.0	0.0	*	0.0	0.0

¹ Legend

- d - decayed deciduous teeth
- D - decayed permanent teeth
- m - deciduous teeth missing due to caries
- M - permanent teeth missing due to caries
- f - deciduous teeth restored due to caries
- F - permanent teeth restored due to caries
- dmft - decayed, missing or filled deciduous teeth
- DMFT - decayed, missing or filled permanent teeth

TABLE 6: FISSURE SEALANTS: AGE-SPECIFIC PREVALENCE¹

This table uses State-wide data to describe the distribution of fissure sealants for individual (year of birth) ages, along with the caries experience of those who have fissure sealants and those who do not. Indices are calculated from data collected over a 12 month period. Where children received more than one examination during this period, the information derived from examinations other than the first is excluded. Age-specific indices denoted with an asterisk (*) are those in which the relative standard error exceeds 40 per cent, and population estimates of these indices are statistically unreliable.

State/Territory: Western Australia

Sampling ratio: 1:13

Data for period January-December 1993

Date of report: 20th September 1993

Age (years)	Number of children in sample	Number of sealants		CHILDREN WITH DMFT=0		CHILDREN WITH DMFT=1+	
		mean	sd	number	% with F/S=1+	number	% with F/S=1+
6	1221	0.07	0.46	1170	2.2	51	17.6
7	1267	0.38	0.97	1131	15.8	136	25.7
8	1258	0.59	1.12	1054	27.1	204	30.4
9	1424	0.46	1.01	1069	22.8	355	21.1
10	1316	0.40	0.91	887	20.0	429	23.3
11	1284	0.37	0.92	802	17.3	482	18.7
12	1044	0.53	1.14	533	21.2	511	28.0
13	882	0.60	1.19	363	24.2	519	29.5
14	689	0.68	1.31	252	18.7	437	35.0
15	493	0.54	1.27	169	14.2	324	29.6
16	227	0.51	1.05	66	15.2	161	28.6
17	15	*	*	4	25.0	11	0.0
18	2	*	*	0	-	2	*

¹ Legend DMFT - decayed, missing or filled permanent teeth
 F/S - number of fissure sealed teeth
 sd - standard deviation

TABLE 7: IMMEDIATE TREATMENT NEEDS AGE-SPECIFIC DISTRIBUTION

**These data were not collected in Western Australia
during the period January-December 1993.**

**TABLE 8: SCHOOL DENTAL SERVICE EXAMINATION:
AGE-SPECIFIC DISTRIBUTION**

This table describes the percentage distribution of children who have received initial and subsequent dental examinations in the School Dental Service. Data from all examinations of children who were examined during the report period are included in this table; percentage estimates denoted with an asterisk (*) are those in which the relative standard error exceeds 40 per cent, and population estimates of these percentages are statistically unreliable.

State/Territory: **Western Australia**

Sampling ratio: **1:13**

Data for period **January-December 1993**

Date of report: **20th September 1993**

Age (years)	Number of children in sample	Has prior examination	First examination
4	517	24.4	75.6
5	1166	52.0	48.0
6	1221	87.3	12.7
7	1267	91.9	8.1
8	1258	91.7	8.3
9	1424	93.7	6.3
10	1316	94.5	5.5
11	1284	93.4	6.6
12	1044	94.3	5.7
13	882	95.7	4.3
14	689	95.4	4.6
15	493	94.3	5.7
16	227	94.7	5.3
17	15	93.3	6.7
18	2	100	0.0

TABLE 9: DECIDUOUS TEETH: AGE SPECIFIC PREVALENCE

The State-wide data are broken down into regional estimates of the prevalence of the dmf index and its components; a State total is also provided in Table 3. Indexes are calculated from data collected over a 12 month period, and information derived from subsequent examinations of a child in this period is excluded. Age group-specific indexes denoted with an asterisk (*) are those in which the relative standard error exceeds 40 per cent, and population estimates of these indexes are statistically unreliable.

State/Territory: Western Australia

Sampling ratio: 1:13

Data for period January-December 1993

Date of report: 20th September 1993

dmf: PREVALENCE FOR AGE GROUPS

Age (years)	Number of children in sample ²	decayed		dmf		d/dmf %	Children with dmf=0 %
		mean	sd	mean	sd		
Area: Central 01							
6	55	0.56	1.25	1.23	1.88	47.1	60.4
7	44	0.38	0.99	1.24	1.97	34.7	54.8
8	59	0.49	0.97	1.60	2.13	33.4	50.9
9	55	0.49	1.02	1.70	1.95	26.0	42.9
10	65	0.35	0.56	1.29	1.90	35.7	50.7
Area: Central 02							
6	87	0.70	1.62	1.55	2.73	44.8	60.5
7	87	0.60	1.47	1.81	2.65	29.0	49.4
8	72	0.44	0.89	1.71	2.26	28.5	44.3
9	79	0.41	0.92	1.57	2.13	29.3	49.5
10	72	0.35	0.64	1.12	1.45	38.2	49.4
Area: Central 03							
6	63	0.33	0.92	1.25	2.14	30.9	60.0
7	65	0.27	0.63	1.21	1.97	28.7	58.1
8	71	0.36	0.66	1.42	2.05	33.4	50.7
9	59	0.51	1.03	1.78	2.00	33.9	39.7
10	63	0.27	0.77	1.33	1.77	20.6	46.3

(continued over)

² Data are weighted to reflect the sampling scheme by correcting for the over-representation in the sample of children with an unknown date of birth. Data relating to second or subsequent examinations of children within this reporting period are eliminated.

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Age (years)	Number of children in sample ²	decayed		dmf		d/dmf %	Children with dmf=0 %
		mean	sd	mean	sd		
Area: Central 04							
6	74	0.31	0.64	0.94	1.56	49.4	59.4
7	46	0.36	0.92	1.18	1.92	29.9	54.5
8	67	0.46	1.03	1.23	1.60	39.3	50.8
9	52	0.22	0.49	1.17	1.81	27.3	58.3
10	50	0.36	0.83	1.43	1.85	25.9	47.2
Area: Central 05							
6	14	1.17	1.93	2.25	3.57	48.9	58.3
7	19	0.50	1.04	0.83	2.12	74.1	66.7
8	8	1.13	1.24	2.13	2.84	69.0	50.0
9	11	0.92	1.04	2.38	1.62	35.6	15.4
10	8	0.78	0.98	2.11	1.54	40.5	22.2
Area: Central 06							
6	39	1.06	2.07	2.32	3.86	51.5	55.9
7	43	0.46	1.07	1.59	2.21	19.3	46.3
8	37	0.25	0.60	1.22	1.90	30.2	61.1
9	34	0.28	0.51	1.41	1.82	22.4	48.7
10	29	0.26	0.58	1.42	1.98	30.4	45.2
Area: Central 07							
6	55	1.10	1.83	2.02	3.35	61.4	52.1
7	39	0.35	0.79	1.14	1.93	27.8	62.2
8	58	0.46	0.69	1.95	2.20	31.0	42.9
9	57	0.20	0.44	1.50	1.96	20.9	43.9
10	54	0.19	0.44	1.53	2.09	13.2	53.4
Area: Central 08							
6	5	0.00	0.00	0.75	0.94	0.0	50.0
7	2	1.50	2.07	5.50	7.60	27.3	50.0
8	2	0.00	0.00	0.00	0.00	—	100.0
9	3	0.33	0.60	1.33	1.20	25.0	33.3
10	5	0.00	0.00	2.20	2.30	0.0	40.0

(continued over)

² Data are weighted to reflect the sampling scheme by correcting for the over-representation in the sample of children with an unknown date of birth. Data relating to second or subsequent examinations of children within this reporting period are eliminated.

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Age (years)	Number of children in sample ²	decayed		dmf		d/dmf %	Children with dmf=0 %
		mean	sd	mean	sd		
Area: Metro 01							
6	15	0.31	0.48	0.77	1.29	43.8	69.2
7	6	0.00	0.00	0.00	0.00	—	100.0
8	7	0.00	0.00	0.43	1.13	0.0	85.7
9	14	0.37	0.62	1.19	1.69	51.2	56.2
10	17	0.11	0.47	1.50	1.58	9.09	38.9
Area: North 01							
6	40	0.26	0.56	0.80	1.69	41.2	71.4
7	66	0.43	1.03	1.79	2.99	28.2	63.5
8	41	0.28	0.75	1.25	2.20	26.1	65.0
9	53	0.30	0.62	0.97	1.56	37.1	52.5
10	44	0.23	0.60	0.98	1.41	23.6	59.6
Area: North 02							
6	76	0.33	0.86	1.00	2.16	52.7	65.2
7	62	0.66	1.42	1.03	2.05	65.6	67.8
8	53	0.29	0.54	1.31	1.69	30.0	42.3
9	63	0.49	0.88	1.22	1.71	46.5	52.1
10	70	0.28	0.58	1.17	1.71	26.4	52.0
Area: North 03							
6	94	0.50	1.02	1.54	2.67	40.0	58.5
7	79	0.44	0.89	1.31	2.05	40.6	53.3
8	89	0.41	0.90	1.41	2.07	30.3	54.0
9	72	0.24	0.64	1.70	2.17	17.8	42.2
10	81	0.23	0.52	1.44	2.37	22.5	58.6
Area: North 04							
6	45	0.23	0.67	0.59	1.53	34.9	79.5
7	54	0.35	0.77	1.12	2.11	40.1	64.7
8	45	0.27	0.54	1.11	1.91	32.3	63.6
9	59	0.29	0.87	1.26	1.88	29.8	58.8
10	40	0.26	0.69	1.56	2.12	14.7	46.5

(continued over)

² Data are weighted to reflect the sampling scheme by correcting for the over-representation in the sample of children with an unknown date of birth. Data relating to second or subsequent examinations of children within this reporting period are eliminated.

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Age (years)	Number of children in sample ²	decayed		dmf		d/dmf %	Children with dmf=0 %
		mean	sd	mean	sd		
Area: North 05							
6	40	0.34	0.76	0.71	1.40	47.5	71.4
7	68	0.40	0.81	1.06	1.87	44.2	66.2
8	59	0.19	0.77	1.05	1.83	14.6	61.4
9	64	0.22	0.65	1.23	1.76	18.5	48.6
10	62	0.35	0.92	1.30	1.62	27.6	47.0
Area: North 06							
6	41	0.78	1.24	1.89	2.53	46.1	38.9
7	40	0.50	0.83	1.95	2.43	38.4	42.1
8	49	0.63	1.06	2.44	2.78	31.8	29.2
9	32	0.16	0.44	2.00	2.16	11.9	35.1
10	47	0.26	0.66	1.62	1.81	13.9	42.0
Area: North 08							
6	8	0.14	0.37	0.43	0.78	25.0	71.4
7	9	1.22	1.48	2.33	2.17	58.3	33.3
8	2	0.00	0.00	1.50	2.09	0.0	50.0
9	10	0.27	0.47	1.36	1.22	37.5	27.3
10	5	1.00	1.75	2.40	2.91	35.7	40.0
Area: North 09							
6	21	0.61	1.61	0.78	1.62	60.0	72.2
7	29	1.11	1.91	2.46	2.91	42.4	35.7
8	15	0.53	1.06	1.27	2.28	42.5	53.3
9	23	0.58	1.18	1.62	2.80	49.8	57.7
10	22	0.17	0.49	0.91	2.00	26.8	65.2
Area: North 10							
6	38	0.88	1.78	2.06	2.95	38.0	48.5
7	38	0.47	0.94	2.06	2.63	24.3	44.4
8	31	0.47	1.01	1.63	2.30	29.8	46.7
9	33	0.45	0.76	2.26	2.51	26.1	31.6
10	26	0.04	0.19	0.93	1.52	4.55	60.7

(continued over)

² Data are weighted to reflect the sampling scheme by correcting for the over-representation in the sample of children with an unknown date of birth. Data relating to second or subsequent examinations of children within this reporting period are eliminated.

(continued from previous page)

Age (years)	Number of children in sample ²	decayed		dmf		d/dmf %	Children with dmf=0 %
		mean	sd	mean	sd		
Area: South 01							
6	46	0.55	0.93	1.80	2.11	35.0	42.5
7	63	0.38	0.64	1.60	2.29	33.5	51.7
8	40	0.51	0.88	1.87	2.10	30.0	38.5
9	53	0.46	0.81	2.25	2.48	29.9	37.7
10	51	0.27	0.65	1.64	2.20	19.6	47.3
Area: South 02							
6	61	0.30	0.89	1.19	2.19	33.5	66.0
7	41	0.21	0.73	0.72	1.57	21.3	74.4
8	67	0.17	0.45	0.98	2.03	22.8	70.8
9	57	0.22	0.45	1.17	1.78	30.3	55.4
10	49	0.35	0.68	1.83	2.33	20.8	42.3
Area: South 03							
6	55	0.42	0.89	1.10	1.92	45.8	66.7
7	67	0.39	0.87	0.91	1.66	55.2	64.1
8	47	0.30	0.76	1.11	1.93	28.9	60.9
9	56	0.55	1.26	1.41	2.23	37.7	53.1
10	57	0.31	0.65	1.38	1.81	23.6	44.3
Area: South 04							
6	89	0.64	1.35	1.82	2.79	35.4	49.4
7	75	0.25	0.67	1.37	1.84	23.0	53.5
8	101	0.22	0.55	1.32	1.90	21.1	55.1
9	85	0.48	1.12	1.69	2.02	26.1	41.8
10	96	0.15	0.51	1.27	1.90	8.68	58.3
Area: South 05							
6	71	1.37	2.03	2.37	2.76	55.7	37.1
7	60	0.82	1.12	1.81	2.10	46.6	42.1
8	62	0.40	0.81	1.60	2.19	34.2	45.0
9	35	0.60	1.08	2.40	2.31	29.9	30.0
10	56	0.58	1.08	2.33	2.71	26.5	38.3

(continued over)

² Data are weighted to reflect the sampling scheme by correcting for the over-representation in the sample of children with an unknown date of birth. Data relating to second or subsequent examinations of children within this reporting period are eliminated.

(continued from previous page)

Age (years)	Number of children in sample ²	decayed		dmf		d/dmf %	Children with dmf=0 %
		mean	sd	mean	sd		
Area: South 06							
6	31	0.96	1.31	2.56	2.97	55.6	37.0
7	48	0.89	2.20	2.37	2.80	29.2	32.6
8	42	0.56	1.67	2.34	3.01	19.0	46.3
9	37	0.33	0.76	2.12	2.60	23.7	45.2
10	38	0.24	0.73	1.95	1.92	14.4	31.7
Area: South 07							
6	36	0.42	0.62	1.52	2.20	43.8	51.6
7	49	0.55	0.83	1.79	2.37	39.4	40.4
8	36	0.43	0.78	1.83	2.32	30.2	45.7
9	43	0.47	0.85	2.08	2.24	28.8	30.6
10	45	0.31	0.78	1.50	1.95	16.0	47.9
Area: South 08							
6	14	0.75	1.41	0.92	1.43	75.0	66.7
7	14	1.46	1.66	2.23	1.96	75.0	38.5
8	9	0.56	0.73	1.89	1.53	39.3	22.2
9	10	0.83	1.04	2.33	2.29	52.1	33.3
10	6	0.17	0.41	1.50	1.65	11.1	50.0

² Data are weighted to reflect the sampling scheme by correcting for the over-representation in the sample of children with an unknown date of birth. Data relating to second or subsequent examinations of children within this reporting period are eliminated.

TABLE 10: PERMANENT TEETH: AGE SPECIFIC PREVALENCE

The State-wide data are broken down into regional estimates of the prevalence of the DMF index and its components; a State total is also provided in Table 4. Indexes are calculated from data collected over a 12 month period, and information derived from subsequent examinations of a child in this period is excluded. Age group-specific indexes denoted with an asterisk (*) are those in which the relative standard error exceeds 40 per cent, and population estimates of these indexes are statistically unreliable.

State/Territory:
Sampling ratio:

Western Australia
1:13

Data for period January-December 1993
20th September 1993

Date of report:

DMF:PREVALENCE FOR AGE GROUPS

Age (years)	Number of children in sample ²	DECAYED		DMF		D/DMF %	Children with DMF=0 %
		mean	sd	mean	sd		
Area: Central 01							
6	54	0.08	0.40	0.08	0.40	100.0	95.8
7	43	0.17	0.44	0.17	0.44	100.0	85.7
8	57	0.19	0.55	0.37	0.77	48.7	77.2
9	54	0.14	0.44	0.48	0.86	36.8	69.8
10	63	0.23	0.52	0.68	1.16	38.2	65.2
11	49	0.25	0.52	0.88	1.31	39.5	56.9
12	62	0.32	0.64	1.45	1.67	26.3	39.6
Area: Central 02							
6	86	0.04	0.25	0.08	0.42	55.6	96.1
7	85	0.22	0.56	0.25	0.62	88.5	84.3
8	71	0.09	0.28	0.19	0.62	68.8	88.6
9	77	0.37	0.69	0.69	1.03	61.5	59.3
10	71	0.16	0.40	0.62	1.04	27.8	64.9
11	80	0.20	0.44	0.77	1.15	27.5	56.6
12	72	0.40	0.89	1.18	1.79	36.7	51.6

(continued over)

² Data are weighted to reflect the sampling scheme by correcting for the over-representation in the sample of children with an unknown date of birth. Data relating to second or subsequent examinations of children within this reporting period are eliminated.

(continued from previous page)

DMF:PREVALENCE FOR AGE GROUPS

Age (years)	Number of children in sample ²	DECAYED		DMF		D/DMF %	Children with DMF=0 %
		mean	sd	mean	sd		
Area: Central 03							
6	62	0.00	0.00	0.00	0.00	—	100.0
7	64	0.13	0.42	0.19	0.62	71.4	88.7
8	70	0.03	0.17	0.12	0.44	33.3	91.3
9	58	0.10	0.31	0.40	0.81	32.4	73.5
10	61	0.09	0.38	0.34	0.91	25.0	85.1
11	63	0.15	0.57	0.97	3.10	20.2	66.2
12	49	0.31	0.68	0.79	1.05	37.9	52.4
Area: Central 04							
6	72	0.00	0.00	0.03	0.18	0.0	96.9
7	45	0.16	0.53	0.23	0.68	67.9	84.1
8	65	0.17	0.55	0.23	0.66	70.4	86.2
9	51	0.07	0.25	0.28	0.69	22.9	80.0
10	49	0.30	0.77	0.62	1.04	45.6	64.2
11	50	0.21	0.54	0.75	1.64	30.8	73.1
12	71	0.21	0.52	1.05	1.32	23.3	42.6
Area: Central 05							
6	14	0.00	0.00	0.00	0.00	—	100.0
7	19	0.00	0.00	0.00	0.00	—	100.0
8	8	0.25	0.46	0.38	0.74	75.0	75.0
9	11	0.08	0.28	0.08	0.28	100.0	92.3
10	8	0.00	0.00	0.33	0.71	0.0	77.8
11	13	0.23	0.44	0.85	0.90	31.3	38.5
12	10	0.33	0.99	1.67	2.04	12.0	44.4
Area: Central 06							
6	38	0.03	0.17	0.03	0.17	100.0	97.1
7	42	0.00	0.00	0.00	0.00	—	100.0
8	36	0.11	0.40	0.19	0.58	53.3	86.1
9	33	0.08	0.36	0.26	0.60	21.4	82.1
10	28	0.10	0.40	0.48	0.93	20.8	74.2
11	31	0.25	0.51	0.66	0.90	42.3	59.4
12	24	0.33	0.66	1.57	1.53	18.6	38.1

(continued over)

² Data are weighted to reflect the sampling scheme by correcting for the over-representation in the sample of children with an unknown date of birth. Data relating to second or subsequent examinations of children within this reporting period are eliminated.

(continued from previous page)

DMF:PREVALENCE FOR AGE GROUPS

Age (years)	Number of children in sample ²	DECAYED		DMF		D/DMF %	Children with DMF=0 %
		mean	sd	mean	sd		
Area: Central 07							
6	54	0.06	0.43	0.08	0.58	75.0	97.9
7	38	0.08	0.36	0.08	0.36	100.0	94.6
8	56	0.11	0.41	0.16	0.60	66.7	91.1
9	56	0.15	0.56	0.45	0.98	31.1	77.3
10	53	0.02	0.13	0.16	0.49	16.7	89.7
11	45	0.06	0.32	0.68	1.20	10.0	68.1
12	40	0.15	0.56	0.85	1.37	12.5	52.9
Area: Central 08							
6	5	0.00	0.00	0.00	0.00	—	100.0
7	2	0.00	0.00	0.00	0.00	—	100.0
8	2	0.00	0.00	0.00	0.00	—	100.0
9	3	0.00	0.00	1.33	0.60	0.0	0.0
10	5	0.00	0.00	0.40	0.90	0.0	80.0
11	4	0.00	0.00	0.00	0.00	—	100.0
12	1	0.00	—	2.00	—	0.0	0.0
Area: Metro 01							
6	15	0.00	0.00	0.00	0.00	—	100.0
7	6	0.50	1.22	0.50	1.22	100.0	83.3
8	7	0.29	0.49	0.86	1.46	33.3	71.4
9	14	0.25	0.69	0.25	0.69	100.0	87.5
10	17	0.33	0.77	0.67	0.97	41.7	55.6
11	8	0.25	0.46	0.50	0.76	50.0	62.5
12	10	1.11	1.68	1.67	2.04	75.0	55.6
Area: North 01							
6	39	0.03	0.17	0.03	0.17	100.0	97.1
7	65	0.10	0.35	0.21	0.68	64.3	88.9
8	40	0.05	0.22	0.22	0.62	25.0	85.0
9	52	0.05	0.22	0.28	0.66	27.3	82.0
10	43	0.09	0.35	0.55	0.95	16.7	66.0
11	62	0.14	0.50	0.73	1.53	23.5	65.6
12	64	0.07	0.32	0.82	1.28	10.7	61.8

(continued over)

² Data are weighted to reflect the sampling scheme by correcting for the over-representation in the sample of children with an unknown date of birth. Data relating to second or subsequent examinations of children within this reporting period are eliminated.

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DMF:PREVALENCE FOR AGE GROUPS

Age (years)	Number of children in sample ²	DECAYED		DMF		D/DMF %	Children with DMF=0 %
		mean	sd	mean	sd		
Area: North 02							
6	74	0.08	0.27	0.08	0.27	100.0	92.4
7	61	0.10	0.30	0.17	0.46	75.0	86.4
8	52	0.12	0.38	0.23	0.51	45.0	80.8
9	62	0.26	0.55	0.84	1.29	33.3	58.9
10	69	0.24	0.54	0.65	1.02	37.6	61.3
11	90	0.28	0.56	0.62	1.03	52.8	64.5
12	52	0.60	1.07	1.58	1.68	45.4	31.1
Area: North 03							
6	92	0.01	0.11	0.04	0.19	33.3	96.3
7	77	0.08	0.27	0.15	0.39	55.0	86.7
8	88	0.11	0.42	0.25	0.61	44.4	82.8
9	71	0.13	0.51	0.41	0.81	26.1	73.5
10	80	0.15	0.50	0.75	1.14	21.0	62.1
11	55	0.16	0.53	0.74	1.16	15.0	59.6
12	73	0.22	0.61	1.00	1.46	19.5	54.0
Area: North 04							
6	44	0.05	0.22	0.05	0.22	100.0	94.9
7	53	0.00	0.00	0.00	0.00	—	100.0
8	44	0.23	0.56	0.36	0.65	58.3	72.7
9	58	0.10	0.46	0.34	0.86	27.1	82.4
10	39	0.16	0.58	0.56	1.08	25.7	67.4
11	54	0.14	0.40	0.52	0.91	35.3	69.6
12	50	0.35	0.75	1.35	1.82	30.8	44.2
Area: North 05							
6	39	0.03	0.17	0.03	0.17	100.0	97.1
7	67	0.14	0.50	0.18	0.53	62.5	87.7
8	57	0.12	0.50	0.19	0.58	57.1	87.7
9	63	0.04	0.20	0.19	0.61	27.8	87.8
10	61	0.08	0.32	0.38	0.91	16.7	81.8
11	62	0.09	0.39	0.98	1.24	8.85	50.0
12	63	0.31	0.64	1.28	1.58	24.1	50.0

(continued over)

² Data are weighted to reflect the sampling scheme by correcting for the over-representation in the sample of children with an unknown date of birth. Data relating to second or subsequent examinations of children within this reporting period are eliminated.

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DMF:PREVALENCE FOR AGE GROUPS

Age (years)	Number of children in sample ²	DECAYED		DMF		D/DMF %	Children with DMF=0 %
		mean	sd	mean	sd		
Area: North 06							
6	41	0.08	0.50	0.11	0.52	50.0	94.4
7	39	0.05	0.23	0.16	0.68	66.7	92.1
8	48	0.23	0.52	0.31	0.62	72.7	77.1
9	32	0.08	0.28	0.27	0.61	35.7	81.1
10	46	0.26	0.53	0.52	0.97	61.9	68.0
11	37	0.11	0.39	0.37	0.71	22.2	76.3
12	35	0.13	0.34	1.07	1.43	26.7	50.0
Area: North 08							
6	8	0.00	0.00	0.00	0.00	—	100.0
7	9	0.00	0.00	0.00	0.00	—	100.0
8	2	0.00	0.00	0.00	0.00	—	100.0
9	9	0.45	0.69	0.82	1.09	53.3	54.5
10	5	0.80	1.11	0.80	1.11	100.0	60.0
11	7	0.00	0.00	0.86	0.69	0.0	28.6
12	9	0.50	1.40	1.75	2.03	25.0	50.0
Area: North 09							
6	20	0.00	0.00	0.00	0.00	—	100.0
7	29	0.18	0.77	0.18	0.77	100.0	92.9
8	15	0.07	0.26	0.20	0.56	50.0	86.7
9	22	0.08	0.27	0.35	0.80	16.7	80.8
10	21	0.13	0.35	0.61	0.89	20.4	60.9
11	20	0.19	0.51	0.67	0.97	25.0	52.4
12	15	0.23	0.60	1.23	1.78	16.7	61.5
Area: North 10							
6	37	0.15	0.51	0.15	0.51	100.0	90.9
7	37	0.14	0.42	0.22	0.54	66.7	83.3
8	30	0.13	0.35	0.33	0.66	42.9	76.7
9	32	0.11	0.31	0.37	0.68	35.0	73.7
10	26	0.11	0.32	1.00	1.22	10.6	46.4
11	23	0.29	0.62	0.88	0.90	35.7	41.7
12	22	0.21	0.53	1.42	2.03	19.8	52.6

(continued over)

² Data are weighted to reflect the sampling scheme by correcting for the over-representation in the sample of children with an unknown date of birth. Data relating to second or subsequent examinations of children within this reporting period are eliminated.

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DMF:PREVALENCE FOR AGE GROUPS

Age (years)	Number of children in sample ²	DECAYED		DMF		D/DMF %	Children with DMF=0 %
		mean	sd	mean	sd		
Area: South 01							
6	45	0.07	0.47	0.07	0.47	100.0	97.5
7	62	0.12	0.42	0.12	0.42	100.0	91.7
8	39	0.21	0.47	0.33	0.74	66.7	79.5
9	52	0.23	0.69	0.52	1.12	36.1	75.4
10	50	0.16	0.42	0.36	0.73	48.8	74.5
11	51	0.28	0.63	0.79	1.12	36.5	60.4
12	56	0.31	1.11	1.40	2.30	21.8	58.3
Area: South 02							
6	60	0.02	0.14	0.02	0.14	100.0	98.1
7	40	0.03	0.16	0.05	0.22	50.0	94.9
8	65	0.05	0.28	0.15	0.54	25.0	90.8
9	55	0.18	0.53	0.32	0.69	55.6	76.9
10	48	0.19	0.49	0.60	1.07	37.5	69.2
11	44	0.11	0.31	0.96	2.36	31.3	65.2
12	62	0.23	0.61	1.23	3.55	34.3	62.3
Area: South 03							
6	54	0.10	0.42	0.15	0.50	75.0	91.7
7	66	0.25	0.62	0.28	0.70	89.6	81.3
8	46	0.20	0.54	0.24	0.70	88.9	87.0
9	55	0.33	0.74	0.58	0.99	54.5	65.6
10	56	0.28	0.61	0.72	1.04	44.0	59.0
11	69	0.35	0.74	0.90	1.15	37.1	50.7
12	68	0.33	0.76	1.22	1.60	26.3	50.0
Area: South 04							
6	87	0.08	0.35	0.12	0.54	70.0	93.5
7	73	0.11	0.46	0.13	0.48	80.0	93.0
8	99	0.18	0.66	0.30	0.79	54.2	83.7
9	83	0.17	0.61	0.51	1.03	36.8	75.5
10	94	0.31	0.61	0.81	1.28	46.2	59.2
11	79	0.23	0.55	0.57	0.99	45.8	68.3
12	76	0.25	0.68	1.00	1.67	27.2	60.0

(continued over)

² Data are weighted to reflect the sampling scheme by correcting for the over-representation in the sample of children with an unknown date of birth. Data relating to second or subsequent examinations of children within this reporting period are eliminated.

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DMF:PREVALENCE FOR AGE GROUPS

Age (years)	Number of children in sample ²	DECAYED		DMF		D/DMF %	Children with DMF=0 %
		mean	sd	mean	sd		
Area: South 05							
6	70	0.00	0.00	0.08	0.63	0.0	98.4
7	59	0.07	0.32	0.12	0.38	50.0	89.5
8	60	0.17	0.49	0.27	0.66	66.7	81.7
9	34	0.22	0.66	0.45	0.99	50.0	80.0
10	55	0.33	0.71	0.78	1.26	54.4	60.0
11	57	0.25	0.60	0.73	1.14	38.4	61.0
12	76	0.46	0.98	1.14	1.73	38.9	53.8
Area: South 06							
6	30	0.15	0.46	0.15	0.46	100.0	88.9
7	47	0.04	0.21	0.15	0.42	25.0	87.0
8	41	0.15	0.48	0.32	0.91	42.9	82.9
9	36	0.12	0.40	0.38	0.73	33.3	73.8
10	38	0.10	0.49	0.41	0.98	25.0	80.5
11	48	0.08	0.27	0.78	1.36	6.86	66.0
12	38	0.24	0.56	1.15	1.78	23.1	57.6
Area: South 07							
6	35	0.13	0.56	0.16	0.64	75.0	93.5
7	48	0.04	0.29	0.04	0.29	100.0	97.9
8	35	0.14	0.35	0.29	0.62	57.1	80.0
9	42	0.14	0.35	0.37	0.70	45.8	75.5
10	44	0.15	0.36	0.69	1.10	27.5	64.6
11	37	0.16	0.59	0.42	0.89	24.2	73.7
12	27	0.39	0.94	1.91	2.90	19.7	47.8
Area: South 08							
6	14	0.08	0.29	0.08	0.29	100.0	91.7
7	13	0.31	0.48	0.46	0.78	75.0	69.2
8	9	0.56	1.13	0.78	1.56	70.8	77.8
9	10	0.00	0.00	0.25	0.63	0.0	83.3
10	6	0.00	0.00	0.33	0.52	0.0	66.7
11	11	0.64	0.93	0.82	1.17	86.7	54.5
12	9	0.13	0.35	0.88	1.34	6.25	50.0

² Data are weighted to reflect the sampling scheme by correcting for the over-representation in the sample of children with an unknown date of birth. Data relating to second or subsequent examinations of children within this reporting period are eliminated.

TABLE 11: AGE SPECIFIC DMF AND dmF PREVALENCE (PERCENTAGE)

The State-wide data are broken down into regional estimates of the prevalence of the combined components of the dmF and DMF. Indexes are calculated from data collected over a 12 month period, and information derived from subsequent examinations of a child in this period are excluded. Age group-specific indexes denoted with an asterisk (*) are those in which the relative standard error exceeds 40 per cent, and population estimates of these indexes are statistically unreliable.

State/Territory:
Sampling ratio:

Western Australia
1:13

Data for period January-December 1993
20th September 1993

Date of report:

DMF:PREVALENCE FOR AGE GROUPS

Age (years)	Number of children in sample ²	% of children with d+D=					% of children with		
		0	1	2	3	≥4	m+M=0	f+F=0	dmf+DMF=0
Area: Central 01									
6	54	72.9	8.3	10.4	2.1	6.2	100.0	75.0	58.3
7	43	69.0	19.0	4.8	2.4	4.8	100.0	66.7	47.6
8	57	64.9	17.5	7.0	5.3	5.3	98.2	54.4	45.6
9	54	65.1	17.5	9.5	4.8	3.2	98.4	42.9	33.3
10	63	59.4	26.1	11.6	2.9	0.0	97.1	49.3	36.2
11	49	74.5	17.6	2.0	5.9	0.0	96.1	49.0	41.2
12	62	77.4	11.3	11.3	0.0	0.0	92.5	45.3	34.0
Area: Central 02									
6	86	71.1	13.2	6.6	1.3	7.9	98.7	71.1	57.9
7	85	66.3	15.7	8.4	1.2	8.4	100.0	55.4	44.6
8	71	65.7	22.9	5.7	4.3	1.4	98.6	51.4	41.4
9	77	58.2	19.8	14.3	4.4	3.3	97.8	49.5	34.1
10	71	68.8	16.9	10.4	2.6	1.3	98.7	48.1	40.3
11	80	71.1	24.1	2.4	1.2	1.2	96.4	50.6	41.0
12	72	72.6	21.0	1.6	3.2	1.6	96.8	51.6	40.3

(continued over)

² Data are weighted to reflect the sampling scheme by correcting for the over-representation in the sample of children with an unknown date of birth. Data relating to second or subsequent examinations of children within this reporting period are eliminated.

(continued from previous page)

DMF:PREVALENCE FOR AGE GROUPS

Age (years)	Number of children in sample ²	% of children with d+D=					% of children with		
		0	1	2	3	≥4	m+M=0	f+F=0	dmf+DMF=0
Area: Central 03									
6	62	83.6	9.1	1.8	3.6	1.8	100.0	69.1	60.0
7	64	72.6	17.7	6.5	3.2	0.0	100.0	61.3	56.5
8	70	73.9	13.0	13.0	0.0	0.0	98.6	62.3	50.7
9	58	66.2	19.1	5.9	5.9	2.9	100.0	47.1	30.9
10	61	79.1	14.9	3.0	0.0	3.0	98.5	46.3	40.3
11	63	81.5	12.3	3.1	0.0	3.1	100.0	43.1	40.0
12	49	76.2	16.7	4.8	2.4	0.0	97.6	54.8	38.1
Area: Central 04									
6	72	76.6	17.2	4.7	1.6	0.0	100.0	76.6	59.4
7	45	72.7	15.9	2.3	6.8	2.3	100.0	61.4	50.0
8	65	69.2	18.5	3.1	3.1	6.2	100.0	64.6	50.8
9	51	76.7	18.3	5.0	0.0	0.0	100.0	55.0	46.7
10	49	66.0	15.1	9.4	5.7	3.8	98.1	47.2	34.0
11	50	80.8	11.5	7.7	0.0	0.0	96.2	57.7	50.0
12	71	75.4	18.0	6.6	0.0	0.0	95.1	47.5	36.1
Area: Central 05									
6	14	66.7	0.0	16.7	0.0	16.7	100.0	66.7	58.3
7	19	72.2	16.7	5.6	0.0	5.6	100.0	88.9	66.7
8	8	50.0	0.0	12.5	37.5	0.0	100.0	75.0	50.0
9	11	46.2	23.1	15.4	15.4	0.0	100.0	23.1	15.4
10	8	55.6	11.1	33.3	0.0	0.0	100.0	33.3	22.2
11	13	61.5	15.4	7.7	7.7	7.7	100.0	46.2	30.8
12	10	66.7	11.1	0.0	22.2	0.0	88.9	44.4	44.4
Area: Central 06									
6	38	58.8	23.5	5.9	0.0	11.8	97.1	70.6	52.9
7	42	78.0	9.8	4.9	4.9	2.4	100.0	48.8	46.3
8	36	77.8	8.3	13.9	0.0	0.0	100.0	63.9	58.3
9	33	71.8	23.1	2.6	2.6	0.0	100.0	41.0	35.9
10	28	74.2	16.1	9.7	0.0	0.0	100.0	51.6	41.9
11	31	65.6	25.0	9.4	0.0	0.0	100.0	37.5	31.3
12	24	71.4	14.3	14.3	0.0	0.0	95.2	33.3	28.6

(continued over)

² Data are weighted to reflect the sampling scheme by correcting for the over-representation in the sample of children with an unknown date of birth. Data relating to second or subsequent examinations of children within this reporting period are eliminated.

(continued from previous page)

DMF:PREVALENCE FOR AGE GROUPS

Age (years)	Number of children in sample ²	% of children with d+D=					% of children with		
		0	1	2	3	≥4	m+M=0	f+F=0	dmf+DMF=0
Area: Central 07									
6	54	60.4	12.5	6.2	6.2	14.6	100.0	68.7	50.0
7	38	75.7	8.1	13.5	2.7	0.0	100.0	67.6	56.8
8	56	60.7	26.8	7.1	5.4	0.0	100.0	50.0	41.1
9	56	77.3	13.6	7.6	0.0	1.5	100.0	45.5	37.9
10	53	81.0	17.2	1.7	0.0	0.0	100.0	46.6	43.1
11	45	93.6	2.1	4.3	0.0	0.0	97.9	57.4	51.1
12	40	88.2	8.8	0.0	2.9	0.0	97.1	47.1	41.2
Area: Central 08									
6	5	100.0	0.0	0.0	0.0	0.0	100.0	50.0	50.0
7	2	50.0	0.0	0.0	50.0	0.0	100.0	50.0	50.0
8	2	100.0	0.0	0.0	0.0	0.0	100.0	100.0	100.0
9	3	66.7	33.3	0.0	0.0	0.0	100.0	0.0	0.0
10	5	100.0	0.0	0.0	0.0	0.0	100.0	40.0	40.0
11	4	75.0	25.0	0.0	0.0	0.0	100.0	75.0	75.0
12	1	100.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
Area: Metro 01									
6	15	69.2	30.8	0.0	0.0	0.0	100.0	69.2	69.2
7	6	83.3	0.0	0.0	16.7	0.0	100.0	100.0	83.3
8	7	71.4	28.6	0.0	0.0	0.0	100.0	57.1	57.1
9	14	62.5	18.7	12.5	6.2	0.0	100.0	75.0	50.0
10	17	72.2	16.7	5.6	5.6	0.0	100.0	38.9	27.8
11	8	75.0	25.0	0.0	0.0	0.0	100.0	75.0	62.5
12	10	66.7	0.0	0.0	22.2	11.1	88.9	77.8	44.4
Area: North 01									
6	39	80.0	14.3	2.9	2.9	0.0	100.0	80.0	71.4
7	65	74.6	14.3	3.2	3.2	4.8	96.8	65.1	60.3
8	40	77.5	17.5	2.5	0.0	2.5	100.0	62.5	55.0
9	52	73.8	19.7	4.9	1.6	0.0	98.4	60.7	44.3
10	43	78.7	12.8	6.4	2.1	0.0	97.9	51.1	46.8
11	62	70.3	14.1	12.5	3.1	0.0	98.4	40.6	37.5
12	64	89.1	9.1	1.8	0.0	0.0	94.5	63.6	54.5

(continued over)

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(continued from previous page)

DMF:PREVALENCE FOR AGE GROUPS

Age (years)	Number of children in sample ²	% of children with d+D=					% of children with		
		0	1	2	3	≥4	m+M=0	f+F=0	dmf+DMF=0
Area: North 02									
6	74	72.7	21.2	3.0	1.5	1.5	100.0	80.3	60.6
7	61	66.1	13.6	11.9	1.7	6.8	100.0	78.0	61.0
8	52	71.2	21.2	3.8	3.8	0.0	100.0	48.1	40.4
9	62	56.2	23.3	9.6	11.0	0.0	97.3	47.9	31.5
10	69	65.3	24.0	6.7	1.3	2.7	97.3	45.3	34.7
11	90	69.9	22.6	6.5	1.1	0.0	100.0	62.4	47.3
12	52	55.6	26.7	11.1	2.2	4.4	95.6	51.1	28.9
Area: North 03									
6	92	72.0	15.9	6.1	1.2	4.9	100.0	68.3	56.1
7	77	68.0	21.3	5.3	1.3	4.0	98.7	61.3	48.0
8	88	71.3	14.9	9.2	0.0	4.6	98.9	57.5	49.4
9	71	77.1	15.7	3.6	1.2	2.4	97.6	42.2	36.1
10	80	74.7	14.9	8.0	2.3	0.0	100.0	44.8	40.2
11	55	73.7	15.8	5.3	5.3	0.0	96.5	49.1	43.9
12	73	82.5	9.5	4.8	3.2	0.0	96.8	52.4	47.6
Area: North 04									
6	44	84.6	5.1	7.7	2.6	0.0	100.0	82.1	76.9
7	53	78.4	11.8	5.9	3.9	0.0	100.0	74.5	64.7
8	44	70.5	13.6	11.4	4.5	0.0	97.7	68.2	56.8
9	58	79.4	11.8	4.4	1.5	2.9	98.5	60.3	50.0
10	39	79.1	11.6	2.3	4.7	2.3	100.0	37.2	32.6
11	54	80.4	16.1	1.8	1.8	0.0	96.4	60.7	57.1
12	50	79.1	7.0	11.6	2.3	0.0	95.3	55.8	39.5
Area: North 05									
6	39	77.1	11.4	8.6	2.9	0.0	100.0	80.0	68.6
7	67	70.8	13.8	10.8	0.0	4.6	98.5	75.4	61.5
8	57	87.7	3.5	3.5	1.8	3.5	100.0	61.4	56.1
9	63	85.1	8.1	4.1	1.4	1.4	100.0	50.0	43.2
10	61	74.2	18.2	3.0	3.0	1.5	100.0	48.5	37.9
11	62	90.6	4.7	4.7	0.0	0.0	96.9	43.7	37.5
12	63	75.9	18.5	3.7	1.9	0.0	98.1	48.1	42.6

(continued over)

² Data are weighted to reflect the sampling scheme by correcting for the over-representation in the sample of children with an unknown date of birth. Data relating to second or subsequent examinations of children within this reporting period are eliminated.

(continued from previous page)

DMF:PREVALENCE FOR AGE GROUPS

Age (years)	Number of children in sample ²	% of children with d+D=					% of children with		
		0	1	2	3	≥4	m+M=0	f+F=0	dmf+DMF=0
Area: North 06									
6	41	55.6	25.0	5.6	8.3	5.6	100.0	55.6	36.1
7	39	65.8	18.4	13.2	0.0	2.6	100.0	57.9	39.5
8	48	45.8	37.5	8.3	6.2	2.1	100.0	37.5	25.0
9	32	78.4	18.9	2.7	0.0	0.0	100.0	37.8	35.1
10	46	64.0	22.0	12.0	2.0	0.0	98.0	44.0	30.0
11	37	73.7	15.8	10.5	0.0	0.0	100.0	50.0	47.4
12	35	73.3	13.3	3.3	3.3	6.7	93.3	53.3	36.7
Area: North 08									
6	8	85.7	14.3	0.0	0.0	0.0	100.0	71.4	71.4
7	9	55.6	0.0	11.1	33.3	0.0	88.9	66.7	33.3
8	2	100.0	0.0	0.0	0.0	0.0	100.0	50.0	50.0
9	9	63.6	9.1	18.2	9.1	0.0	100.0	27.3	18.2
10	5	40.0	20.0	20.0	0.0	20.0	100.0	40.0	20.0
11	7	100.0	0.0	0.0	0.0	0.0	100.0	14.3	14.3
12	9	87.5	0.0	0.0	0.0	12.5	100.0	37.5	25.0
Area: North 09									
6	20	83.3	5.6	0.0	0.0	11.1	100.0	88.9	72.2
7	29	53.6	17.9	7.1	10.7	10.7	100.0	50.0	35.7
8	15	66.7	20.0	0.0	13.3	0.0	100.0	66.7	53.3
9	22	61.5	26.9	3.8	3.8	3.8	100.0	61.5	46.2
10	21	78.3	17.4	0.0	4.3	0.0	95.7	52.2	39.1
11	20	76.2	14.3	4.8	4.8	0.0	100.0	52.4	38.1
12	15	76.9	7.7	15.4	0.0	0.0	84.6	76.9	53.8
Area: North 10									
6	37	60.6	21.2	3.0	6.1	9.1	97.0	60.6	45.5
7	37	63.9	19.4	11.1	2.8	2.8	100.0	47.2	38.9
8	30	66.7	20.0	6.7	0.0	6.7	96.7	46.7	40.0
9	32	60.5	26.3	10.5	2.6	0.0	100.0	31.6	26.3
10	26	85.7	14.3	0.0	0.0	0.0	96.4	32.1	32.1
11	23	79.2	4.2	16.7	0.0	0.0	95.8	45.8	29.2
12	22	84.2	10.5	5.3	0.0	0.0	94.7	36.8	36.8

(continued over)

² Data are weighted to reflect the sampling scheme by correcting for the over-representation in the sample of children with an unknown date of birth. Data relating to second or subsequent examinations of children within this reporting period are eliminated.

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DMF:PREVALENCE FOR AGE GROUPS

Age (years)	Number of children in sample ²	% of children with d+D=					% of children with		
		0	1	2	3	≥4	m+M=0	f+F=0	dmf+DMF=0
Area: South 01									
6	45	57.5	32.5	5.0	2.5	2.5	100.0	50.0	42.5
7	62	66.7	20.0	10.0	3.3	0.0	100.0	60.0	48.3
8	39	61.5	12.8	17.9	7.7	0.0	100.0	46.2	38.5
9	52	63.9	18.0	13.1	1.6	3.3	95.1	45.9	31.1
10	50	74.5	16.4	3.6	1.8	3.6	100.0	49.1	38.2
11	51	71.7	13.2	9.4	3.8	1.9	96.2	56.6	47.2
12	56	79.2	14.6	2.1	2.1	2.1	89.6	56.3	50.0
Area: South 02									
6	60	84.9	7.5	1.9	3.8	1.9	92.5	77.4	66.0
7	40	89.7	5.1	0.0	2.6	2.6	100.0	71.8	71.8
8	65	84.6	10.8	3.1	1.5	0.0	98.5	72.3	67.7
9	55	70.8	20.0	7.7	1.5	0.0	100.0	61.5	47.7
10	48	69.2	15.4	11.5	0.0	3.8	100.0	40.4	32.7
11	44	78.3	19.6	2.2	0.0	0.0	95.7	54.3	43.5
12	62	81.1	11.3	5.7	1.9	0.0	96.2	69.8	56.6
Area: South 03									
6	54	70.8	12.5	12.5	2.1	2.1	97.9	77.1	58.3
7	66	62.5	23.4	9.4	1.6	3.1	100.0	79.7	54.7
8	46	71.7	15.2	8.7	0.0	4.3	100.0	63.0	54.3
9	55	60.9	20.3	7.8	1.6	9.4	98.4	51.6	31.2
10	56	65.6	16.4	14.8	0.0	3.3	98.4	37.7	26.2
11	69	59.2	31.0	2.8	2.8	4.2	97.2	47.9	32.4
12	68	72.4	17.2	6.9	3.4	0.0	94.8	55.2	41.4
Area: South 04									
6	87	67.5	18.2	5.2	1.3	7.8	97.4	59.7	48.1
7	73	81.7	8.5	5.6	1.4	2.8	98.6	60.6	50.7
8	99	78.6	9.2	9.2	1.0	2.0	99.0	55.1	49.0
9	83	67.3	17.3	7.1	3.1	5.1	98.0	44.9	34.7
10	94	71.8	16.5	6.8	3.9	1.0	98.1	46.6	37.9
11	79	70.7	19.5	4.9	2.4	2.4	97.6	42.7	32.9
12	76	78.5	12.3	4.6	4.6	0.0	95.4	58.5	49.2

(continued over)

² Data are weighted to reflect the sampling scheme by correcting for the over-representation in the sample of children with an unknown date of birth. Data relating to second or subsequent examinations of children within this reporting period are eliminated.

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DMF:PREVALENCE FOR AGE GROUPS

Age (years)	Number of children in sample ²	% of children with d+D=					% of children with		
		0	1	2	3	≥4	m+M=0	f+F=0	dmf+DMF=0
Area: South 05									
6	70	50.0	24.2	4.8	4.8	16.1	98.4	54.8	37.1
7	59	54.4	19.3	12.3	10.5	3.5	100.0	54.4	40.4
8	60	68.3	16.7	10.0	0.0	5.0	100.0	58.3	43.3
9	34	60.0	20.0	10.0	5.0	5.0	97.5	40.0	27.5
10	55	50.0	28.3	11.7	3.3	6.7	100.0	35.0	28.3
11	57	67.8	20.3	8.5	1.7	1.7	96.6	50.8	40.7
12	76	72.3	13.8	7.7	4.6	1.5	95.4	50.8	40.0
Area: South 06									
6	30	48.1	22.2	14.8	3.7	11.1	96.3	63.0	37.0
7	47	58.7	23.9	8.7	4.3	4.3	95.7	39.1	30.4
8	41	70.7	9.8	14.6	2.4	2.4	97.6	43.9	41.5
9	36	71.4	19.0	4.8	2.4	2.4	100.0	45.2	31.0
10	38	80.5	12.2	2.4	2.4	2.4	97.6	36.6	26.8
11	48	72.0	20.0	4.0	2.0	2.0	98.0	44.0	36.0
12	38	66.7	27.3	6.1	0.0	0.0	97.0	36.4	30.3
Area: South 07									
6	35	61.3	25.8	9.7	3.2	0.0	93.5	67.7	51.6
7	48	63.8	12.8	23.4	0.0	0.0	100.0	55.3	40.4
8	35	60.0	28.6	5.7	5.7	0.0	97.1	48.6	31.4
9	42	63.3	18.4	14.3	2.0	2.0	100.0	42.9	26.5
10	44	66.7	25.0	6.3	0.0	2.1	100.0	41.7	35.4
11	37	84.2	10.5	2.6	2.6	0.0	100.0	57.9	55.3
12	27	69.6	17.4	8.7	0.0	4.3	91.3	39.1	34.8
Area: South 08									
6	14	66.7	8.3	8.3	8.3	8.3	100.0	91.7	66.7
7	13	23.1	30.8	0.0	38.5	7.7	100.0	69.2	23.1
8	9	55.6	22.2	0.0	11.1	11.1	100.0	33.3	22.2
9	10	50.0	25.0	16.7	8.3	0.0	100.0	41.7	25.0
10	6	83.3	16.7	0.0	0.0	0.0	100.0	33.3	33.3
11	11	45.5	45.5	0.0	0.0	9.1	100.0	81.8	45.5
12	9	50.0	12.5	37.5	0.0	0.0	100.0	50.0	50.0

² Data are weighted to reflect the sampling scheme by correcting for the over-representation in the sample of children with an unknown date of birth. Data relating to second or subsequent examinations of children within this reporting period are eliminated.

TABLE S1: CALCULUS AND INFLAMMATION INDICES¹

This table describes the distribution of calculus and inflammation indices among specific ages. These data were requested by Dental Services (Western Australia) as a specific report. Data from all children who were examined during the report period are included in this table; percentage estimates denoted with an asterisk (*) are those in which the relative standard error exceeds 25 per cent, and population estimates of these percentages are statistically unreliable.

State/Territory: **Western Australia**

Sampling ratio: 1:13

Data for period January-December 1993

Date of report: 20th September 1993

Age (years)	Number of children in sample	CALCULUS INDEX		INFLAMMATION SCORE	
		mean	sd	mean	sd
12	1044	0.28	0.61	0.73	1.50
15	493	0.38	0.69	0.71	1.44
17	15	0.33	0.49	1.60	2.35

¹ Legend DMFT - decayed, missing or filled permanent teeth
 F/S - number of fissure sealed teeth
 sd - standard deviation

**FIGURE 1: PERCENTAGE OF CHILDREN WITH
dmft=0, DMFT=0 and d+D=0**

