



AIH DENTAL STATISTICS
AND RESEARCH UNIT



THE UNIVERSITY OF
ADELAIDE

The Child Dental Health Survey South Australia January - December 1988

by

The AIH Dental Statistics
and Research Unit

Published by:

AIH Dental Statistics and Research Unit
The University of Adelaide
GPO Box 498
ADELAIDE SA 5001

June 30, 1991

Phone: (08) 228-5027
Fax: (08) 224-4062

The AIH Dental Statistics and Research Unit (DSRU) is an external unit of the Australian Institute of Health 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.

DSRU Staff:

	Head:	Professor John Spencer
	Research Officers:	Mr Fearnley Szuster Mr Michael Davies
Consultant Oral Epidemiologist:		Dr Gary Slade
Technical Assistant:		Mr David Brennan

THE CHILD DENTAL HEALTH SURVEY - SOUTH AUSTRALIA 1988

Purpose of this report

Table 1: Demographic composition of the sample

Table 3: Deciduous teeth: age-specific prevalence

Table 4: Permanent teeth: age-specific prevalence

Table 5: All teeth: age-specific prevalence

Table 8: School Dental Service examinations

For further information contact:

Mr Michael Davies or Dr Gary Slade
AIH Dental Statistics and Research Unit
The University of Adelaide
GPO Box 498 Phone: (08) 228-5027
ADELAIDE SA 5001 Fax: (08) 224-4062

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. In South Australia the sampling is 1:5. This ratio is achieved by systematically selecting every fifth record of data from all children examined in the School Dental Service. The following table describes the number of records processed from children in South Australia.

State/Territory: **South Australia**

Sampling Ratio: **1:5**

Data for period January-December 1988

Date of Report: 30th June 1991

Age (years)	NUMBER OF RECORDS PROCESSED		
	Males	Females	Persons
≤4	1831	1843	3674
5	1956	1879	3835
6	1671	1626	3297
7	1489	1458	2947
8	1425	1307	2732
9	1437	1341	2778
10	1409	1330	2739
11	1475	1429	2904
12	1380	1460	2840
13	1481	1425	2906
14	1425	1342	2767
≥15	1335	1290	2625
Total	19076	18465	37541

TABLE 2: COUNTRY OF BIRTH (INCLUDING ABORIGINALITY)

These data were not collected in South Australia
during the period January - December 1988.

TABLE 3: DECIDUOUS TEETH: AGE-SPECIFIC PREVALENCE¹

This table uses Statewide 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 25 per cent, and population estimates of these indices are statistically unreliable.

State/Territory: **South Australia**

Sampling ratio: 1:5

Data for period January-December 1988

Date of report: 30th June 1991

Age (years)	Number of children in sample	decayed ²		dmft		d/dmf %	Children with dmft=0 %
		mean	sd	mean	sd		
≤4	3674	0.95	2.03	1.48	2.76	70.6	62.8
5	3835	0.84	1.79	1.70	3.00	56.7	58.8
6	3297	0.75	1.55	2.02	3.05	41.4	51.3
7	2947	0.62	1.28	2.30	2.98	31.2	44.7
8	2732	0.52	1.08	2.36	2.86	25.3	42.5
9	2778	0.49	0.95	2.57	2.75	22.3	35.6
10	2739	0.35	0.77	2.18	2.55	17.6	41.2
11	2904	0.21	0.59	1.33	2.07	16.9	57.7
12	2840	0.10	0.41	0.65	1.42	16.5	75.0
13	2906	0.04	0.27	0.27	0.92	16.6	88.5
14	2767	0.02	0.19	0.11	0.54	26.0	94.4
≥15	4122	0.01	0.09	0.04	0.29	18.0	97.7

¹ Legend: d - decayed deciduous teeth
dmft - decayed, missing or filled deciduous teeth
sd - standard deviation

² Filled but otherwise sound teeth which needed a replacement filling were included in the decayed index resulting in a very small over-estimation of the decayed and dmft indices of four per cent or less.

TABLE 4: PERMANENT TEETH: AGE-SPECIFIC PREVALENCE¹

This table uses Statewide 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 25 per cent, and population estimates of these indices are statistically unreliable.

State/Territory: **South Australia**

Sampling ratio: **1:5**

Data for period **January-December 1988**

Date of report: **30th June 1991**

Age (years)	Number of children in sample	DECAYED ²		DMFT		D/DMFT	Children with DMFT=0
		mean	sd	mean	sd	%	%
4	3674	-	-1.0	*	-9.0	0.00	99.9
5	3835	0.01	0.12	0.01	0.12	87.0	99.4
6	3297	0.07	0.36	0.09	0.42	82.5	94.7
7	2947	0.16	0.52	0.26	0.71	66.0	84.1
8	2732	0.20	0.57	0.45	0.91	48.8	74.9
9	2778	0.21	0.59	0.67	1.14	32.9	66.3
10	2739	0.23	0.61	0.94	1.33	24.9	56.5
11	2904	0.27	0.69	1.26	1.60	21.5	47.8
12	2840	0.32	0.75	1.69	1.81	19.0	37.4
13	2906	0.40	0.89	2.09	2.14	18.9	32.7
14	2767	0.43	0.86	2.67	2.56	16.4	26.5
≥15	4122	0.46	0.97	3.34	2.93	14.5	21.5

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

² Filled but otherwise sound teeth which needed a replacement filling were included in the decayed index resulting in a very small over-estimation of the decayed and DMF indices of two per cent or less.

TABLE 5: ALL TEETH: AGE-SPECIFIC PREVALENCE¹

This table uses Statewide 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 25 per cent, and population estimates of these indices are statistically unreliable.

State/Territory: **South Australia**

Sampling ratio: 1:5

Data for period January-December 1988

Date of report: 30th June 1991

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
≤4	3674	69.4	9.7	7.2	4.1	4.1	98.3	86.1	62.7
5	3835	68.7	11.5	7.8	4.2	4.2	97.8	76.7	58.8
6	3297	66.4	14.0	8.6	4.6	4.6	98.2	63.5	49.9
7	2947	63.5	17.1	9.9	4.0	4.0	97.5	52.4	40.5
8	2732	62.7	19.7	9.3	4.2	4.2	97.4	45.9	36.2
9	2778	62.3	20.1	9.6	4.7	4.7	98.0	35.9	28.7
10	2739	67.0	18.8	8.4	3.4	3.4	99.1	34.6	29.3
11	2904	71.5	16.9	7.5	2.5	2.5	99.3	36.8	31.0
12	2840	73.3	17.4	5.8	2.0	2.0	99.5	35.3	29.6
13	2906	72.9	16.8	6.4	2.1	2.1	99.5	35.1	29.8
14	2767	71.2	18.4	6.5	2.7	2.7	99.1	29.6	25.2
≥15	4122	72.0	17.5	6.4	2.4	2.4	99.0	25.1	21.3

-
- 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

These data were not collected in South Australia during the period January - December 1988.

¹ Legend: DMFT - decayed, missing or filled permanent teeth

TABLE 7: IMMEDIATE TREATMENT NEEDS: AGE-SPECIFIC DISTRIBUTION¹

These data were not collected in South Australia during the period January - December 1988.

¹ Legend: dmft - number of decayed, missing or filled deciduous teeth
 DMFT - number of decayed, missing or filled permanent teeth
 d - number of decayed deciduous teeth
 D - number of decayed permanent teeth

**TABLE 8: SCHOOL DENTAL SERVICE EXAMINATIONS:
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 25 per cent, and population estimates of these percentages are statistically unreliable.

State/Territory: **South Australia**

Sampling ratio: 1:5

Data for period January-December 1988

Date of report: 30th June 1991

Age (years)	Number of children examined	PREVIOUS EXAMINATION IN SCHOOL DENTAL SERVICE		
		No	Yes	Repeat Examination ¹
≤4	3764	56.4	43.6	2.4
5	4252	36.7	63.3	2.4
6	3252	12.0	88.0	2.2
7	2640	7.5	92.5	2.0
8	2669	7.5	92.5	1.9
9	2501	5.5	94.5	2.5
10	2532	5.3	94.7	2.1
11	2634	4.6	95.4	2.0
12	2854	4.9	95.1	1.7
13	2797	3.2	96.8	1.4
14	2678	3.9	96.1	1.5
15	2579	2.6	97.4	1.4
≥16	1530	2.5	97.5	3.6

¹ Indicates a record examination was conducted during the collection period.