



Government of  
Saskatchewan

# **Annual Report 1980-81**

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## **Saskatchewan Health Dental Plan**

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Government of  
Saskatchewan

**Annual Report  
1980-81**

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**Saskatchewan Health  
Dental  
Plan  
Report  
Seventh Year of Operation  
September 1, 1980 to  
August 31, 1981**



## **Department of Health**

To the Honourable C. I. McIntosh  
Lieutenant Governor of Saskatchewan.

May it please Your Honour:

I beg to present herewith for your consideration the  
Report of the Dental Plan for the year ending August 31,  
1981.

Respectfully submitted,

H. H. Rolfes,  
Minister of Health.

## **Department of Health**

To the Honourable H. H. Rolfes,  
Minister of Health.

Sir:

I have the honour to present herewith the Report of the  
Dental Plan for the year ending August 31, 1981.

Respectfully submitted,

K. J. Fyke,  
Deputy Minister.

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## Background

In 1968, the Saskatchewan Department of Health conducted surveys in Regina and Saskatoon which showed that the level of dental health of children in these cities was far from satisfactory. On the basis of the survey results, the Dental Division of the Department of Health proposed that the federal government allocate funds for a dental pilot project in the province. The project was to provide dental health education, preventive services and treatment services to children through a dental team consisting of a dentist, two dental therapists (formerly called dental nurses), three dental assistants and one receptionist recorder.

The dental therapists were formally trained to provide educational, preventive and treatment services to children, including deciduous (baby) tooth extractions and amalgam and composite restorations (silver and tooth-colored fillings) in deciduous and permanent teeth. The three dental assistants were formerly trained to provide chairside assistance, simple prophylaxis (cleaning) and topical fluoride.

Services were made available to children from 3 to 12 years of age in the Oxbow area of Southeastern Saskatchewan. The dental team was housed in a mobile clinic equipped with four dental units, an X-ray machine, a laboratory and a reception room. The project lasted for three years. It demonstrated that high quality care could be provided by such a program and also that parents were prepared to enroll their children in a dental program in which care was provided by dental therapists. It was important to establish that a dental program making use of dental therapists could be successful because one of the main reasons for testing such a program was the chronic shortage of dentists in the province, especially in the rural areas.

On the basis of the successful Oxbow project, the Government of Saskatchewan announced in March 1972 that a province-wide, school-based dental program would be established to provide comprehensive dental care to children between the ages of three and twelve. The program commenced in September 1974. With the cooperation of the Department of Education and local school boards, dental clinics have been located in schools to make access more convenient for children and parents. More clinics will be added as the program expands. Children have been enrolled as follows:

Enrollment Date	Date of Birth
September 1974	1968
September 1975	1969, 1970
September 1976	1967, 1971
September 1977	1972
February 1978	1973
September 1978	1974, 1966
September 1979	1975
September 1980	1976

In May 1978 the Government of Saskatchewan announced that the Dental Plan would be expanded to provide dental care to children up to and including the age of fourteen.

In 1976 a study was conducted to evaluate the quality of care provided by the Saskatchewan Dental Therapist. In February of that year three dentists from outside the province — one specialist in children's dentistry and two specialists in restorative dentistry — surveyed 410 children in grades Kindergarten to Grade Two. A total of 2,107 amalgam restorations and 97 stainless steel crowns were assessed. Later analysis of these fillings showed that 1,503 fillings were placed by the Saskatchewan Dental Therapists and 604 by dentists. Overall, the restorations were rated as follows:

	Dentist	Dental Therapist
Unacceptable .....	21.1%	3.7%
Adequate .....	62.4%	48.6%
Superior .....	16.5%	47.7%

Quality assessment of stainless steel crowns showed that the Saskatchewan Dental Therapists and dentists performed to the same standard. In conclusion, the study stated that after two years it appeared that the Saskatchewan Dental Therapist was providing basic restorative treatment at a high level of coverage and quality.

In order to assess direct satisfaction with the Saskatchewan Dental Plan, an attitudinal survey was conducted by telephone interviews in March 1978 with a randomly selected sample of 600 families having children enrolled in the Dental Plan.

The survey's major finding was that there is widespread support for the Dental Plan in all parts of the province. Approximately 90% of the enrolled families are generally satisfied with the Dental Plan. The survey also found that 80% of the enrolled families want the Saskatchewan Dental Plan extended to children up to age 18.

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# Organization and administration

## Legislative and regulatory authority

In 1973 *The Saskatchewan Dental Nurses Act* was passed. This act created a Saskatchewan Dental Nurses Board to establish and maintain rules for the licensing of dental nurses, to set standards of professional conduct for dental nurses, to advise the Minister of Health on matters referred to the Board and to ensure that the regulations and standards of professional conduct are met by all registrants. The first Board was appointed on September 25, 1973.

In the following year, *The Dental Care Act, 1974* was passed. This Act gives the Department of Health broad authority to operate a children's dental care program. The act authorizes the Minister of Health to enter into agreements with or to employ dentists, dental nurses and certified dental assistants and to do whatever else is necessary for the establishment and operation of the dental care program.

On July 1, 1981 *The Saskatchewan Dental Nurses Act* was rescinded and was replaced by *The Dental Therapists Act*.

This Act establishes The Saskatchewan Dental Therapists Association, changes the name Dental Nurse to Dental Therapist, and replaces the Saskatchewan Dental Nurses Board with the Saskatchewan Dental Therapists Council.

The Saskatchewan Dental Therapists Council assumes all of the functions previously performed by the Dental Nurses Board.

## Administrative structure

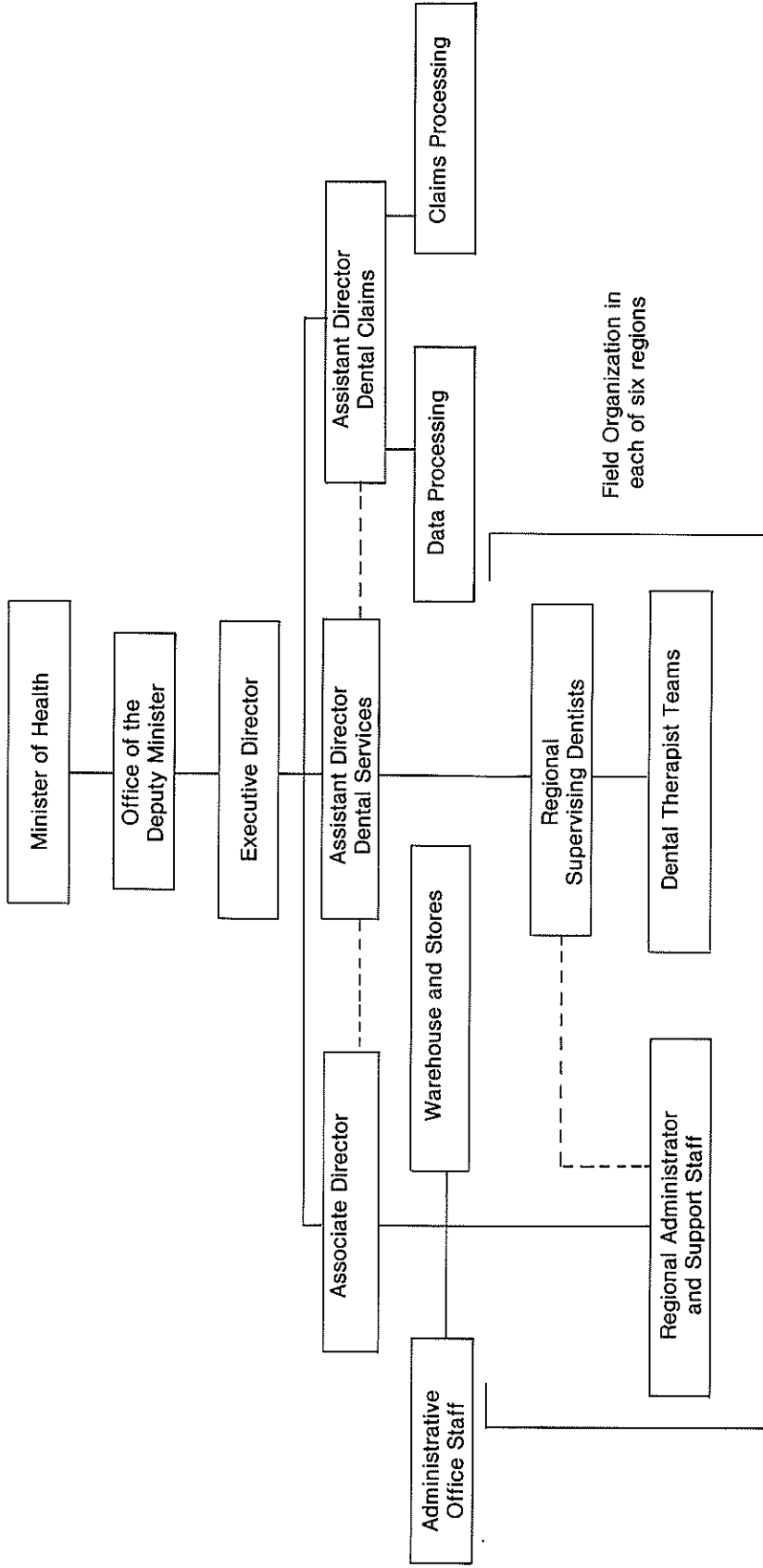
The administrative organization is outlined in the organizational chart on page seven. The Saskatchewan Dental Plan is administered through a central headquarters staff, administrative staff, and warehouse and stores personnel. The province is divided into six administrative regions. Regional Headquarters are located in Swift Current, Regina, Yorkton, Saskatoon, Prince Albert and North Battleford.<sup>1</sup> The Saskatchewan Dental Plan does not provide coverage to children in the northern part of the province. The Department of Northern Saskatchewan operates its own dental plan for children in this area but receives consultation services and advice from the Saskatchewan Dental Plan.

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<sup>1</sup> The six Dental Plan administrative regions and headquarter locations are shown on the map on page eight.

# Dental Plan administrative organization

Figure 1



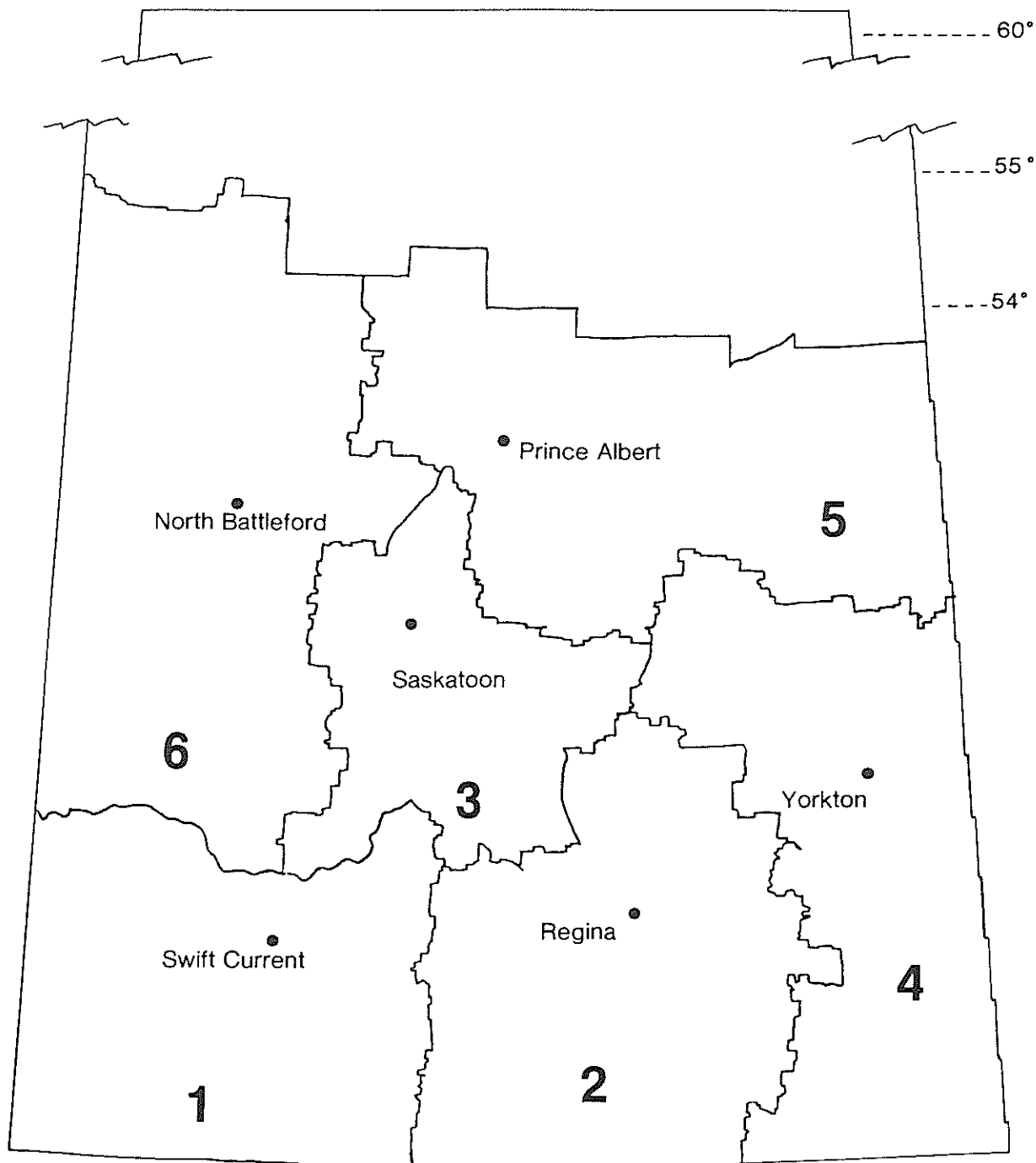
--- Denotes Communication in Management Team

August 31, 1981



## Dental Plan administrative regions

Figure 2



### Key to administrative regions

- |                     |                        |
|---------------------|------------------------|
| No. 1 Swift Current | No. 4 Yorkton          |
| No. 2 Regina        | No. 5 Prince Albert    |
| No. 3 Saskatoon     | No. 6 North Battleford |

August 31, 1981

## Clinical staff employed

As of June 30, 1981 the Dental Plan employed the following number of clinical staff in permanent positions. Figures for June 30, 1980 are given for comparison.

	1980	1981
Total .....	364	364
Dentist .....	19	18
Dental Nurses .....	159	159
Dental Assistants .....	178	180
Dental Hygienists .....	1	0
Equipment Technicians ..	7	7

Attrition among permanent dental therapist positions from September 1, 1980 to August 31, 1981 was as follows:

### Dental Therapists

	On Staff	Hired	Re-signed	Total
September 1/79 to				
August 31/80	159	24	27	156
September/80	156	10	4	162
October	162	4	2	164
November	164	3	2	165
December	165	0	1	164
January/81	164	0	2	162
February	162	1	1	162
March	162	0	3	159
April	159	4	2	161
May	161	2	1	162
June	162	0	3	159
July	159	0	2	157
August	157	0	1	156

Twenty-four dental therapists resigned from the Dental Plans between September 1, 1980 and August 31, 1981. This is an attrition rate of 13.6 percent.

## Profile of dental plan personnel

### Clinical personnel

#### 1. Supervising dentists

The supervising dentist performs a variety of duties in close cooperation with approximately 10 dental therapist teams assigned to each area. The dentist spends a great deal of time examining and formulating treatment plans for enrolled children and carries out services which are beyond the scope of the dental therapist. Lines of communication are always open between the team and the dentist in order to provide the team with immediate consultation or assistance when necessary. As supervisor, the dentist monitors the quality and quantity of work being performed by the teams. To achieve this,

selected patients from each team are examined annually using established criteria. The dentist also sees that priorities and schedules are being arranged and met.

Meeting frequently with parents, superintendents, principals, teachers and local officials, the dentist plays a significant role in public relations. All field staff are essentially public relations officers but it is the supervising dentist, together with the regional administrator, who must assess and deal with the specific difficulties and judge public sentiment.

#### 2. Dental therapist

The Saskatchewan Dental Therapist is a graduate of a two-year training course. Students in this course learn to diagnose tooth decay and to restore permanent and baby teeth with silver amalgam and composite resin filling materials. Dental therapists are trained to place stainless steel crowns and space maintainers and to perform pulpotomies (nerve treatments) and extractions on baby teeth. Considerable emphasis in their training is placed on the prevention of dental disease.

Most practising dental therapists in Saskatchewan are employed by the Saskatchewan Dental Plan. Other employers include various provincial and federal government agencies. Legislation now allows dental therapists to be employed by private-practice dentists, under direct supervision.

In the Dental Plan the dental therapist, with the aid of an assistant, provides the majority of preventive and restorative treatment required by Dental Plan patients.

#### 3. Certified dental assistant

Certified dental assistants, who are graduates of a one-year course, play a dual role within the dental team. They perform many chairside duties for the therapist, such as instrument transfer, suctioning, retraction, preparation of restorative materials and sterilization; they also take radiographs, clean and polish teeth, apply topical fluoride and provide oral hygiene instruction.

### Non-clinical personnel

#### 1. Regional administrator

Regional administrators maintain records on personnel, equipment, materials, supplies and services. They work in close cooperation with supervising dentists in assigning service areas for dental therapist teams.

Regional administrators are responsible for identifying locations for dental clinics, monitoring program progress, identifying operational problems and initiating corrective action. They share with the supervising dentists, responsibility for public relations in the area and deal with specific difficulties affecting parents, staff and members of the public.

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## 2. Equipment technician

The equipment technician is a graduate of a one-year course in instrument technology. He installs dental equipment in new clinics, including the X-ray machines. He repairs and maintains all dental equipment both in the clinic and in the repair shop.

Preventive maintenance is practised by all staff under the guidance of the equipment technician. This maintenance eliminates a great deal of lost time because of malfunctioning dental equipment. The equipment technicians regularly visit the dental clinics and are therefore involved in considerable travel.

The supervising equipment technician provides technical guidance and on-the-job training to technicians and also undertakes some of the more complex repairs requiring specialized shop instruments and tools.

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# Organization of delivery of dental services

## Dental facilities

The Dental Plan uses a team approach to provide dental services in the elementary school setting. Most of the work provided by the dental teams is performed in one-chair permanent dental clinics. The dental clinics situated in elementary schools have many advantages over clinics located outside the school setting. Some of the advantages are better coordination with school activities, keeping children within the familiar surroundings of their own school, minimal class disruption, and a minimum of working time lost by dental teams because of missed appointments or having to transport patients.

As of August 31, 1981 there were 505 permanent clinics located in elementary schools throughout Saskatchewan (the Appendix lists dental clinics alphabetically by region). Permanent dental clinics, where possible, consist of a bright well-painted room of approximately 23 square metres, often with an adjoining waiting room and washroom. Most have overhead fluorescent lighting, a ventilation fan and an adequate number of electrical utility outlets. Each clinic has a lockable cupboard with a stainless steel sink and counter work area. Located in the school, as close as possible to the clinic, is a large fixed air compressor.

A permanent dental clinic is furnished with a motorized dental chair with an attached light, operator and assistant stools, mobile dental cabinet, mobile dental cart, autoclave, amalgamator, brackets to accommodate a portable X-ray machine and portable lead shielding. All hand instruments are carried from clinic to clinic by the dental teams. For this purpose, a large metal instrument and supply case is furnished.

Portable equipment in temporary space is used to provide dental services in small village schools without clinics. Temporary clinics have also been established in those few larger schools in which permanent clinic space is not presently available.

## Patient care

The majority of patient care in the Dental Plan is provided in elementary schools using a team approach. Referrals to private practitioners are written for specific dental treatment. Private practitioners may also provide emergency services to enrolled children.

Each team consists of a dental therapist and a certified dental assistant. Associated with each dental therapist team is a supervising dentist who works in close conjunction with about ten teams. In each region there are regional support staff including a regional administrator, an equipment technician, and clerical workers. A great deal of preliminary work within each dental region in developing schedules is undertaken to ensure that a timetable can be developed to provide dental care to all enrolled children with as little disruption to the school as possible. School principals are contacted to discuss suitable times for the teams to visit their schools and to inform them of the number of children enrolled in their particular area.

The dental therapist team explains the operation of the plan to the school staff involved and discusses the schedule within each particular school. To promote continuity, dental teams attempt to schedule their work in a school at the same time each year. A few days before the child's initial visit to the dental clinic, parents

are contacted by phone or letter. On the first clinic visit, the child's medical history is checked to see if there are any medical conditions which might affect the provision of dental care. A simple examination of the child's mouth is performed to determine if diagnostic X-rays are required. Any required radiographs are taken and processed.

During the second visit, the dentist or dental therapist gives the child a full clinical examination. A treatment plan is written to suit the individual preventive and restorative needs of the child. Parents are encouraged to be present for this visit so that the pertinent diagnostic findings and treatment planning can be discussed directly with them. At this time, diet and oral hygiene are also discussed with the parent and child. The prevention of dental disease is of great importance, and the dental teams stress preventive measures with the parents and children throughout the course of treatment.

Except for emergencies and urgent problems, the actual dental treatment usually commences at the third clinical session. A dental therapist and certified dental assistant carry out treatment in accordance with the treatment plan. As treatment progresses, any necessary modifications in the treatment plan are made in consultation with the supervising dentist. Dental teams are encouraged to perform quadrant dentistry, so that all necessary treatment in any quarter of the mouth is performed during one visit. Most restorative treatment is performed with the use of rubber dam, a technique which provides improved visibility and control of the operating field for the dental therapist and comfort and protection of the patient.

## Program expansion

A change in the method of providing care for young people born in 1966 and 1967 has been developed.

The Dental Plan has arranged for dental care to be provided for children in grades 9 and 10 in a cooperative venture by both private dental practitioners in their offices and Dental Plan staff in clinics in schools. Beginning September 1, 1981 approximately 50% of grade 9 and 10 children who are enrolled in the Saskatchewan Dental Plan will be treated by dentists in private practice. The majority of these children will be located in rural areas of the province. The Dental Plan will pay a fixed amount per Dental Plan patient treated by private dentists to the College of Dental Surgeons of Saskatchewan, who will in turn pay the dentist for services provided.

Health Region No. 1 in Swift Current had a Dental Program for almost 30 years. The program had been modified to avoid duplication of the Saskatchewan Dental Plan. The Swift Current Regional Health Board provided services to those resident children up to and including 18 years of age who were either too young or too old for enrollment in the Saskatchewan Dental Plan.

With only four age groups remaining it was not economical for this program to continue. Negotiations to absorb the Swift Current Health Region Dental Program were completed and resulted in young people who were Swift Current Health Region residents and born in the years 1963 to 1965 and 1978 becoming eligible for enrollment in the Saskatchewan Dental Plan.

## Dental health promotion

Saskatchewan Dental Plan staff are actively involved in community dental health education. Classroom visits and individual sessions are the main methods used to educate and motivate children.

When possible, Dental Plan staff participate in community and school association meetings, career days, open-house activities in elementary schools and health fairs. Many shopping mall displays were staffed this year by Dental Plan teams. The displays were designed to make current dental health information available to the general population.

Fluorides are used in various ways by the Dental Plan to combat tooth decay. Dental Plan staff stress the importance of fluoridation of community water supplies as a practical and effective health measure for safely and economically reducing the incidence of dental decay. Classroom fluoride mouthrinse programs provide another effective way of reducing tooth decay. Selected schools in each region of the province have students rinse with a dilute fluoride solution under the supervision of parents or teachers once every two weeks. Many children have fluoride applied directly to their teeth in the school dental clinics during their yearly visit.

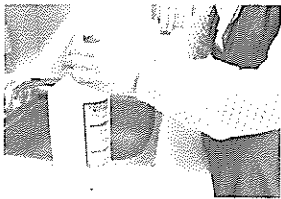
Sealants are a type of plastic which can be used to seal the grooves in the chewing surface of the tooth and often prevent the necessity of putting a filling in that part of the tooth. Scientific studies have indicated this may be a valuable means of preventing dental decay. A field test of this procedure is currently underway.

## Continuing education

Continuing education is encouraged at all levels in the Dental Plan. Supervising dentists spend time working with individual dental teams and groups of dental teams, presenting and reviewing dental techniques. Dental regions also hold staff meetings three to four times a year. Normally a portion of each meeting is set aside for continuing education, including oral diagnosis, radiographic techniques or techniques in the effective use of chairside dental assistants. This year Dental Plan staff from each region completed a course in Cardio Pulmonary Resuscitation (CPR). This course was presented by dental therapists and assistants who had been supported by the Dental Plan to complete the CPR instructors course offered by the Saskatchewan Heart Foundation.

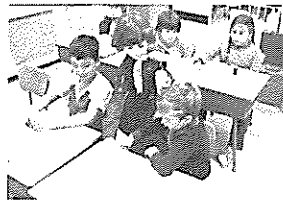
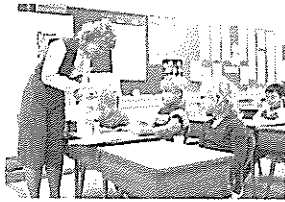
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# School Based Fluoride Mouthrinse Programs



**Mix**

**Distribute**



**Rinse**

**Clean Up**



## An Effective Way To Prevent Tooth Decay

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A three-day conference focusing on the promotion of good dental health was attended by 40 people representing the six dental regions. A two day continuing education course presented by the Dental Division of Wascana Institute at the request of the Dental Plan was attended by sixty dental assistants and sixty dental therapists. Dental assistants reviewed radiographic procedures and techniques for finishing amalgams. Dental therapists concentrated their review on complex amalgam and composite restorations.

Many staff members received some support to attend courses and meetings held by other organizations in the province, such as the Dental Nurses Association, the College of Dental Surgeons of Saskatchewan and the University of Saskatchewan.

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## **Performance of the Saskatchewan Dental Health Plan 1974-1980 report prepared by Dr. D. W. Lewis**

In April 1980 the Department of Health decided that an independent review of the Saskatchewan Dental Plan should be undertaken. Arrangements were made for Dr. D. W. Lewis, Professor and Head of Community Dentistry, University of Toronto, to conduct a thorough statistical evaluation of the first six years of operation of the Saskatchewan Dental Plan.

The major findings of this evaluation were:

1. The proportion of children in Saskatchewan receiving annual dental services is approximately 90%. On the basis of available data, this utilization rate is probably higher than in any other province or state in North America.
2. The program is achieving its objectives of reducing the incidence of dental disease. One quarter of all services rendered annually are preventive in nature, with extractions, pulp treatments, fillings and X-rays per enrollee showing a decline each year.
3. Overall enrollment in the Plan has been high, averaging 83% of eligible children after the initial start up year.
4. Annual cost per enrolled child have dropped dramatically from \$163.05 in 1974-75 to \$68.00 in 1980-81. These economies have been attained without sacrificing quality, service or utilization.\*
5. A sample survey of 600 parents indicated overwhelming support for the Plan.

The report indicated that although the ultimate test of the Saskatchewan Dental Plan will be how it improves the oral health status of the people of Saskatchewan in the long run, the performance to date gives early indications of the likely achievement of this long term goal.

Copies of this report may be obtained from the  
Saskatchewan Dental Plan  
3475 Albert Street  
Regina, Saskatchewan  
S4S 6X6

\* These costs differ slightly from the Saskatchewan Dental Plan's calculated costs of \$158.29 and \$69.02 for the same program years because of the inclusion of the Department of Education costs incurred in establishing clinics.

**Table 1**

## Enrollment of Eligible Children (excluding Registered Indians)

as at August 31, 1981

Age Group	Number Eligible	Number Enrolled	Percent Enrolled	Number Refused	Percent Refused	Number No Response	Percent No Response
Total <sup>1</sup>	155,357	129,669	83.5	15,648	10.1	10,040	6.4
Born 1966	15,066	10,910	72.4	2,593	17.2	1,563	10.4
Born 1967	14,313	11,262	78.7	2,063	14.4	988	6.9
Born 1968	14,059	12,104	86.1	1,393	9.9	562	4.0
Born 1969	14,273	12,110	84.9	1,544	10.8	619	4.3
Born 1970	14,025	12,073	86.1	1,370	9.8	582	4.1
Born 1971	14,037	12,026	85.7	1,400	10.0	611	4.3
Born 1972	13,848	12,034	86.9	1,257	9.1	557	4.0
Born 1973	13,569	11,767	86.8	1,143	8.4	659	4.8
Born 1974	13,807	11,936	86.4	1,091	7.9	780	5.7
Born 1975	14,030	12,055	85.9	1,017	7.3	958	6.8
Born 1976	14,330	11,392	79.5	777	5.4	2,161	15.1

<sup>1</sup> Enrollment figures for Registered Indians are reported separately. Because of a number of circumstances peculiar to that group of children, their participation in the Dental Plan is markedly lower than that of other eligible children (see Table 2).

**Table 2**

## Enrollment of Eligible Registered Indians

as at August 31, 1981

Age Group	Number Eligible	Number Enrolled	Percent Enrolled	Number Refused	Percent Refused	Number No Response	Percent No Response
Total	10,811	5,004	46.3	326	3.0	5,481	50.7
Born 1966	963	356	37.0	37	3.8	570	59.2
Born 1967	915	430	47.0	30	3.3	455	49.7
Born 1968	1,023	545	53.3	40	3.9	438	42.8
Born 1969	958	520	54.3	25	2.6	413	43.1
Born 1970	999	550	55.1	45	4.5	404	40.4
Born 1971	986	556	56.4	31	3.1	399	40.5
Born 1972	1,022	548	53.6	27	2.7	447	43.7
Born 1973	985	505	51.3	27	2.7	453	46.0
Born 1974	984	453	46.0	20	2.1	511	51.9
Born 1975	963	334	34.7	24	2.5	605	62.8
Born 1976	1,013	207	20.4	20	2.0	786	77.6

## Dental health of enrolled children

Every child in the Dental Plan is examined once a year to determine the dental health of enrolled children. This is a thorough examination with a dental light, mirror, explorer and air to dry the teeth. X-rays may be used to detect cavities between the teeth that cannot be seen otherwise.

Children in the province experience extensive tooth decay at a young age, even before their fourth birthday. It can be seen in Table 3 that the average four year old child had 2.32 decayed deciduous (baby) teeth.

Figure 4 shows the percentage of restorative and preventive services per enrolled child per year and their shift during the seven years of operation of the Dental Plan.

Figure 5 reflects the improvement of dental health of six year old children during the seven years the Dental Plan has been in operation.

The total number of decayed, missing and filled permanent and baby teeth for six year old children, as shown in Figure 5, has declined from 6.5 in 1974-75 to 4.4 in 1980-81. It should be noted that in addition to an overall reduction in the total there has been a significant change from the major category being decayed teeth for six year olds in 1974-75 to the major category being filled teeth for six year old children in 1980-81.

The number of amalgam restorations provided to enrolled children has increased in each of the six years the program has been in operation. However, the increase has not been in proportion to the increase in enrollment. Amalgam restorations per 1,000 enrolled children have decreased consistently from 3,491 in the 1974-75 program year to 1,111 per 1,000 enrolled children in the 1980-81 program year, as shown in Figure 6.

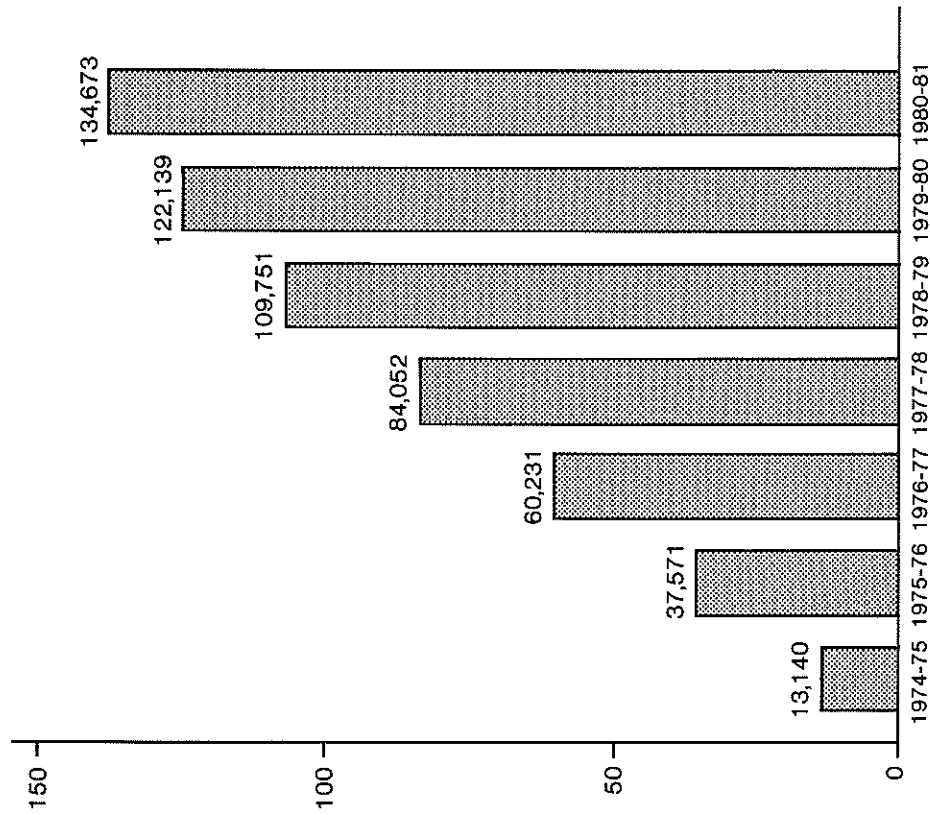
**Table 3**  
**Dental Health of Enrolled Children September, 1980 — August, 1981**

	Average Number or Percent Per Child By Year of Birth						1972	1973	1974	1975	1976
	1966 <sup>1</sup>	1967 <sup>1</sup>	1968 <sup>1</sup>	1969 <sup>1</sup>	1970 <sup>1</sup>	1971 <sup>1</sup>					
Decayed, extracted, filled deciduous teeth (DEF) .....	—	—	—	—	—	—	4.31	4.27	4.03	3.34	2.66
Decayed .....	—	—	—	—	—	—	.64	.90	1.27	1.58	2.32
Extracted .....	—	—	—	—	—	—	.31	.22	.14	.08	.04
Filled .....	—	—	—	—	—	—	3.35	3.14	2.61	1.67	.28
Decayed, missing, filled permanent teeth (DMF) .....	7.32	6.25	4.96	3.94	3.07	2.47	1.80	1.17	.38	.07	—
Decayed .....	1.35	1.19	.94	.72	.57	.57	.65	.67	.29	.04	—
Missing .....	.40	.29	.16	.10	.04	.01	.00	.00	.00	.00	—
Filled .....	5.56	4.76	3.85	3.11	2.45	1.88	1.14	.49	.09	.02	—
Total DEF and DMF .....	—	—	—	—	—	—	6.12	5.45	4.41	3.41	—
Children with DMF of 0 .....	5.32%	4.97%	6.02%	9.14%	14.72%	21.89%	34.62%	52.01%	81.29%	96.82%	—
Children with DEF of 0 .....	—	—	—	—	—	—	15.26%	17.87%	23.39%	33.43%	44.92%
Children with DMF and DEF of 0 .....	—	—	—	—	—	—	9.68%	13.85%	21.91%	33.03%	—
Decayed deciduous and permanent teeth .....	—	—	—	—	—	—	1.30	1.58	1.56	1.63	2.33
Filled deciduous and permanent teeth .....	—	—	—	—	—	—	4.49	3.63	2.70	1.69	.32
Ratio filled deciduous and permanent teeth to DMF and DEF .....	—	—	—	—	—	—	.73	.66	.61	.49	.11
Ratio missing and extracted to filled teeth .....	.07	.06	.05	.05	.05	.06	.07	.06	.05	.05	.15
Permanent teeth erupted and not decayed .....	20.07	20.24	19.39	16.79	13.32	10.89	9.43	7.27	3.90	.88	—
Deciduous teeth filled and rede decayed .....	—	—	—	—	—	—	.13	.13	.11	.06	.01
Permanent teeth filled and rede decayed .....	.08	.07	.05	.04	.02	.02	.01	.01	.00	.00	—

<sup>1</sup> Dental health indices on deciduous teeth for these children have not been reported since too high a proportion of deciduous teeth have already been shed.





**Figure 3**  
**Total Number of**  
**Enrolled Children by**  
**Year of Operation of**  
**Dental Plan**  
**(Includes Registered Indians)<sup>1</sup>**

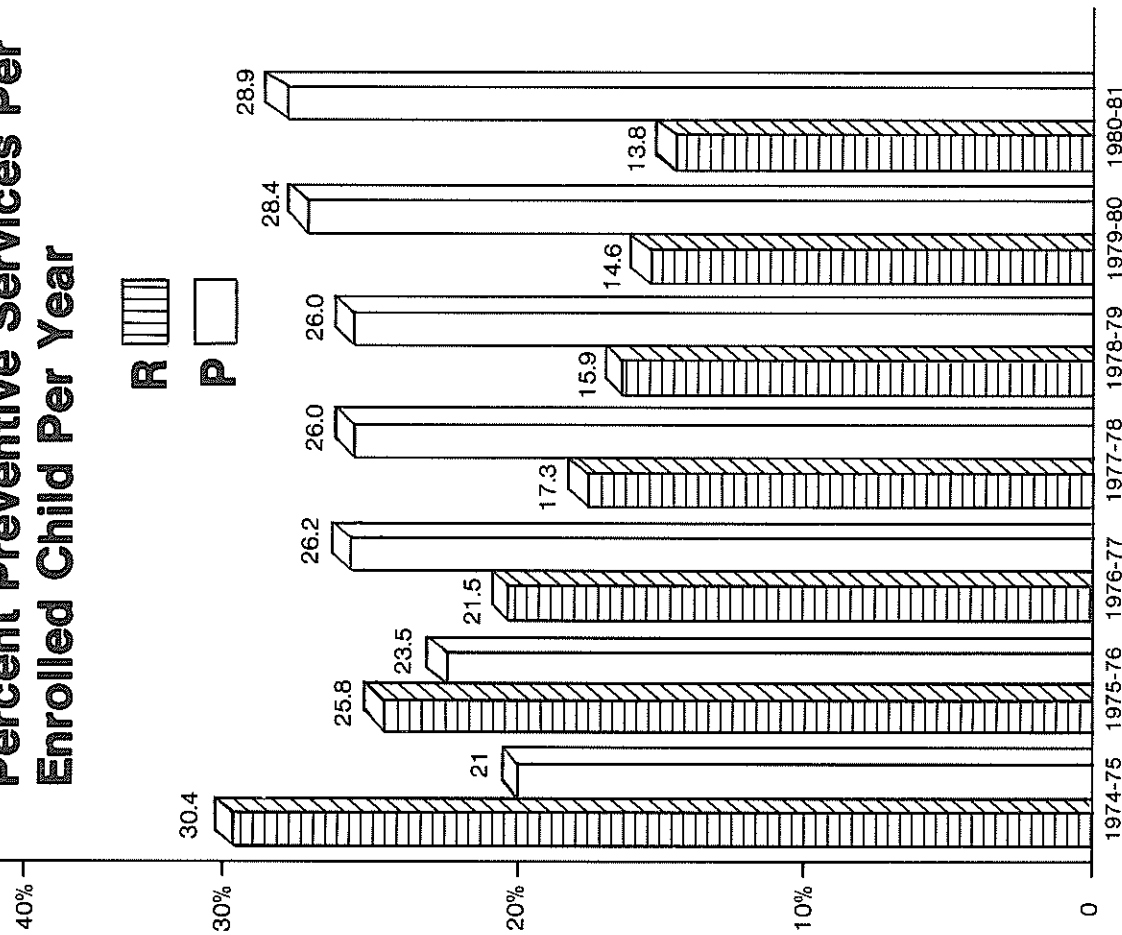


<sup>1</sup> As of August 31 in each program year.

**Figure 4**

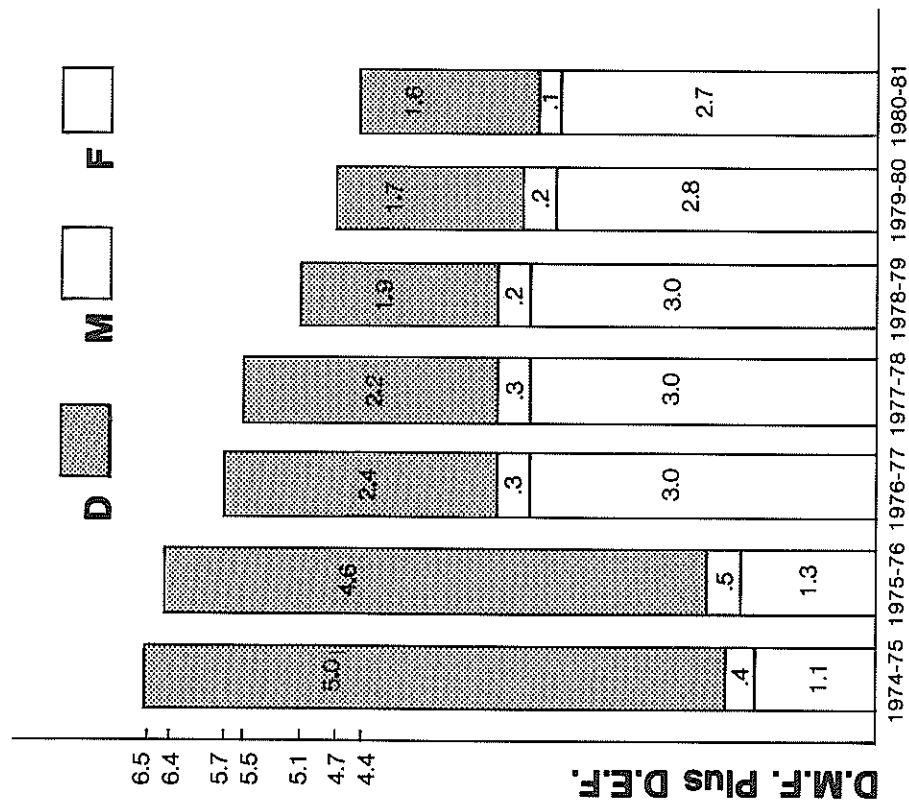
**Percent Restorative Services Vs.**  
**Percent Preventive Services Per**  
**Enrolled Child Per Year**

**R**   
**P** 



**Figure 5**

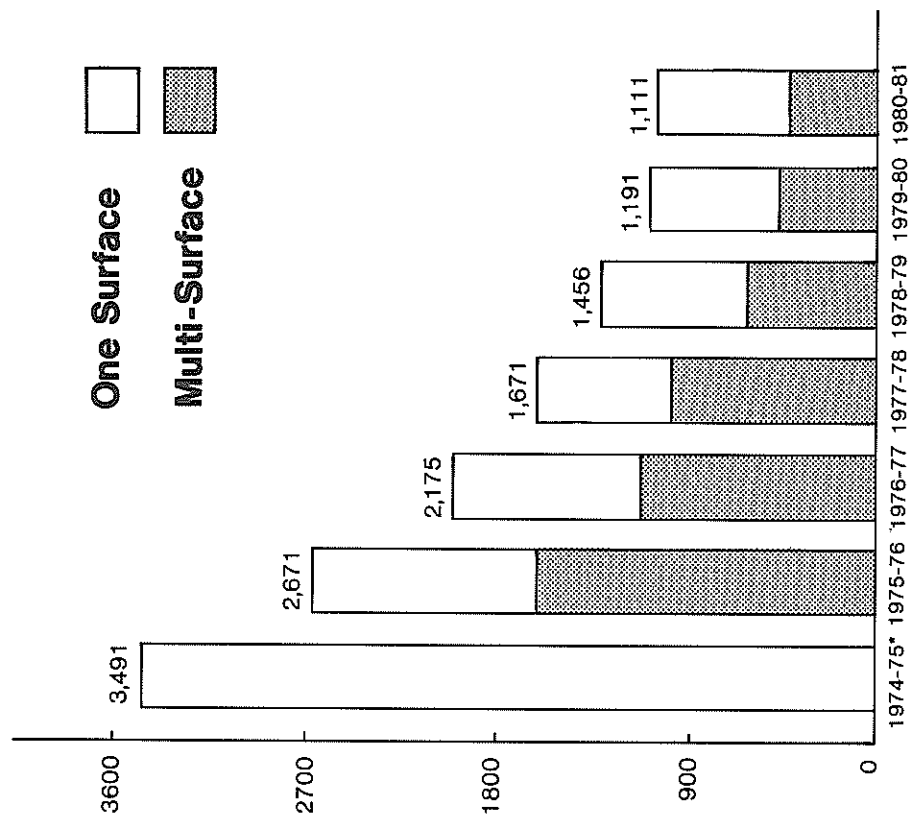
# **Total D.M.F.<sup>1</sup> and D.E.F.<sup>2</sup> for a Six Year Old Child by Year of Program**



<sup>1</sup> Decayed, Missing, Filled (Permanent teeth)  
<sup>2</sup> Decayed, Extracted, Filled (Deciduous teeth)

**Figure 6**

# **Amalgam Restorations Provided by Program Year (Rate per 1,000 Enrolled Children)**



\* Detailed records by number of surfaces per filling were not available during the first year of operation.

## Total services provided to enrolled children

All services provided by Dental Plan staff are recorded, for statistical purposes, in a data information system in addition to the customary patient service record. The volume of services provided by dental plan staff and private dental practitioners during the 1980-81 program year is shown, by age of patient, in table 4. Comparisons with the volume of service provided in previous years may be made by referring to previous reports.

**Table 4**

### Clinical Services Provided<sup>1</sup> September, 1980 – August, 1981

Services	Number (By Year of Birth)											Total
	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	
Parent contacts												
In person .....	2,229	2,341	3,012	3,780	4,020	4,863	5,358	5,898	5,528	7,516	30,599	75,144
By phone .....	7,622	5,419	5,369	5,603	5,660	6,146	6,753	6,579	6,582	6,976	14,477	77,186
By letter .....	15,824	17,200	18,902	17,740	18,707	18,786	20,857	19,868	20,228	15,323	5,919	189,354
Diagnostic services												
Initial oral examination .....	526	544	564	556	617	667	703	799	1,136	1,971	9,618	17,701
Emergency oral examination .....	256	243	289	474	571	636	669	607	655	617	846	5,863
Specific oral examination .....	5,350	5,316	6,777	4,534	6,211	5,930	6,458	5,123	7,049	1,022	214	53,984
Recall examination .....	11,434	12,186	12,896	13,066	12,899	13,162	13,016	12,635	12,432	10,652	987	125,365
Diagnostic models .....	31	53	59	73	99	110	129	132	32	14	10	742
Radiographic services												
Periapical radiographs .....	1,300	1,213	1,479	1,728	1,732	1,588	1,578	1,483	993	445	393	13,932
Bitewing radiographs (single film) .....	6,351	5,987	5,334	4,353	4,486	5,060	4,985	5,917	5,420	3,752	7,048	58,693
Panoramic radiographs .....	11	7	8	10	10	17	10	9	10	7	5	104
Occlusal single .....	23	23	21	29	34	49	98	119	105	40	26	567
Preventive services												
Dental prophylaxis .....	8,982	9,633	10,382	10,694	10,501	10,569	10,642	10,212	10,221	9,793	8,679	110,308
Polish amalgam .....	4,793	5,235	5,245	4,802	4,638	5,409	5,770	5,618	5,027	3,980	2,170	52,687
Topical fluoride .....	9,283	10,052	10,940	11,421	11,296	11,279	11,284	10,968	11,048	10,589	9,013	117,173
Fluoride varnish .....	219	238	278	263	181	160	192	261	160	67	46	2,065
Nutritional counsel (individual) .....	2,056	2,438	2,818	2,736	2,667	2,722	2,574	2,506	2,451	2,322	2,214	27,504
Oral hygiene instruction (individual) .....	9,468	10,469	11,415	11,468	11,406	11,468	11,422	10,938	10,905	10,481	9,827	119,267
Fissure sealant .....	35	19	8	29	20	16	43	27	13	1	3	214
Restorative services												
Total amalgam restorations (silver) .....	14,241	13,265	11,519	9,607	9,469	12,441	15,811	17,651	15,215	14,074	16,730	150,023
Amalgam primary												
One surface .....	29	39	42	128	367	821	1,327	1,970	3,201	4,686	7,117	19,727
Two surface .....	58	76	164	577	1,739	3,583	5,188	6,294	7,451	8,020	8,433	41,583
Three surface .....	7	15	41	93	296	448	518	557	604	662	986	4,227
Four surface .....	2	2	4	3	18	23	29	30	35	46	54	246
Five surface .....	—	—	—	—	2	1	—	1	1	1	2	8
Amalgam permanent												
One surface .....	8,673	8,553	7,472	5,911	4,791	5,297	6,682	6,335	3,068	463	69	57,314
Two surface .....	4,198	3,685	3,141	2,418	1,974	1,984	1,882	2,123	777	185	56	22,423
Three surface .....	1,107	777	568	391	246	244	168	288	70	10	12	3,881
Four surface .....	142	103	78	74	33	30	15	44	8	1	1	529
Five surface .....	25	15	9	12	3	10	2	9	—	—	—	85

<sup>1</sup> Includes services to enrolled registered Indians.

Table 4

## Clinical Services Provided<sup>1</sup> (Continued)

### September, 1980 — August, 1981

Services	Number (By Year of Birth)											Total
	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	
Composite restorations (white) .....	2,319	1,833	1,540	1,314	1,043	857	499	308	206	279	524	10,722
Retentive pins .....	62	48	21	53	29	26	22	28	—	2	3	294
Stainless steel crowns .....	33	48	48	146	444	1,020	1,783	2,255	2,771	2,769	3,301	14,618
Crowns												
Porcelain, plastic, cast, metal .....	58	28	22	28	13	13	4	2	—	—	—	168
Caries control												
Removal of decay and placement of sedative dressing .....	236	202	214	286	387	389	317	365	321	329	470	3,516
Discing or slicing .....	84	68	68	132	180	359	679	633	381	109	56	2,749
Pulp therapy services												
Direct pulp cap .....	50	52	49	39	27	36	29	32	7	7	7	335
Indirect pulp cap .....	136	101	82	54	51	46	49	66	39	13	38	675
Root canal therapy .....	91	80	44	50	31	23	12	3	—	—	—	334
Pulpotomy .....	42	53	54	128	421	797	1,196	1,453	1,799	1,964	2,666	10,573
Periodontal services .....	37	26	11	10	11	7	6	3	1	1	—	113
Surgical services												
Extraction of primary teeth .....	410	674	1,388	1,922	2,232	2,036	1,841	1,704	1,700	1,035	565	15,507
Extraction of permanent teeth .....	89	66	73	103	57	43	16	40	3	2	—	492
Extraction of primary teeth for orthodontic purposes .....	89	260	414	790	914	1,207	983	980	691	285	36	6,649
Extraction of permanent teeth for orthodontic purposes .....	90	149	175	260	186	76	41	18	4	—	—	999
Removal of residual roots (soft tissue coverage) .....	21	18	24	17	36	36	33	50	33	34	17	319
Open and drainage of tooth .....	12	11	10	19	17	58	35	66	63	60	62	413
Surgical exposure of unerupted tooth .....	—	3	3	2	4	4	3	1	—	—	—	20
Removal of tooth (specialist) .....	11	25	39	86	75	45	42	14	19	2	4	362
Other surgical services (specialist) .....	28	35	27	61	62	31	42	20	10	2	1	319
Space maintainers and minor orthodontic services												
Unilateral space maintainer .....	1	2	—	2	21	73	193	289	378	229	218	1,406
Bilateral space maintainer .....	3	7	12	13	29	26	30	40	20	6	5	191
Tooth movement and space regaining .....	26	35	48	68	72	102	113	106	14	5	2	591
Observation/adjustment of of active appliance .....	123	155	213	231	276	357	346	220	33	18	1	1,973
Removal/re-cement of fixed appliance .....	4	12	25	35	57	46	63	23	7	2	1	275
Prevention of thumb sucking .....	—	—	1	—	—	—	—	—	—	—	—	1
Occlusal adjustment .....	4	4	4	6	8	15	14	17	5	6	4	87
Number of Children with Treatment Plans												
Completed .....	10,790	11,396	12,181	12,393	12,290	12,312	12,340	11,964	11,965	11,680	9,681	128,992
Percent of Children with Treatment Completed .....	95.77	97.47	96.30	98.12	97.36	97.85	98.08	97.49	96.58	94.28	83.46	95.78

<sup>1</sup> Includes services to enrolled registered Indians.

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# Referrals and emergency services

The costs of services provided by private practitioners to children enrolled in the Dental Plan are not covered by the Plan. There are two exceptions: referred services and emergency services.

Referrals to private practitioners are of two types. A general referral is given to a patient when the examining dentist feels that the management of the patient is beyond the capability of the dental therapist. Into the category of patient management fall individuals with such problems as mental or physical handicaps and medical or emotional problems. Dental Plan dentists are qualified to deal with such situations, but intensive treatment of special cases is not their primary role in the Plan. Rather, their role is to examine all enrolled children and to supervise treatment. It is therefore considered preferable to refer children requiring extensive management to a private practitioner, who can devote more time to them and provide more intensive care.

Enrolled children are also given specific referrals to private practitioners for specific dental problems beyond the capability of the dental therapist. Into this category fall such services as treatment of minor orthodontic problems and extensive surgical procedures.

Private practitioners also provide emergency services to enrolled children. Emergency services are defined as the relief of pain, treatment of infection, or control of haemorrhage. In emergency cases, the patient does not need to be referred by a Dental Plan dentist in order for service costs to be covered.

In addition, in 1980-81 one private practitioner provided dental care to enrolled children on a contract basis. This arrangement was made in a rural area of the province.

The following table outlines the types and costs of referred and emergency services provided by private practitioners to children enrolled in the Saskatchewan Dental Plan in 1980-81.

Table 5

**Referred and Emergency Services Provided By Private  
Dentists to Children Enrolled In The  
Dental Plan  
September 1980 — August 1981<sup>1</sup>**

Type of Service	Total		Referral		Emergency	
	No.	Cost (\$)	No.	Cost (\$)	No.	Cost (\$)
Total .....	16,299	331,407.36	15,435	276,409.76	864	13,715.23
Initial oral examination .....	1,592	16,648.94	1,591	16,637.49	1	11.45
Specific oral examination .....	385	3,827.40	381	3,787.80	4	39.60
Periapical X-rays .....	1,801	9,661.85	1,598	8,347.30	203	1,314.55
Bitewing X-rays .....	379	1,820.65	371	1,778.40	8	42.25
Panoramic X-rays .....	104	1,795.00	103	1,789.00	1	6.00
Diagnostic models .....	91	1,125.10	91	1,125.10	—	—
Topical fluoride and dental prophylaxis .....	1,006	11,211.40	1,006	11,211.40	—	—
Oral hygiene instruction .....	253	2,241.50	253	2,241.50	—	—
Caries control —						
Removal of decay, place sedative dressing .....	115	632.40	97	533.40	18	99.00
Amalgam restorations .....	2,739	46,030.53	2,664	44,759.83	75	1,270.70
Composite restorations .....	533	12,699.95	468	10,590.50	65	2,109.45
Stainless steel crowns .....	693	18,770.78	672	18,301.23	21	469.55
Crowns — porcelain, plastic cast metal .....	166	14,598.76	160	14,019.76	6	579.00
Pulpotomy .....	510	8,808.15	465	8,002.20	45	805.95
Root canal therapy .....	237	27,790.15	223	26,137.85	14	1,652.30
Partial denture maxillary .....	22	1,742.00	22	1,742.00	—	—
Removal of erupted teeth .....	2,714	37,623.88	2,445	33,877.68	269	3,746.20
Surgical removal of tooth (specialist) .....	351	6,120.60	351	6,120.60	—	—
Other surgical services .....	315	17,649.15	315	17,649.15	—	—
Tooth movement and/or space regaining .....	220	19,408.04	219	19,310.04	1	98.00
Bilateral space maintainer .....	50	3,948.60	50	3,948.60	—	—
Unilateral space maintainer .....	52	2,296.60	52	2,296.60	—	—
Observation orthodontics .....	439	3,347.45	438	3,339.90	1	7.55
Other miscellaneous services .....	1,532	20,326.11	1,400	18,862.43	132	1,463.68
Other services unidentified .....	—	41,282.37	—	—	—	—

<sup>1</sup> An additional \$16,485.52 was paid to one dentist in private practice working on a contract basis providing examination services and writing treatment plans for the children examined. The total amount paid to private practitioners was \$347,892.88 (See Statement 1)

# Expenditures

In a review of the following financial statements, certain points should be noted:

1. The financial statements include only those expenditures incurred directly by the Saskatchewan Dental Plan. These include the provision of secretariat services to the Saskatchewan Dental Nurses Board to June 30, 1981. Costs related to the Saskatchewan Dental Plan which were incurred by other agencies have been excluded.

2. Revenue from the activities of the Saskatchewan Dental Plan has not been applied to offset expenditures. The \$296,571.44 total revenue realized during the year included \$285,377.24 reimbursement from the Department of National Health and Welfare for dental care provided to 4,135 enrolled Indian children during the period September 1, 1979 to August 31, 1980; and \$2,875.00 from registration and licensing of dental nurses by the Saskatchewan Dental Nurses Board during the period September 1, 1980 to June 30, 1981.

3. *The Dental Therapists Act*, proclaimed July 1, 1981, repealed *The Saskatchewan Dental Nurses Act*. The Saskatchewan Dental Plan was relieved from providing secretariat services to the Dental Nurses Board and no longer receives revenue from the registration and licensing of Dental Therapists (formerly Dental Nurses).

4. Certain expenditures were incurred with respect to expanding dental care to adolescents effective September 1, 1981. Major expenditures were purchases of dental equipment and the rewrite of the data processing system. These expenditures will apply to several years of operation and will be amortized to more accurately reflect the cost of providing dental care.

## Statement 1

## Statement of Payments — Operating Expenses

September 1, 1979 — August 31, 1980

September 1, 1980 — August 31, 1981

### Administration (Regina Central Office)

	September 1, 1979 to August 31, 1980	September 1, 1980 to August 31, 1981
Salaries and honoraria .....	\$ 436,083.22	\$ 599,941.23
Travel .....	14,432.70	27,985.87
Public Information and Advertising .....	33,821.59	36,108.89
Professional dues and staff training .....	1,152.90	2,233.05
Office expenses .....	29,269.42	30,579.83
Other Expenses .....	148,975.63	349,436.02
Sub Total .....	\$ 663,735.46	\$ 1,046,284.89

### Program Expenses

Salaries .....	\$6,121,084.61	\$ 7,341,441.80
Travel .....	596,678.28	765,831.17
Public information and advertising .....	1,544.84	484.96
Professional dues and staff training .....	11,760.25	13,998.55
Office expenses .....	141,024.37	149,844.18
Private practitioner services .....	238,006.25	347,892.88
Laboratory supplies and services .....	48,229.97	22,162.12
Dental supplies .....	406,610.02	616,910.67
Repairs .....	24,418.96	37,071.21
Taxes and licences .....	15,103.29	17,015.93
Grants and contributions .....	33,933.35	184,940.00
Other expenses .....	56,138.12	129,135.04
Sub Total .....	\$7,694,532.31	\$ 9,626,728.51
Total operating expenditure .....	\$8,358,267.77	\$10,673,013.40
Capital equipment purchases .....	158,811.75	263,337.88
Total expenditure .....	\$8,517,079.52	\$10,936,351.28

## Statement 2

### Expenditure Statement Reconciliation to Public Accounts<sup>1</sup>

	Public Accounts	Program Year
Expenditure Sept. 1/78 — March 31/79 .....	not applicable <sup>2</sup>	4,826,846.42
Expenditure April 1/79 — August 31/79 .....	2,957,072.90	2,957,072.90
Total expenditure 1978-79 program year .....		7,783,919.32
Expenditure Sept. 1/79 — March 31/80 .....	4,579,932.20	4,579,932.20
Public Accounts 1979-80 .....	7,537,005.10	
Expenditure April 1/80 — August 31/80 .....	3,937,147.32	3,937,147.32
Total expenditure 1979-80 program year .....		8,517,079.52
Expenditure Sept. 1/80 — March 31/81 .....	6,394,676.58	6,394,676.58
Public Accounts 1980-81 .....	10,331,823.90	
Expenditure April 1/81 — August 31/81 .....		4,541,674.70 <sup>3</sup>
Total expenditure 1980-81 program year .....		10,936,351.28

<sup>1</sup> This reconciliation is included because the Saskatchewan Dental Plan operates on a school year (begins September 1) rather than on the Government fiscal year (begins April 1).

<sup>2</sup> The figures for this period apply to the fiscal year 1978-79 and have been reported in previous reports. The figure is not reported here to avoid confusion.

<sup>3</sup> These figures, obtained from the Department of Finance monthly expenditure statements relating to the Saskatchewan Dental Plan, will be included in the Public Accounts for the 1981-82 fiscal year.



### Statement 3

## Adjustment to Cash Expenditure Statements Shown in Statement 1 to Determine Actual Cost of Services Rendered to Enrolled Children

September 1, 1979 to August 31, 1980

September 1, 1980 to August 31, 1981

Total Operating Expenditure	Program Year September 1/79 — August 31/80		Program Year September 1/80 — August 31/81	
(from statement 1) .....		\$8,358,267.77		\$10,673,013.40
Add dental supplies opening inventory .....	\$397,458.72		\$438,878.18	
Less dental supplies closing inventory .....	(438,878.18)		(523,578.32)	
Add repair parts opening inventory .....	44,065.18		46,728.71	
Less repair parts closing inventory .....	(46,728.71)		(42,484.89)	
Add equipment losses .....				
Less grant paid to the College of Dental Surgeons of Saskatchewan for the Summer Dental Externship Program <sup>1</sup> .....	(13,700.00)		(13,800.00)	
Less stipend paid to student dentists for the Dental Options Program <sup>2</sup> .....	(1,300.00)		(1,140.00)	
Less grant paid to the Swift Current Health Region No. 1 <sup>3</sup> .....	—		(170,000.00)	
Less cost of rewriting the data processing system <sup>4</sup> .....	—		(137,118.20)	
Sub Total .....		\$8,299,184.78		\$10,270,498.88
Add depreciation .....		130,244.74		126,386.05 <sup>5</sup>
Add amortization .....				27,423.64 <sup>6</sup>
Actual cost of services .....		\$8,429,429.52		\$10,424,308.57
Number of enrolled children .....		122,139		134,673
Average cost per enrolled child <sup>7</sup> .....		69.02		77.40

<sup>1</sup> Grant for students in the College of Dentistry, U of S, serving a dental externship with private practise dentists in rural Saskatchewan.

<sup>2</sup> Final year students in the College of Dentistry, U of S, may opt to study S.D.P. as an approved public program. They are paid a stipend to help defray travel costs.

<sup>3</sup> Grant to assist in defraying the cost of the approved dental program for the period January 1/81 — August 31/81 for persons born in the years 1962 to 1965, and 1977 (details on page 22 of this report).

<sup>4</sup> A complete rewrite of the data processing system was required to accommodate dental care to adolescents. Phase 1 of the system rewrite was undertaken during 1980-81. This new system will be in use for several years; therefore the costs are being amortized during the phase-in period of dental care to adolescents.

<sup>5</sup> Opening inventory of depreciated fixed assets (\$709,480.53 — \$130,244.74) ..... \$579,235.79  
Add purchases during year ..... 263,337.88  
Undepreciated fixed assets ..... \$842,573.67

Depreciation calculated at 15% of undepreciated value of fixed assets ..... \$126,386.05

<sup>6</sup> Costs incurred for rewrite of the data processing system ..... \$137,118.20

Amortization calculated at 20% of unamortized value of system ..... \$ 27,423.64

<sup>7</sup> Calculated by dividing the actual cost of services by the number of children enrolled.

Note: The Department of Education covers the cost of establishing dental clinics in schools. \$2,137,791.80 was spent prior to August 31, 1980. An additional \$798,066.00 was spent during September 1/80 — August 31/81 (includes \$432,802.00 spent on clinics in highschools). These expenditures are capital in nature and should be amortized over the life of the facility. Based on a depreciation rate of 5%, the depreciation would be approximately \$146,792.89. This would represent an average cost per enrolled child of:  $\frac{\$146,792.89}{134,673} = \$1.09$

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## Appendix

### Established Dental Clinics

#### by Dental Region and Location

##### Swift Current Dental Region

Location	School
Burstall .....	Burstall School
Cabri .....	Cabri Elementary
Central Butte .....	Central Butte Elementary
Chaplin .....	Chaplin Elementary
Climax .....	Climax Elementary
Consul .....	Consul School
Eastend .....	Eastend School
Fox Valley .....	Fox Valley Elementary
Frontier .....	Frontier School
Gravelbourg .....	Gravelbourg Elementary
Gull Lake .....	Gull Lake Elementary
Herbert .....	Herbert Elementary
Hodgeville .....	Hodgeville Elementary
Kincaid .....	Kincaid School
Lancer .....	Lancer Elementary
Leader .....	Leader Elementary
Mankota .....	Mankota School
Maple Creek .....	Jasper Street Elementary Sidney Street Elementary
Morse .....	Morse School
Ponteix .....	Ponteix Elementary
Richmound .....	Richmound School
Shaunavon .....	Christ the King School Shaunavon Public School
Swift Current .....	Ashley Park Elementary Central Elementary Dickson Elementary Fairview Elementary James O. Begg Elementary Kinsman/Oman Elementary
Val Marie .....	Val Marie School
Vanguard .....	Vanguard Elementary
Wymark .....	Wymark Elementary
Total Clinics for 1980-81 .....	33

##### Regina Dental Region

Location	School
Abernethy .....	Abernethy School
Assiniboia .....	Assiniboia Jr. High
Avonlea .....	Avonlea Elementary
Balcarres .....	Balcarres School
Balgonie .....	Balgonie Elementary
Bengough .....	Bengough School
Bethune .....	Bethune School
Briercrest .....	Briercrest School
Brownlee .....	Brownlee School
Caronport .....	Caronport Elementary

## Regina Dental Region (continued)

Location	School
Ceylon .....	Ceylon Elementary
Coderre .....	Coderre School
Coronach .....	Coronach School
Crane Valley .....	Crane Valley School
Creelman .....	Creelman Elementary
Cupar .....	Cupar Elementary
Dysart .....	Dysart School
Fillmore .....	Fillmore School
Fort Qu'Appelle .....	Fort Qu'Appelle Elementary
	Francis School
Glenavon .....	Gladmar High
	Glenavon School
Goodwater .....	Goodwater Elementary
Govan .....	Govan Elementary
Grand Coulee .....	Grand Coulee School
Indian Head .....	Indian Head Elementary
Kelliher .....	Kelliher School
Lake Alma .....	Lake Alma Elementary
Lang .....	Lang Elementary
Lipton .....	Lipton Elementary
Lestock .....	Lestock Elementary
	Lestock High
Limerick .....	Limerick Elementary
Lumsden .....	Lumsden Elementary
McLean .....	McLean School
Marquis .....	St. Mark Separate Elementary
Midale .....	Midale School
Milestone .....	Milestone Elementary
Minton .....	Minton Elementary
Montmartre .....	Montmartre Separate Elementary
Moose Jaw .....	Alexander Elementary
	Bushell Park School
	Empire Elementary
	Kind Edward Elementary
	King George Elementary
	Lindale School
	Palliser Heights Elementary
	Prince Arthur Elementary
	Ross Elementary
	Westmount Elementary
	William Grayson Elementary
	Sacred Heart Elementary
	St. Agnes Elementary
	St. Michael Elementary
	Moose Jaw District Office
Mortlach .....	Mortlach School
Mossbank .....	Mossbank Health Clinic
Ogema .....	Ogema School
Pangman .....	Pangman Elementary
Pilot Butte .....	Pilot Butte Elementary
Punnichy .....	Punnichy Elementary
	Punnichy High
Quinton .....	Quinton Elementary
Radville .....	Radville Elementary
	St. Olivers Elementary
Raymore .....	Raymore School

## Regina Dental Region (continued)

Location	School
Regina .....	Al Picard School Argyle Elementary Athabasca Elementary Benson Elementary Birchwood Elementary Campbell Collegiate Coronation Park Elementary Dieppe Elementary Dover Elementary Dr. A. E. Perry Elementary Dr. Hanna Elementary Elsie Dorsey Elementary Ethel Milliken Elementary George Lee Elementary Grant Road Elementary Henry Janzen Elementary Judge Bryant Elementary Kitchener Elementary M. J. Coldwell Elementary Marion McVeety Elementary Maranatha Christian Centre McLurg Elementary McNabb Elementary R. J. Davidson Elementary Regent Park Elementary Rosemont Elementary Ruth Pawson Elementary Sherwood Elementary Transcona Elementary Wascana Elementary Wascana Hospital W. C. Howe Elementary W. H. Ford Walker Elementary Wilfred Hunt Elementary Deshaye Separate Elementary St. Anne Elementary St. Augustine Separate Elementary St. Bernadette Separate Elementary St. Dominic Savio Elementary St. Francis Separate Elementary St. Jerome Separate Elementary St. Gregory Separate Elementary St. James Separate Elementary St. Joan of Arc Separate Elementary St. John Separate Elementary St. Josephat Separate Elementary St. Leo Separate Elementary St. Luke Separate Elementary St. Mary Separate Elementary St. Matthew's Separate Elementary St. Patrick Separate Elementary St. Peter Separate Elementary St. Philip Separate Elementary St. Pius X Separate Elementary St. Timothy Separate Elementary Wascana Institute
Rockglen .....	Rockglen Elementary
Rouleau .....	Rouleau Elementary
Sedley .....	Sedley Elementary

## Regina Dental Region (continued)

Location	School
Semans .....	Semans Elementary
Sintaluta .....	Sintaluta Elementary
Southey .....	Southey Elementary
Spring Valley .....	Artesian School
Strasbourg .....	Strasbourg Elementary
Vibank .....	Vibank Elementary
Weyburn .....	Haig Elementary
	Queen Elizabeth Elementary
	Souris School
	Elgin Elementary
	St. Dominic Savio Elementary
	Weyburn Jr. High
Willow Bunch .....	Willowbunch Elementary
Windthorst .....	Windthorst School
Wolseley .....	Dr. Isman Elementary
Wood Mountain .....	Wood Mountain School
Yellow Grass .....	Yellow Grass Elementary
Total Clinics for 1980 - 1981 .....	143

## Saskatoon Dental Region

Location	School
Aberdeen .....	Aberdeen Elementary
Allan .....	Allan School
Asquith .....	Asquith School
Beechy .....	Beechy School
Borden .....	Borden School
Clavet .....	Clavet School
Colonsay .....	Colonsay School
Conquest .....	Conquest School
Craik .....	Craik School
Dalmeny .....	Dalmeny School
Davidson .....	Davidson School
Delisle .....	Delisle Elementary
Duck Lake .....	Stobart Elementary
Dundurn .....	Dundurn Elementary
Elbow .....	Elbow Elementary
Hague .....	Prince Philip Elementary
Hanley .....	Hanley School
Hepburn .....	Hepburn School
Holdfast .....	Holdfast School
Imperial .....	Imperial School
Kenaston .....	Kenaston School
Langham .....	Langham Elementary
Lanigan .....	Lanigan Elementary
Leroy .....	Leroy Medical Health Centre
Lucky Lake .....	Lucky Lake School
Martensville .....	Martensville Elementary
Nokomis .....	Nokomis School
Osler .....	R. J. Davidson Elementary
Outlook .....	Outlook Elementary
Perdue .....	Perdue School
Radisson .....	Radisson School
Rosthern .....	Rosthern Elementary

## Saskatoon Dental Region (continued)

Location	School
Saskatoon .....	Alvin Buckwold Elementary
	Bishop Klein Elementary
	Bishop Pocock Elementary
	Bishop Roborecki Elementary
	Boughton Elementary
	Brevoort Park Elementary
	Buena Vista Elementary
	Cardinal Leger Elementary
	Caroline Robins Elementary
	Caswell Elementary
	Churchill Elementary
	College Park Elementary
	Confederation Park Elementary
	Estey Elementary
	Fairhaven Elementary
	Father Vachon Elementary
	French School
	George Vanier Elementary
	Greystone Heights Elementary
	Grosvenor Park Elementary
	Haultain Elementary
	Henry Kelsey Elementary
	Holliston Elementary
	Holy Family Elementary
	Howard Coad Elementary
	Hugh Cains Elementary
	John Lake Elementary
	King George Elementary
	Lakeview Elementary
	Lawson Heights Elementary
	Lester B. Pearson Elementary
	Lorne Haselton Elementary
	McNab Park Elementary
	Mayfair Elementary
	Montgomery Elementary
	North Park Elementary
	Pleasant Hill Elementary
	Prince Philip Elementary
	Princess Alexandra Elementary
	Queen Elizabeth Elementary
	Richmond Heights Elementary
	River Heights Elementary
	Roland Michener Elementary
	Silverwood Elementary
	St. Anne Elementary
	St. Augustine Elementary
	St. Bernard Elementary
	St. Charles Elementary
	St. Edward Elementary
	St. Frances Elementary
	St. George Elementary
	St. Gerard Elementary
	St. Goretti Elementary
	St. James Elementary
	St. John's Elementary
	St. Mark's Elementary
	St. Mary's Elementary
	St. Matthew Elementary
	St. Michael Elementary

## Saskatoon Dental Region (continued)

Location	School
Saskatoon .....	St. Patrick Elementary St. Paul's Elementary St. Philip Elementary St. Thomas Elementary Sister O'Brien Elementary South Corman Park Elementary Sutherland Elementary Thornton Elementary University Victoria Elementary Vincent Massey Elementary Westmount Elementary Wildwood Elementary Wilson Elementary W. P. Bates Strongfield Elementary
Strongfield .....	Strongfield Elementary
Vanscoy .....	Vanscoy Elementary
Viscount .....	Viscount Elementary
Vonda .....	Vonda Elementary
Waldheim .....	Waldheim School
Warman .....	Warman Elementary
Watrous .....	Watrous Elementary
Young .....	McClellan School
Total Clinics for 1980 - 1981 .....	114

## Yorkton Dental Region

Location	School
Alida .....	Alida School
Archerwill .....	Archerwill School
Arcola .....	Arcola School
Arran .....	Arran School
Bienfait .....	Bienfait School
Bredenbury .....	Bredenbury School
Broadview .....	M. B. Cope Elementary
Buchanan .....	Buchanan School
Canora .....	Canora Junior Elementary Canora Senior Elementary
Carnduff .....	Carnduff Elementary
Carlyle .....	Carlyle School
Churchbridge .....	Churchbridge Elementary
Esterhazy .....	P. J. Gillian School
Estevan .....	Pleasantdale Elementary Sacred Heart School Scotsburn School St. Mary's School Westview School
Endeavour .....	Endeavour Elementary
Foam Lake .....	Foam Lake Elementary
Grayson .....	Grayson School
Grenfell .....	Grenfell Elementary
Invermay .....	Invermay Elementary
Ituna .....	Ituna School
Kamsack .....	Victoria Elementary
Kelvington .....	Robert Melrose Elementary
Killaly .....	Killaly School
Kipling .....	Kipling School

## Yorkton Dental Region (continued)

Location	School
Lampman .....	Lampman School
Langenburg .....	Parkside Elementary
Lemberg .....	Lemberg School
Lintlaw .....	Lintlaw Okla School
MacNutt .....	MacNutt School
Manor .....	Manor School
Maryfield .....	Maryfield School
Margo .....	Margo School
Melville .....	Melville Comprehensive
	Miller Elementary
Moosomin .....	Churchill School
Neudorf .....	Neudorf Elementary
Norquay .....	Norquay Elementary
Oxbow .....	Mobile Home
Preeceville .....	Preeceville School
Quill Lake .....	Quill Lake Elementary
Rama .....	Rama School
Redvers .....	Redvers School
Rocanville .....	Rocanville School
Rose Valley .....	Rose Valley School
Saltcoats .....	Saltcoats Elementary
Sheho .....	Sheho School
Storthoaks .....	St. Thomas School
Stoughton .....	Stoughton School
Sturgis .....	Sturgis Elementary
Theodore .....	Theodore School
Wadena .....	Wadena Elementary
Wapella .....	Wapella School
Wawota .....	Wawota School
Whitewood .....	Whitewood School
Willowbrook .....	Willowbrook Elementary
Wishart .....	Wishart School
Wynyard .....	Wynyard Composite High
	Wynyard Elementary
Yorkton .....	Angus Spice Elementary
	Columbia Elementary
	Dr. Brass Elementary
	Simpson Elementary
	St. Mary's Elementary
	St. Paul's Elementary
Total Clinics 1980 - 1981 .....	69

## Prince Albert Dental Region

Location	School
Albertville .....	Albertville Elementary
Annaheim .....	Annaheim School
Arborfield .....	Arborfield School
Big River .....	T. D. Michel Elementary
Birch Hills .....	Birch Hills Elementary
Bjorkdale .....	Bjorkdale School
Bruno .....	Bruno School
Canwood .....	Canwood Elementary
Carragana .....	Carragana Elementary
Carrot River .....	Carrot River Elementary
Cecil S. D. No. 130 .....	Prince Albert East Central
Christopher Lake .....	Christopher Lake School



## Prince Albert Dental Region (continued)

Location	School
Codette .....	Codette Elementary
Crystal Springs .....	Dixon Lake School
Cudworth .....	Cudworth School
Davis .....	Osborne Elementary
Debden .....	Debden School
Domremy .....	Domremy School
Englefeld .....	Englefeld School
Garrick .....	Garrick Elementary
Gronlid .....	Gronlid Elementary
Hudson Bay .....	Blake Beattie Elementary
	Stewart Hawke
Humboldt .....	Humboldt Elementary
	St. Augustine Elementary
	St. Dominic Elementary
Kinistino .....	Kinistino Elementary
Lake Lenore .....	Lake Lenore School
MacDowall .....	MacDowell Elementary
Meath Park .....	Meath Park Elementary
Melfort .....	Reynolds Central Elementary
Middle Lake .....	Middle Lake School
Mistatim .....	Mistatim School
Mont Nebo .....	Mont Nebo Elementary
Muenster .....	Muenster School
Naicam .....	Naicam School
Nipawin .....	Alex Wright Elementary
	Wagner Elementary
Paddockwood .....	Paddockwood Elementary
Pleasantdale .....	Pleasantdale School
Porcupine Plain .....	Porcupine Plain School
Prairie River .....	Prairie River Elementary
Prince Albert .....	Boucher Junior Elementary
	Berezowsky Elementary
	King George Elementary
	St. Marks Elementary
	Vickers School
	Westmore Jr. High
Prince Albert Rural .....	West Central School
Prud'Homme .....	Prud'Homme School
Red Wing .....	Red Wing Elementary
Ridgedale .....	Ridgedale School
Sage Hill .....	Dana Elementary
Shellbrook .....	Shellbrook Elementary
Shell Lake .....	Shell Lake Elementary
Smeaton .....	Smeaton School
Spalding .....	Spalding School
Spruce Home .....	Spruce Home Central Elementary
Star City .....	Star City School
St. Brieux .....	St. Brieux School
St. Louis .....	St. Louis School
Tisdale .....	Tisdale Elementary
Wakaw .....	Wakaw School
Watson .....	Watson Elementary
Weekes .....	Weekes High School
Weirdale .....	Weirdale Elementary
Weldon .....	Weldon School
White Fox .....	White Fox School
Wild Rose .....	Wild Rose Central Elementary
Yellow Creek .....	Yellow Creek School
Zenon Park .....	Zenon Park School
Total Clinics for 1980 - 1981 .....	71

## North Battleford Dental Region

Location	School
Alsask .....	DND School
Battleford .....	Battleford Central School
Biggar .....	Nova Wood Elementary
Blaine Lake .....	Blaine Lake School
Cando .....	Cando School
Cochin .....	Cochin Elementary
Coleville .....	Rossville Elementary
Cut Knife .....	Cut Knife Elementary
D'arcy .....	D'arcy Elementary
Denzil .....	Denzil Elementary
Dinsmore .....	Dinsmore Elementary
Doddsland .....	Doddsland Elementary
Dorintosh .....	Dorintosh Elementary
Eatonia .....	Eaton School
Edam .....	H. Hardcastle School
Elrose .....	Elrose School
Eston .....	Eston Elementary
Glaslyn .....	Glaslyn School
Goodsoil .....	Goodsoil Central School
Hafford .....	Hafford School
Harris .....	Harris-Tessier School
Herschel .....	Herschel Elementary
Hillmond .....	Hillmond Central School
Kerrobert .....	Mary Rodney Elementary
Kindersley .....	Kindersley School Unit Office
Kyle .....	Kyle School
Landis .....	Landis School
Lashburn .....	J. H. Moore Elementary
Leask .....	Leask School
Leipzig .....	Leipzig School
Leoville .....	Leoville School
Livelong .....	Livelong Elementary
Lloydminster .....	E. S. Laird School
	Father Gorman Elementary
	Neville Goss Elementary
	Winston Churchill Elementary
Loon Lake .....	Ernie Studer School
Luseland .....	Luseland Elementary
Macklin .....	Macklin Elementary
Maidstone .....	Ratushniak Elementary
Major .....	Major School
Makwa .....	Makwa School
Marcelin .....	Marcelin School
Marengo .....	Westcliffe School
Marsden .....	Marsden Elementary
Mayfair .....	Mayfair School
Maymont .....	Maymont Central School
Meadow Lake .....	Jubilee Elementary
	Lakeview Elementary
Medstead .....	Medstead Elementary
Milden .....	Milden Central School
North Battleford .....	McKitrick Elementary
	Notre Dame Elementary
Neilburg .....	Neilburg Composite School
Paradise Hill .....	Paradise Hill Elementary
Paynton .....	Paynton School
Pierceland .....	Pierceland Elementary
Plenty .....	Plenty Elementary
Primate .....	Primate School
Rabbit Lake .....	Rabbit Lake Elementary

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## North Battleford Dental Region (continued)

Location	School
Rosetown .....	Walter Aseltine Elementary
Sonningdale .....	Sonningdale School
Scott .....	Scott Elementary
Smiley .....	Smiley Elementary
Speers .....	Speers Elementary
Spiritwood .....	Spiritwood Elementary
Spruce Lake .....	Spruce Lake Elementary
Tramping Lake .....	Tramping Lake School
Turtleford .....	Turtleford School
Unity .....	St. Peter's Elementary
	Unity Elementary
Vawn .....	Vawn Elementary
Wilkie .....	McLurg High School
	St. George Separate School
Wiseton .....	Wiseton Elementary
Total Clinics for 1980 - 1981 .....	75
<b>Total Number of Clinics — All Regions .....</b>	<b>505</b>