



## Michigan Dental Sealant Program

### All Grantees Data Report

2018-2019 School Year

Fiscal Year 2019

#### Report Purpose

This report is intended to provide a descriptive summary of the patient population serviced by grantees participating in the SEAL! Michigan Dental Sealant Program within the Michigan Department of Health and Human Services during the grant period October 1, 2018-September 30, 2019. Data was obtained from child-level forms submitted by grantees to the Michigan Department of Health and Human Services.

Program-level data are provided in each table and include the total number of patient records with missing data for each reported element. Program Managers should examine areas to improve data quality and collection.

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## Demographics Results

Table 1. Gender of Students Screened		
	All Grantees	
	Number of Students	Percent (%)
Male	3,333	48.3
Female	3,532	51.2
<b>Total</b>	<b>6,865</b>	<b>95.5</b>
Missing	32	0.5

- A total of 6,897 students were screened between October 1, 2018 and September 30, 2019 with 48.3% being male and 51.2% being female.

Table 2. Current Grade of Students Screened		
	All Grantees	
	Number of Students	Percent (%)
Kindergarten	850	12.3
1st	1,249	18.1
2nd	1,553	22.5
3rd	660	9.6
4th	657	9.5
5th	614	8.9
6th	707	10.3
7th	324	4.7
8th	163	2.4
9th	13	0.2
10th	7	0.1
11th	4	0.1
12th	0	0.0
<b>Total</b>	<b>6,801</b>	<b>98.6</b>
Missing	96	1.4

- Students from kindergarten through 11th grades were screened, the majority coming from 1st and 2nd grade.
- The average age of the students was 8.4 years and the range was between 4 and 18 years.

<b>Table 3. Race of Students Screened</b>		
	<b>All Grantees</b>	
	<b>Number of Students</b>	<b>Percent (%)</b>
<b>Black</b>	999	16.7
<b>White</b>	3,854	64.5
<b>Asian</b>	222	3.7
<b>Hispanic</b>	632	10.6
<b>Arab American</b>	65	1.1
<b>American Indian/Alaskan Native</b>	83	1.4
<b>Native Hawaiian/Pacific Islander</b>	7	0.1
<b>Other</b>	27	0.5
<b>More than One Race</b>	864	12.6
<b>Unknown</b>	87	1.3
<b>Total</b>	<b>6,840</b>	<b>99.2</b>
<b>Missing</b>	57	0.8

- The students were of various racial and ethnic backgrounds including Arab American, Hispanic and Black.
- More than half of the students were White, 16.7% were Black and 12.6% were Multiracial.

<b>Table 4. Special Health Care Need Status of Students Screened</b>		
	<b>All Grantees</b>	
	<b>Number of Students</b>	<b>Percent (%)</b>
<b>Has Special Health Care Needs</b>	1,751	25.4
<b>No Special Health Care Needs</b>	5,086	73.7
<b>Total</b>	<b>6,837</b>	<b>99.1</b>
<b>Missing</b>	60	0.9

- One in four students had special health care needs which included those needing more medical care and those receiving special therapy, counseling or treatment.

<b>Table 5. Insurance Status of Students Screened</b>		
	<b>All Grantees</b>	
	<b>Number of Students</b>	<b>Percent (%)</b>
<b>Medicaid</b>	79	1.1
<b>Private</b>	974	14.1
<b>Healthy Kids Dental</b>	3,886	56.3
<b>Other</b>	170	2.5
<b>None</b>	1,141	16.5
<b>Unknown</b>	594	8.6
<b>Total</b>	<b>6,844</b>	<b>99.2</b>
<b>Missing</b>	53	0.8

- Over half of the students were on Healthy Kids Dental Insurance and 1.1% of the students had Medicaid insurance.
- One in six had no dental insurance.

## Screening Results

**Table 6. Untreated Cavity Status of Students Screened**

	All Grantees	
	Number of Students	Percent (%)
Untreated Cavities Present	2,549	37.0
No Untreated Cavities	4,334	62.8
<b>Total</b>	<b>6,883</b>	<b>99.8</b>
Missing	14	0.2

- At the time of the screening 37.0% of the students had untreated cavities.

**Table 7. Caries Experience of Students Screened**

	All Grantees	
	Number of Students	Percent (%)
Caries Experience	3,316	48.1
No Caries Experience	3,547	51.4
<b>Total</b>	<b>6,863</b>	<b>99.5</b>
Missing	34	0.5

- Almost half, 48.1%, of the students screened had evidence of past caries experience (i.e. fillings, crowns, or missing teeth due to extractions).

**Table 8. Presence of Sealants among Students Screened**

	All Grantees	
	Number of Students	Percent (%)
Sealants Present	2,688	39.0
No Sealants Present	4,173	60.5
<b>Total</b>	<b>6,861</b>	<b>99.5</b>
Missing	36	0.5

- At the time of the screening, 39.0% of the students had at least one sealant present.

**Table 9. Urgency of Needed Treatment among Students Screened**

	All Grantees	
	Number of Students	Percent (%)
No Obvious Problem	4,255	61.7
Early Dental Care	2,068	30.0
Urgent Care Needed	528	7.7
<b>Total</b>	<b>6,851</b>	<b>99.3</b>
Missing	46	0.7

- One in three students were in need of early dental care due to a small cavity that was not causing pain.
- Almost 8% of the students were in need of urgent dental care. This could have been due to severe decay or abscessed, painful or bleeding areas.

Table 10. Referral for Treatment Recommended for Students Screened		
	All Grantees	
	Number of Students	Percent (%)
Referred for Treatment	6,512	94.4
Not Referred for Treatment	335	4.9
<b>Total</b>	<b>6,847</b>	<b>99.3</b>
Missing	50	0.7

- SEAL! Michigan recommends all students be referred to a dental home after being screened. Referrals could include paperwork and a list of dental referrals, in the 2018-2019 school year 94.4% of students screened were referred for treatment.

Table 11. Referral Status by Urgency of Needed Treatment among Students Screened		
	All Grantees	
	Referred for Treatment	
Treatment Urgency	Yes	No
No Obvious Problem	3,910	319
Early Dental Care	2,047	8
Urgent Care Needed	525	0

- Of those students referred for dental treatment, 31.4% were in need of early dental care and 8.1% needed urgent care.

Table 12. Number of Decayed or Filled First Molars per Student Screened		
Number of First Molars	All Grantees	
	Number of Students	Percent (%)
0	5,244	76.0
1	535	7.8
2	393	5.7
3	245	3.6
4	448	6.5
<b>Total</b>	<b>6,865</b>	<b>99.5</b>
Missing	32	0.5

- More than 75% of the students screened had no decayed or filled first molars.
- Of the students screened, 6.5% had evidence of decay or fillings on all four first molars.

**Table 13. Number of Decayed or Filled Second Molars per Student Screened**

Number of Second Molars	All Grantees	
	Number of Students	Percent (%)
0	6,658	96.5
1	78	1.1
2	50	0.7
3	21	0.3
4	32	0.5
<b>Total</b>	<b>6,839</b>	<b>99.2</b>
<b>Missing</b>	<b>58</b>	<b>0.8</b>

- Of the students screened, 96.5% had no decay or fillings on their second molars.
- One in 200 had decay or fillings on all four of their second molars.

## Preventive Services Results

**Table 14. Number of First Molars Sealed per Student Screened**

Number of First Molars	All Grantees	
	Number of Students	Percent (%)
0	3,606	52.3
1	403	5.8
2	645	9.4
3	397	5.8
4	1,803	26.1
<b>Total*</b>	<b>6,854</b>	<b>99.4</b>
<b>Missing</b>	<b>43</b>	<b>0.6</b>

- Almost half of screened students received at least one sealant on a first molar; 5.8% received one sealant, 9.4% received two sealants, 5.8% received three sealants and 26.1% received sealants on all four first molars.
- In total 10,096 sealants were placed on first molars.

\*Total number of first molars sealed by all grantees: 10,096

**Table 15. Number of Second Molars Sealed per Student Screened**

Number of Second Molars	All Grantees	
	Number of Students	Percent (%)
0	6,173	89.5
1	152	2.2
2	177	2.6
3	92	1.3
4	253	3.7
<b>Total*</b>	<b>6,847</b>	<b>99.3</b>
<b>Missing</b>	<b>50</b>	<b>0.7</b>

- One in 10 of students received at least one sealant on a second molar; 2.2% received one sealant, 2.6% received two sealants, 1.3% received three sealants and 3.7% received sealants on all four second molars.
- In total, 1,794 sealants were placed on second molars.

\*Total number of second molars sealed by all grantees: 1,794

<b>Table 16. Number of Other Teeth Sealed per Student Screened</b>		
<b>Number of Other Teeth</b>	<b>All Grantees</b>	
	<b>Number of Students</b>	<b>Percent (%)</b>
<b>0</b>	6,018	87.3
<b>1</b>	142	2.1
<b>2</b>	134	1.9
<b>3</b>	75	1.1
<b>4</b>	106	1.5
<b>5</b>	51	0.7
<b>6</b>	58	0.8
<b>7</b>	58	0.8
<b>8</b>	195	2.8
<b>Total*</b>	<b>6,837</b>	<b>99.1</b>
<b>Missing</b>	60	0.9

\*Total number of other teeth sealed by all grantees: 3,628

- 11.8% of students received a sealant on a tooth other than the first or second molar.
- In total 3,628 sealants were placed on teeth other than a first or second molar.

<b>Table 17. Type of Fluoride Treatment Given to Students Screened</b>		
	<b>All Grantees</b>	
	<b>Number of Students</b>	<b>Percent (%)</b>
<b>Varnish</b>	6,200	89.9
<b>Gel/Foam/Rinse</b>	1	0.0
<b>None</b>	633	9.2
<b>Total</b>	<b>6,834</b>	<b>99.1</b>
<b>Missing</b>	63	0.9

- Fluoridation is recommended at these screenings, 89.9% of students received a fluoride varnish treatment.