



Michigan Dental Sealant Program

All Grantees Data Report

2017-2018 School Year

Fiscal Year 2018

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, 2017 – September 30, 2018. 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.

Demographics Results

Table 1. Gender of Students Screened		
	All Grantees	
	Number of Students	Percent (%)
Male	3,359	48.2
Female	3,566	51.2
Total	6,925	99.4
Missing	39	0.6

- A total of 6,964 students were screened between October 1, 2017 and September 30, 2018 with 48.2% being male and 51.2% being female.

Table 2. Current Grade of Students Screened		
	All Grantees	
	Number of Students	Percent (%)
Kindergarten	886	12.7
1st	1,257	18.0
2nd	1,537	22.1
3rd	693	10.0
4th	624	9.0
5th	599	8.6
6th	708	10.2
7th	350	5.0
8th	149	2.1
9th	28	0.4
10th	27	0.4
11th	13	0.2
12th	16	0.2
Total	6,887	98.9
Missing	77	1.1

- Students from kindergarten through 12th 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 19 years.

Table 3. Race of Students Screened		
	All Grantees	
	Number of Students	Percent (%)
Black	1,175	16.9
White	3,850	55.3
Asian	167	2.4
Hispanic	710	10.2
Arab American	64	0.9
American Indian/Alaskan Native	74	1.1
Native Hawaiian/Pacific Islander	5	0.1
Other	55	0.8
More than One Race	725	10.4
Total	6,825	98.0
Missing	139	2.0

- The students were of various racial and ethnic backgrounds including Arab American, Hispanic and Black.
- More than half of the students were White, 16.9% were Black and 10.4% were Multiracial.

Table 4. Special Health Care Need Status of Students Screened		
	All Grantees	
	Number of Students	Percent (%)
Has Special Health Care Needs	1,715	24.6
No Special Health Care Needs	5,157	74.1
Total	6,872	98.7
Missing	92	1.3

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

Table 5. Insurance Status of Students Screened		
	All Grantees	
	Number of Students	Percent (%)
Medicaid	698	10.0
MI Child	86	1.2
Healthy Kids Dental	2,881	41.4
Other	1,213	17.4
None	1,211	17.4
Unknown	791	11.4
Total	6,880	98.8
Missing	84	1.2

- 10.0% of the students had Medicaid insurance and 41.4% were on Healthy Kids Dental.
- 17.4% had no dental insurance.

Screening Results

Table 6. Untreated Cavity Status of Students Screened

	All Grantees	
	Number of Students	Percent (%)
Untreated Cavities Present	2,467	35.4
No Untreated Cavities	4,476	64.3
Total	6,943	99.7
Missing	21	0.3

- 35.4% of the students had untreated cavities at the time of screening.

Table 7. Caries Experience of Students Screened

	All Grantees	
	Number of Students	Percent (%)
Caries Experience	3,373	48.4
No Caries Experience	3,553	51.0
Total	6,926	99.5
Missing	38	0.5

- Almost half, 48.4%, 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	2,673	38.4
No Sealants Present	4,265	61.2
Total	6,938	99.6
Missing	26	0.4

- 38.4% of the students had at least one sealant present at the time of screening.

Table 9. Urgency of Needed Treatment among Students Screened

	All Grantees	
	Number of Students	Percent (%)
No Obvious Problem	4,401	63.2
Early Dental Care	2,031	29.2
Urgent Care Needed	487	7.0
Total	6,919	99.4
Missing	45	0.6

- 29.2% of students were in need of early dental care due to a small cavity that was not causing pain.
- 7.0% 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	5,447	78.2
Not Referred for Treatment	1,456	20.9
Total	6,903	99.1
Missing	61	0.9

- 78.2% of students were referred for treatment, which could include paperwork with a list of dental referrals. It is recommended that all students be referred to a dental home after being screened.

Table 11. Referral Status by Urgency of Needed Treatment among Students Screened		
	All Grantees	
	Referred for Treatment	
Treatment Urgency	Yes	No
No Obvious Problem	2,936	1,439
Early Dental Care	2,001	15
Urgent Care Needed	483	0

- Of those students referred for dental treatment, 36.7% were in need of early dental care and 8.9% 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	5,344	76.7
1	540	7.8
2	398	5.7
3	218	3.1
4	450	6.5
Total	6,950	99.8
Missing	14	0.2

- More than 75% of the students screened had no decayed or filled first molars.
- 6.5% of the students 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	6,694	96.1
1	103	1.5
2	70	1.0
3	31	0.4
4	28	0.4
Total	6,926	99.5
Missing	38	0.5

- 96.1% of the screened students had no decay or fillings on their second molars.
- 0.4% 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	3,509	50.4
1	435	6.2
2	629	9.0
3	405	5.8
4	1,936	27.8
Total*	6,914	99.3
Missing	50	0.7

*Total number of first molars sealed by all grantees = 10,652

- 48.9% of screened students received at least one sealant on a first molar; 6.2% received one sealant, 9.0% received two sealants, 5.8% received three sealants and 27.8% received sealants on all four first molars.
- In total 10,652 sealants were placed on first molars.

Table 15. Number of Second Molars Sealed per Student Screened

Number of Second Molars	All Grantees	
	Number of Students	Percent (%)
0	6,057	87.0
1	169	2.4
2	197	2.8
3	131	1.9
4	333	4.8
Total*	6,887	98.9
Missing	77	1.1

*Total number of second molars sealed by all grantees = 2,288

- 11.9% of students received at least one sealant placed on a second molar; 2.4% received one sealant, 2.8% received two sealants, 1.9% received three sealants and 4.8% received sealants on all four second molars.
- In total, 2,288 sealants were placed on second molars.

Table 16. Number of Other Teeth Sealed per Student Screened		
Number of Other Teeth	All Grantees	
	Number of Students	Percent (%)
0	6,120	87.9
1	110	1.6
2	102	1.5
3	70	1.0
4	107	1.5
5	76	1.1
6	55	0.8
7	59	0.8
8	223	3.2
Total*	6,922	99.4
Missing	42	0.6

*Total number of other teeth sealed by all grantees = 3,859

- 11.5% of students received a sealant on a tooth other than the first or second molar.
- In total 3,859 sealants were placed on teeth other than a first or second molar.

Table 17. Type of Fluoride Treatment Given to Students Screened		
	All Grantees	
	Number of Students	Percent (%)
Varnish	6,046	86.8
Gel/Foam/Rinse	0	0.0
None	858	12.3
Total	6,904	99.1
Missing	60	0.9

- 12.3% of students did not receive a fluoride treatment of some form at the screening.
- 86.8% of students received a fluoride varnish treatment.