

SEAL! Michigan

Michigan Dental Sealant Program

All Grantees Data Report

2022-2023 School Year
Fiscal Year 2023

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, 2022-September 30, 2023. Data was obtained from child-level forms submitted by grantees to the Michigan Department of Health and Human Services.

Demographics Results

Table 1. Gender of Students Screened		
	All Grantees	
	Number of Students	Percent (%)
Male	4,642	49.5
Female	4,693	50.0
Total	9,335	99.5
Missing	47	0.5

- A total of 9,382 students were screened between October 1, 2022 and September 30, 2023 at 213 sites.
- Half of the students were male (49.5%), and half were female (50.0%).

Table 2. Current Grade of Students Screened		
	All Grantees	
	Number of Students	Percent (%)
Kindergarten	1,663	17.7
1st	1,587	16.9
2nd	1,663	17.7
3rd	1,268	13.5
4th	1,049	11.2
5th	775	8.3
6th	428	4.6
7th	255	2.7
8th	136	1.5
9th	46	0.5
10th	39	0.4
11th	32	0.3
12th	28	0.3
NA	364	3.9
Total	9,375	99.5
Missing	49	0.5

- Students from kindergarten through twelfth grade were screened, the majority coming from kindergarten and second grade.
- The average age of the students was 8 years, and the range was between 3 and 25 years.

Table 3. Race of Students Screened		
	All Grantees	
	Number of Students	Percent (%)
Black	964	10.3
White	5,808	61.9
Asian	149	1.6
Hispanic	722	7.7
Arab American	42	0.5
American Indian/Alaskan Native	110	1.2
Native Hawaiian/Pacific Islander	8	0.1
Other	60	0.6
More than One Race	1,382	14.7
Unknown	75	0.8
Total	9,322	99.4
Missing	62	0.6

- The students were of various racial and ethnic backgrounds including Arab American, Hispanic and Black.
- About 62% of the students were white, 10.3% were Black and 14.7% were multiracial.

Table 4. Special Health Care Need Status of Students Screened		
	All Grantees	
	Number of Students	Percent (%)
Has Special Health Care Needs	2,582	27.5
No Special Health Care Needs	6,721	71.6
Total	9,303	99.2
Missing	79	0.8

- About 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	37	0.4
Private	1,805	19.3
Healthy Kids Dental	5,523	58.9
Other	146	1.6
None	1,674	17.9
Unknown	78	0.8
Total	9,263	98.7
Missing	119	1.3

- Over half of the students were on Healthy Kids Dental insurance, and 19.3% were on private dental insurance.
- About one in five had no dental insurance.

Screening Results

Table 6. Untreated Cavity Status of Students Screened

	All Grantees	
	Number of Students	Percent (%)
Untreated Cavities Present	3,387	36.1
No Untreated Cavities	5,954	63.5
Total	9,341	99.6
Missing	41	0.4

- At the time of the screening, 36.1% of the students had untreated cavities.

Table 7. Caries Experience of Students Screened

	All Grantees	
	Number of Students	Percent (%)
Caries Experience	3,607	38.5
No Caries Experience	5,721	61.0
Total	9,328	99.5
Missing	54	0.5

- More than half of the students screened had no 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	3,536	37.7
No Sealants Present	5,803	61.9
Total	9,339	99.6
Missing	43	0.4

- At the time of the screening, 37.7% 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	5,928	63.2
Early Dental Care	3,001	32.0
Urgent Care Needed	408	4.3
Total	9,337	99.5
Missing	45	0.5

- Almost a third of the students were in need of early dental care.
- Almost 5% of the students were in need of urgent dental care.

Table 10. Referral for Treatment Recommended for Students Screened		
	All Grantees	
	Number of Students	Percent (%)
Referred for Treatment	9,166	97.7
Not Referred for Treatment	135	1.4
Total	9,301	99.1
Missing	81	0.9

- 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 2022-2023 school year, 97.7% of students 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	5,765	130
Early Dental Care	2,976	5
Urgent Care Needed	406	0

- Of those students referred for dental treatment, 32.5% were in need of early dental care and 4.4% 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	7,844	83.6
1	571	6.1
2	403	4.3
3	180	1.9
4	353	3.8
Total	9,351	99.7
Missing	31	0.3

- More than 80% of the students screened had no decayed or filled first molars.
- Of the students screened, 3.8% 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	9,142	97.4
1	78	0.8
2	60	0.6
3	20	0.2
4	23	0.3
Total	9,323	99.4
Missing	59	0.6

- Of the students screened, 97.4% had no decay or fillings on their second molars.
- Only 23 students 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	5,173	55.1
1	576	6.1
2	794	8.5
3	495	5.3
4	2,303	24.6
Total*	9,341	99.6
Missing	41	0.4

- Almost half of screened students received at least one sealant on a first molar; 6.1% received one sealant, 8.5% received two sealants, 5.3% received three sealants and 24.6% received sealants on all four first molars.
- In total, 12,861 sealants were placed on first molars.

*Total number of first molars sealed by all grantees: 12,861

Table 15. Number of Second Molars Sealed per Student Screened

Number of Second Molars	All Grantees	
	Number of Students	Percent (%)
0	8,651	92.2
1	149	1.6
2	169	1.8
3	110	1.2
4	260	2.8
Total*	9,339	99.5
Missing	43	0.5

- There were 688 students who received at least one sealant on a second molar; 1.6% received one sealant, 1.8% received two sealants, 1.2% received three sealants and 2.8% received sealants on all four second molars.
- In total, 1,857 sealants were placed on second molars.

*Total number of second molars sealed by all grantees: 1,857

Table 16. Number of Other Teeth Sealed per Student Screened		
Number of Other Teeth	All Grantees	
	Number of Students	Percent (%)
0	7,427	79.2
1	317	3.4
2	298	3.2
3	195	2.1
4	194	2.1
5	130	1.4
6	150	1.6
7	128	1.4
8	500	5.3
Total*	9,339	99.5
Missing	43	0.5

*Total number of other teeth sealed by all grantees: 8,720

- One in five (20.8%) students received a sealant on a tooth other than the first or second molar.
- In total, 8,720 sealants were placed on teeth other than a first or second molar.

Table 17. Number of Sealed Primary Teeth per Student Screened		
Number of Primary Teeth	All Grantees	
	Number of Students	Percent (%)
0	7,385	78.7
1	215	2.3
2	230	2.5
3	133	1.4
4	363	3.9
5	101	1.1
6	197	2.1
7	133	1.4
8	575	6.1
Total*	9,332	99.5
Missing	50	0.5

*Total number of primary teeth sealed by all grantees: 9,744

- One in five (20.8%) students received a sealant on their primary teeth.
- In total, 9,744 sealants were placed on teeth other than a first or second molar.

Table 18. Type of Fluoride Treatment Given to Students Screened

	All Grantees	
	Number of Students	Percent (%)
Varnish	8,107	86.4
Gel/Foam/Rinse	0	0.0
None	1,229	13.1
Total	9,336	99.5
Missing	46	0.5

- Fluoridation is recommended at these screenings; 86.4% of students received a fluoride varnish treatment.

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