

# North Dakota Oral Health Program Evaluation Data

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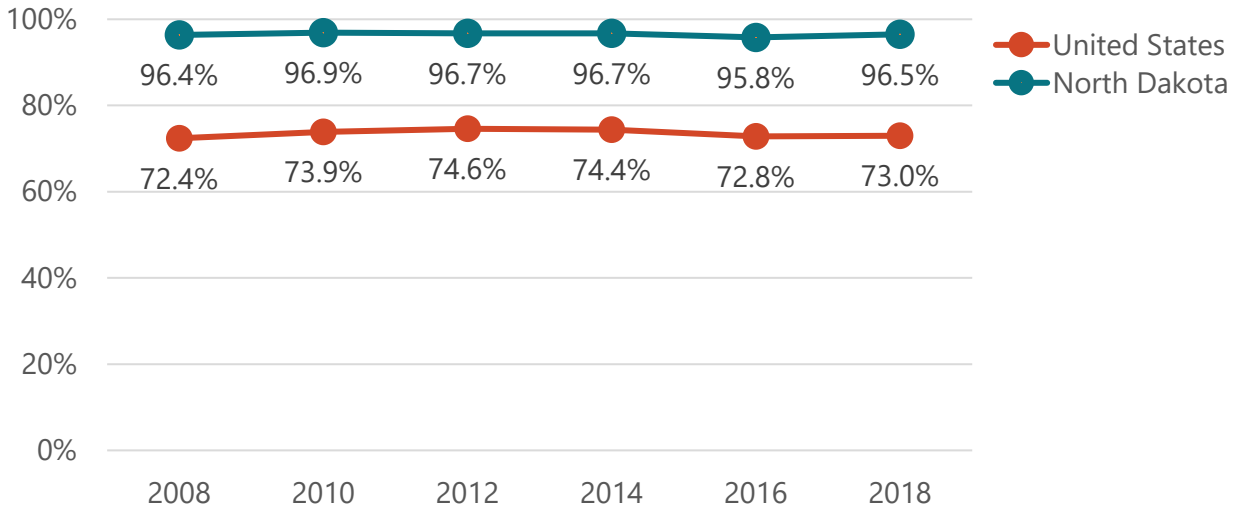
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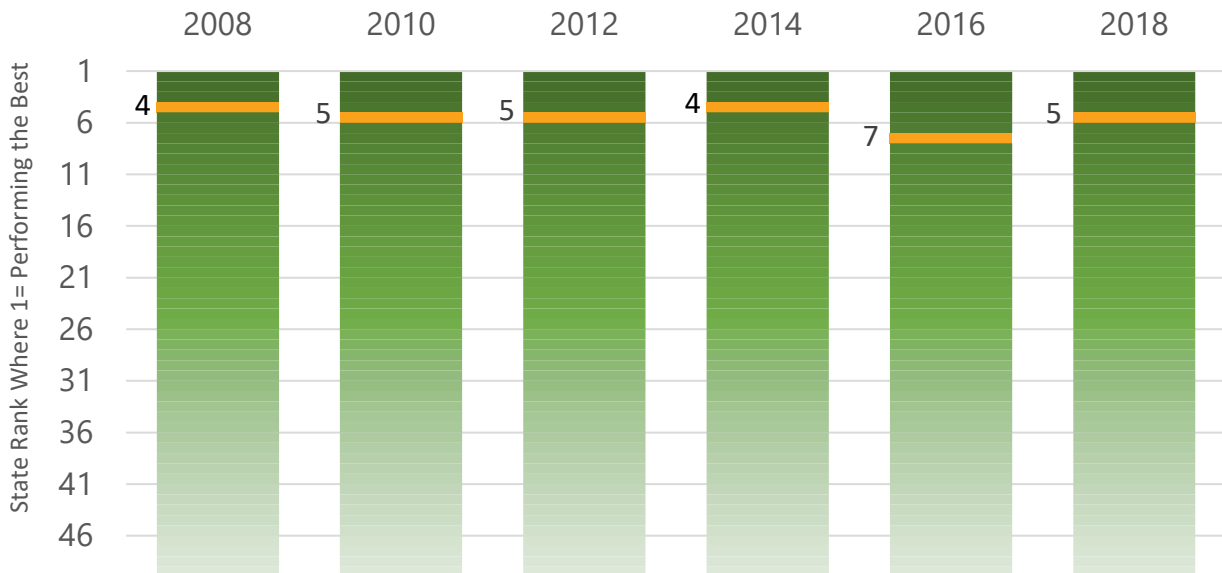
## Community Water Fluoridation

Figure 1. Percentage of the Population Served by Community Water Systems Receiving Fluoridated Water



Data source: Centers for Disease Control and Prevention

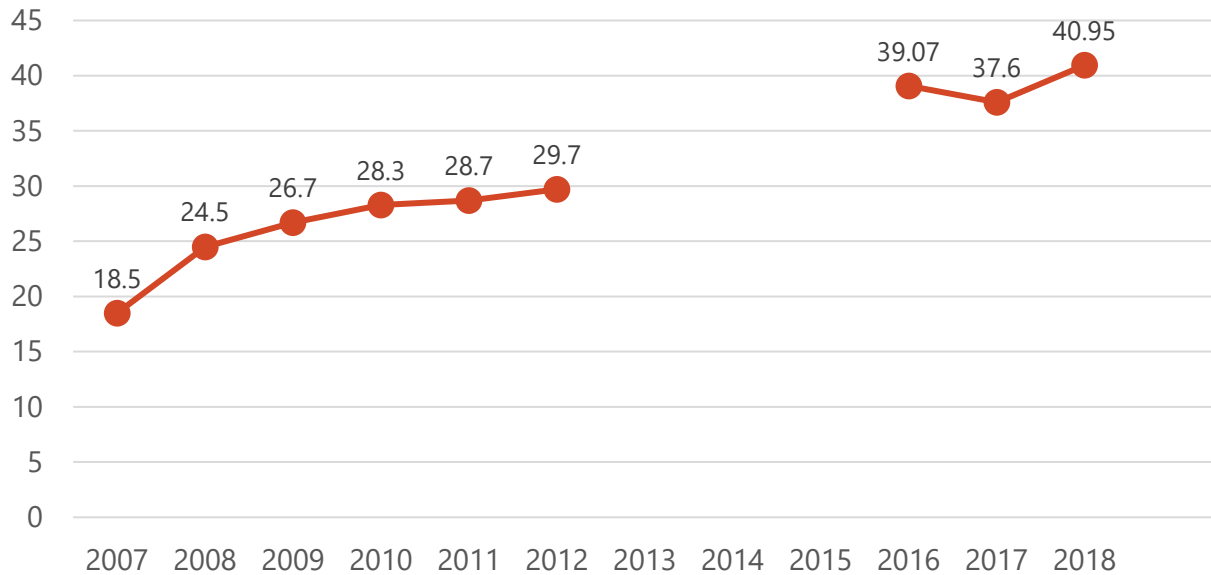
Figure 2. North Dakota's National Rank for the Percentage of the State's Population Served by Community Water Systems Receiving Fluoridated Water



Data source: Centers for Disease Control and Prevention

## Dental Services in Federally Qualified Health Centers

Figure 3. Proportion of the Federally Qualified Health Center Patients who Receive Oral Health Services Each Year, North Dakota



Data source: Uniform Data Set

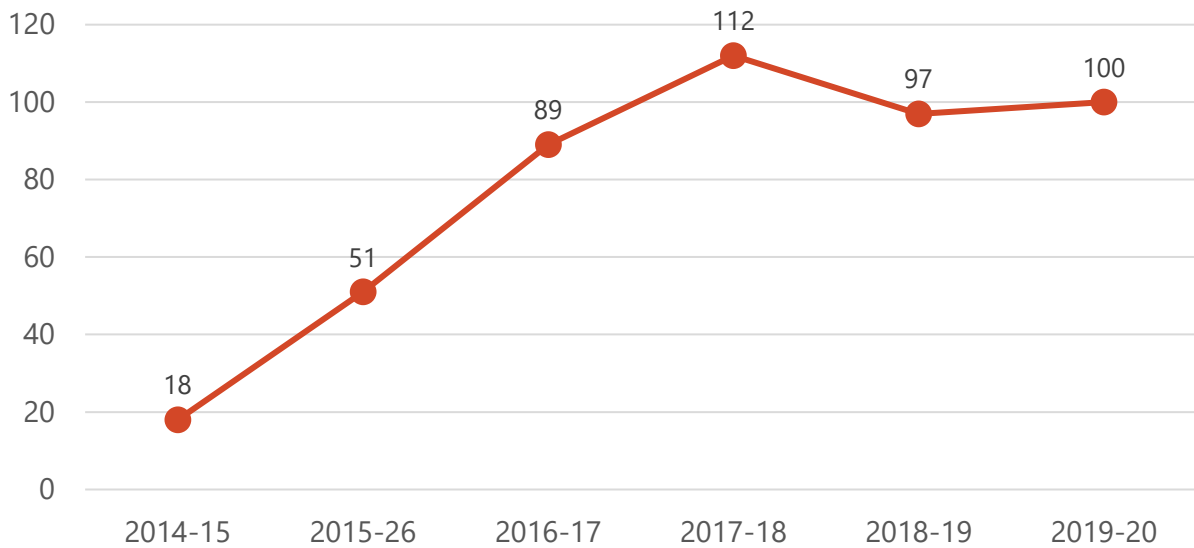
Table 1. Dental Services Provided by Dental Students Completing a Clinical Rotation at one North Dakota Federally Qualified Health Center

	School	Number of Students	Restorative	Exams	Preventive	Endo	Extractions	Number of MA Patients	MA \$ Billed
2018	MN	2	75	14	13	3	32	*	*
	Iowa	1	53	8	8	0	17	*	*
2019	MN	2	141	22	23	2	23	157	\$26,266
	Iowa	2	217	64	39	1	45	237	\$34,769

\* Specific data point not collected for that year.

## All North Dakota School-Based Dental Sealant Programs

Figure 4. Total Number of North Dakota Schools Participating in any School-based Sealant Program



Data source: SEALIND and School-Based Sealant Programs

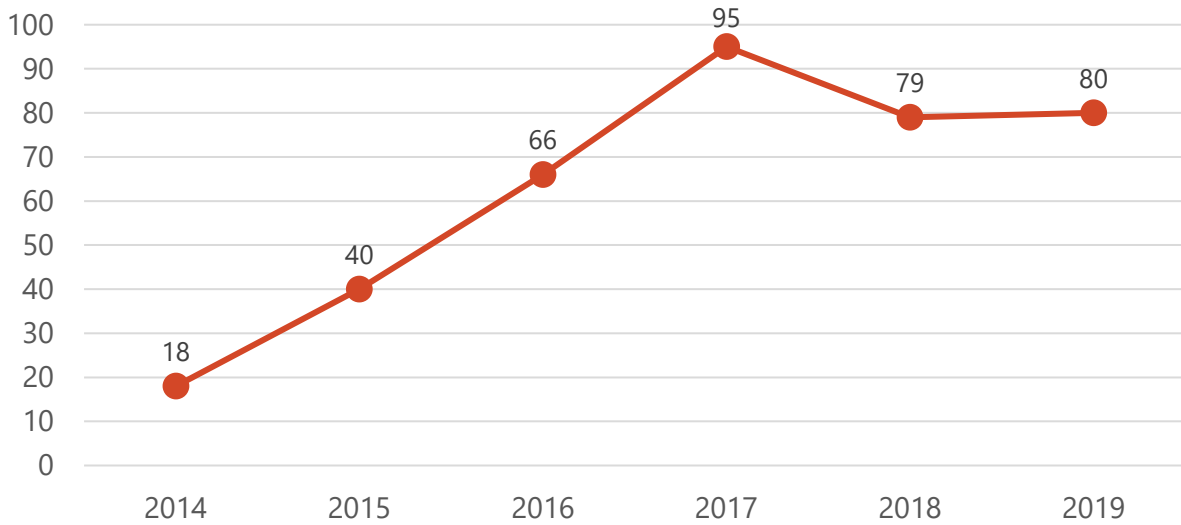
Table 2. Number of North Dakota Schools Participating in School-based Sealant Programs by Program Provider and Year

		2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
SEALIND	Private practice providers	0	0	12	49	32	37
	Community Health Centers*	0	8	13	17	17	24
	ND Department of Health Oral Health Program, Public Health Hygienist	18	32	41	29	30	19
Ronald McDonald Care Mobile		0	12	24	18	18	20
<b>TOTAL Schools</b>		<b>18</b>	<b>51</b>	<b>89</b>	<b>112</b>	<b>97</b>	<b>100</b>

\* This total includes FQHCs, and tribal health services provided by Spirit Lake Health Center

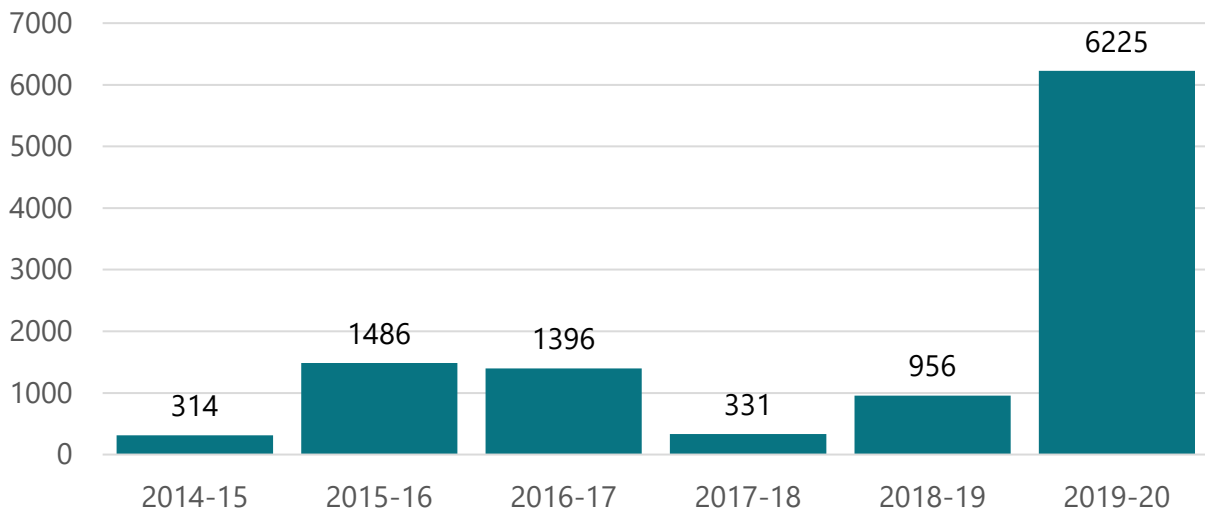
## SEAL!ND: All Schools Served by One School-Based Dental Sealant Program

Figure 5. "Number of Students that participated in SEAL!ND and had a dental screen [Qualifying and non-qualifying schools]"



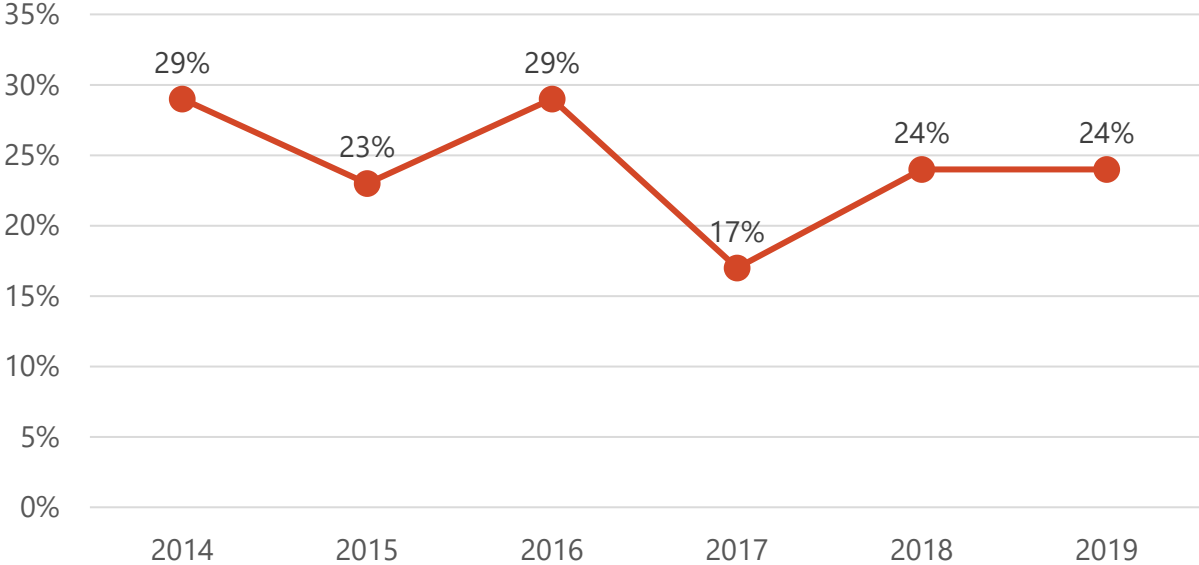
Data source: North Dakota Board of Dental Examiners, licensure data

Figure 6. Number of New Dental Sealants Placed for Students that Participated in the SEAL!ND Program from either a Qualifying or Non-Qualifying School



Data source: North Dakota Board of Dental Examiners, licensure data

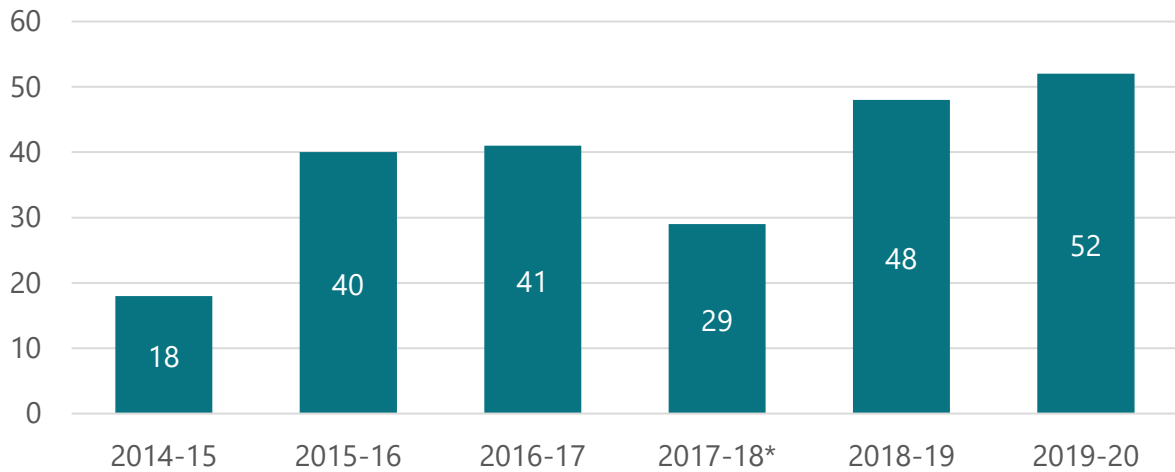
Figure 7. Percentage of Students that Participated in the SEAL!ND Program from either a Qualifying or Non-Qualifying School who were Indicated for Follow-up Care (Early or Urgent Dental Care)



Data source: North Dakota Board of Dental Examiners, licensure data

## SEAL!ND: Schools Qualifying for Dental Services Based on Need

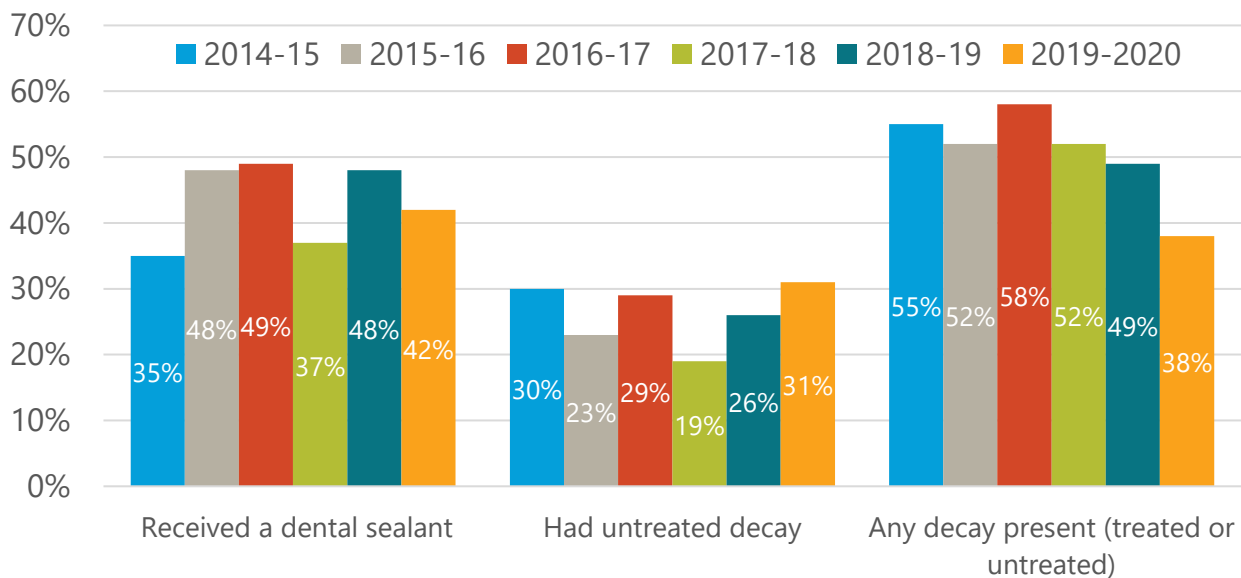
Figure 8. Number of Schools Participating in SEAL!ND that Qualified for Services Based on the Percentage of Students on the Free and Reduced-fee School Lunch Program



Data source: North Dakota Board of Dental Examiners, licensure data

\*Data note: The visual decline in participation in 2017-18 is an error in reporting and not a true decline in service provision. Data for 2017-18 were only available for schools served by the PHH and did not include

Figure 9. Oral Health Need and Services Provided for Students in Participating, Qualifying North Dakota Schools



Data source: North Dakota Department of Health Oral Health Program, SEAL!ND



## Medical Dental Integration in Family Medical Center, North Dakota

Table 3. Patients Seen by the Public Health Hygienist at the University of North Dakota Center for Family Medicine

	Asthma clinic monthly average		Main clinic monthly average		Total monthly average	
	Year one	Year two	Year one	Year two	Year one	Year two
Referred to the PHH	*	21	*	30	*	51
Refused screening	*	2	*	2	*	4
Screened by the PHH	20	19	43	28	47	47
Fluoride varnish applied	10	10	19	14	20	24
Brochure given	*	9	26	19	*	29
Dental education	*	18	41	26	*	44
Given dental supplies	*	13	37	24	*	36
Refused screening	*	2	*	2	*	4
Referred to dentist	2	2	19	15	19	17
Sought treatment	1	1	4	1	4	2

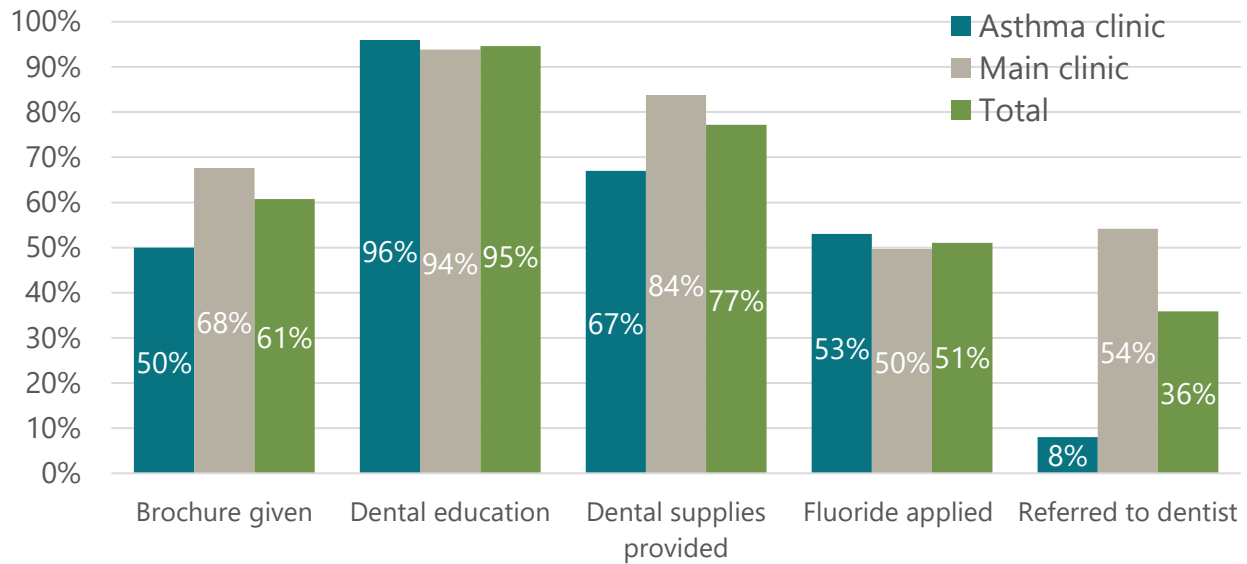
Notes: Year one asthma clinic data were from July 2019 – August 2019 (2 months).  
Year one main clinic data were from November 2018 – August 2019 (10 months).  
Year two data for both the main clinic and the asthma clinic were from September 2019 – March 11, 2020, (6.35 months).  
\* No year one data available.

Table 4. Patients Seen by the Public Health Hygienist at the University of North Dakota Center for Family Medicine

09/01/2019 – 03/11/2020*	Asthma Clinic	Main Clinic	Total
Referred to the PHH	131	190	321
Refused screening	12	11	23
Screened by the PHH	119	179	298
Fluoride varnish applied	63	89	152
Brochure given	60	121	181
Dental education	114	168	282
Given dental supplies	80	150	230
Refused screening	12	11	23
Referred to dentist	10	97	107
Sought treatment	5	8	13

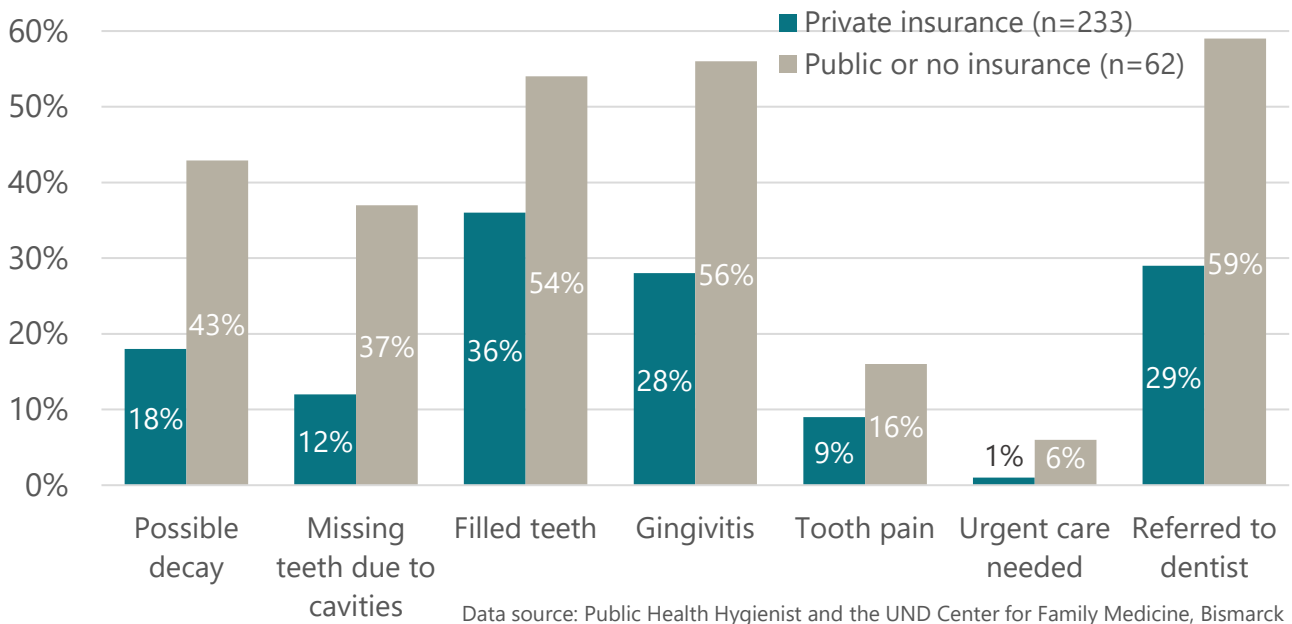
\*Services stopped in March in response to the global health pandemic

Figure 10. Percent of Patients Who Received Dental Services and Oral Health Education by Clinic Type, Sept. 2019 - March 2020



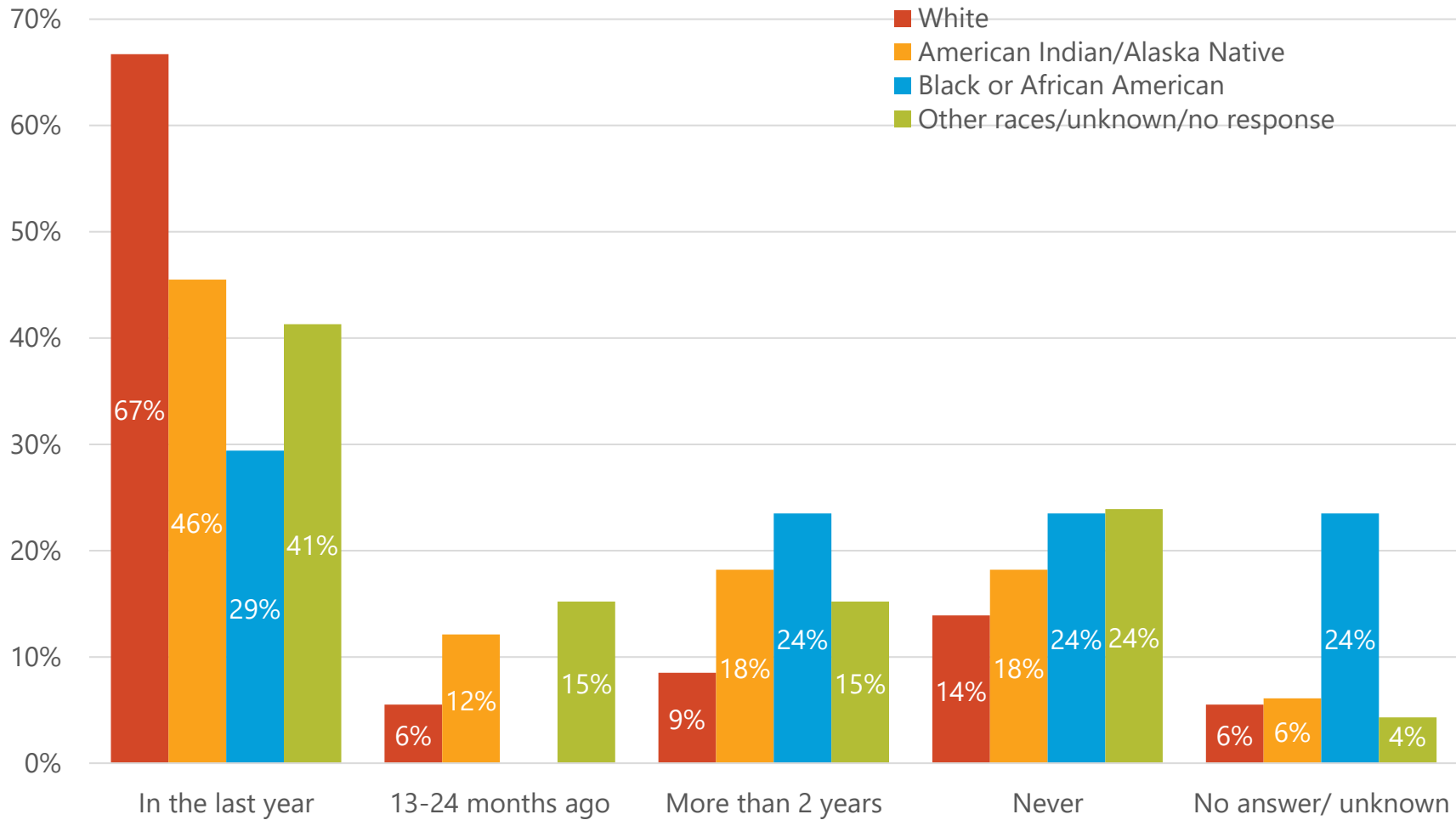
Data Source: Public Health Hygienist and the UND Center for Family Medicine, Bismarck

Figure 11. Percent of Patients with Dental Conditions and Care Needs by Insurance Status: Sept. 2019 - March 2020



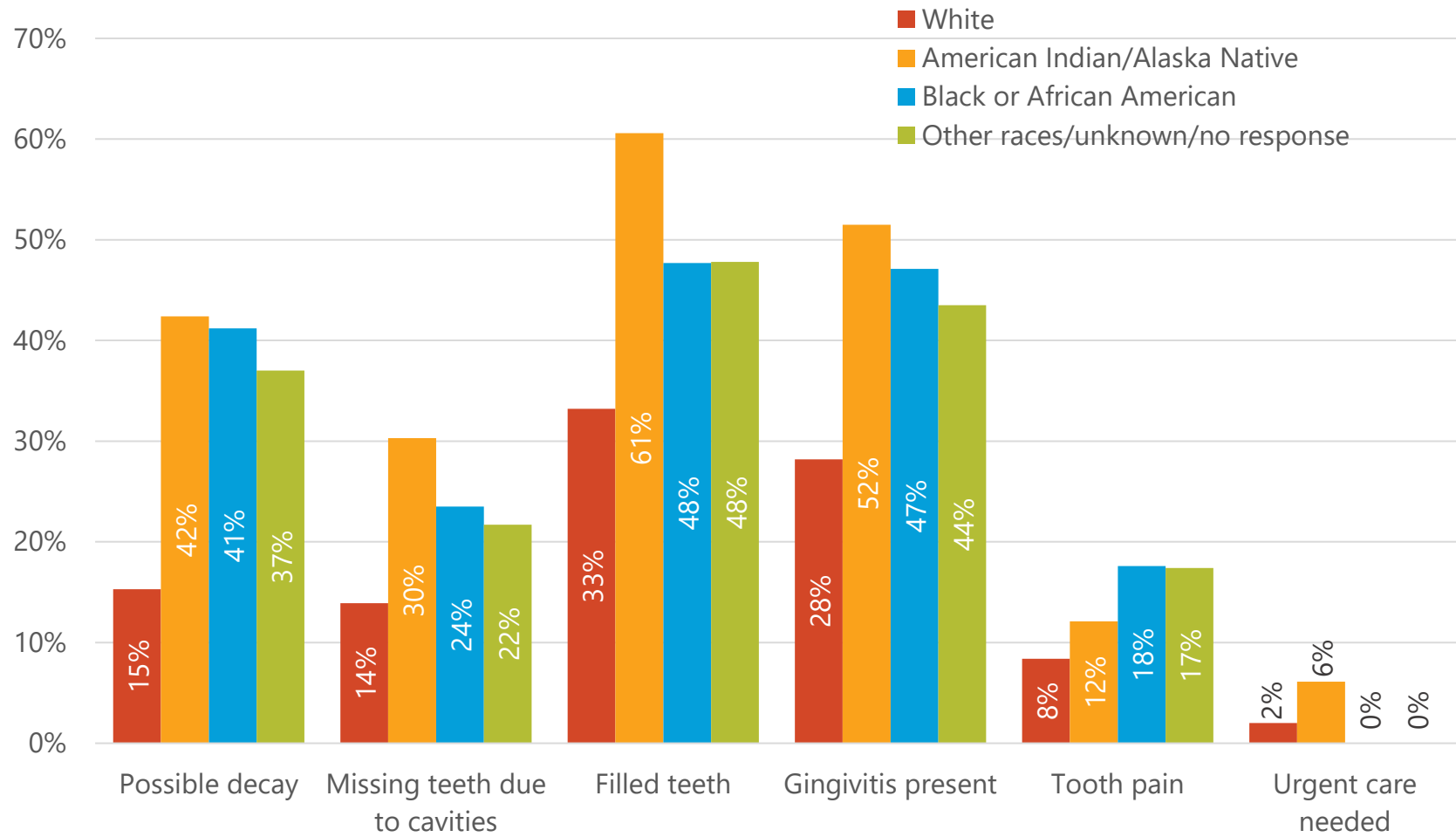
Data source: Public Health Hygienist and the UND Center for Family Medicine, Bismarck

Figure 12. Percent of Patients Seen in one Family Medical Center by the Public Health Hygienists who had had a Dental Visit by Race: Sept. 2019 - March 2020 (N=298)



Data source: Public Health Hygienist and the UND Center for Family Medicine, Bismarck

Figure 13. Percent of Patients Seen in one Family Medical Center by the Public Health Hygienists with Dental Conditions and Care Needs by Race: Sept. 2019 - March 2020 (N=298)



Data source: Public Health Hygienist and the UND Center for Family Medicine, Bismarck