

# **North Carolina Kindergarten Oral Health Status**

**2023 - 2024  
Regional Gender  
Summary**



**NC DEPARTMENT OF  
HEALTH AND  
HUMAN SERVICES**  
Division of Public Health  
Oral Health Section

## North Carolina Calibrated Dental Screening Data

In 2015-16 OHS transitioned to a regional model for delivering public health hygiene services. As a result, OHS collaborates with the Association of State and Territorial Dental Directors and the Division of Public Health, State Center for Health Statistics to select a random sample of elementary schools to reflect both regional and statewide kindergarten assessment data. These charts contain the following pieces of dental health information.

- # Screened: The number of students screened.
- N: The number of students with condition.
- Wt. Pct.: The weighted percentage of students with condition.
- 95% LCL: The lower 95% confidence limit for the weighted percent.
- 95% UCL: The upper 95% confidence limit for the weighted percent.
- Decay experience: Children with treated or untreated decay.
- No Decay: Determined as children that have never had a cavity or a filling.
- Dental Sealants: Children who have at least one sealant on a permanent molar tooth.
- Treated Decay: Determined by the presence of any type of filling or a tooth that is missing because it was extracted as a result of tooth decay.
- Untreated Decay: Children with untreated tooth decay.
- Urgent Dental Care: An urgent need for dental care because of signs or symptoms that include pain, infection or swelling.

Data for groups of four or smaller are recorded as \*\*\*\* in these reports since the sample size is so small. However, the data for these groups are included in the total school, county, region and state level data. Also, rates on counts less than 20 may be statistically unreliable and should be interpreted with caution.

For reports containing race ethnicity and gender data, the following definitions apply:

- Multiracial - Self-designated into two or more racial groups
- Unknown - either declined to declare or self-selected

Disclaimers:

- Methodology in this report includes weights, which differs from previous years' reports.
- Since the enactment of the NC Parents' Bill of Rights (S.L. 2023-106) in 2023, some schools require active consent, some require passive consent, and some do not participate in screenings. In the schools that use active consent, the number of oral screenings conducted is dependent on the consent response rates. As such, schools that require active consent and those that do not participate may result in an overall lower number of screenings conducted across North Carolina.

**Oral Health Status - Regional Gender Results**  
**Kindergarten 2023-2024**  
**Decay, No Decay, and Sealants**

Summary by Gender			Decay Experience				No Decay				Dental Sealants			
			N	Wt. Pct	95% LCL	95% UCL	N	Wt. Pct	95% LCL	95% UCL	N	Wt. Pct	95% LCL	95% UCL
Region	Gender	# Screened												
Region 01	Female	294	112	38.7	31.2	46.2	182	61.3	53.8	68.8	****	****	****	****
	Male	307	143	45.8	36.6	55.0	164	54.2	45.0	63.4	****	****	****	****
	~Total	601	255	42.3	35.3	49.2	346	57.7	50.8	64.7	6	1.0	0.0	2.4
Region 02	Female	381	150	43.0	34.3	51.7	231	57.0	48.3	65.7	****	****	****	****
	Male	438	187	46.5	38.7	54.2	251	53.5	45.8	61.3	****	****	****	****
	~Total	819	337	44.9	37.1	52.6	482	55.1	47.4	62.9	6	0.9	0.0	1.9
Region 03	Female	429	172	43.5	31.8	55.1	257	56.5	44.9	68.2	21	4.6	2.4	6.9
	Male	499	190	40.6	30.4	50.8	309	59.4	49.2	69.6	22	4.0	1.7	6.4
	~Total	928	362	41.9	31.5	52.3	566	58.1	47.7	68.5	43	4.3	2.2	6.4
Region 04	Female	293	100	31.4	19.5	43.2	193	68.6	56.8	80.5	****	****	****	****
	Male	276	93	36.4	22.1	50.6	183	63.6	49.4	77.9	****	****	****	****
	~Total	569	193	33.8	22.8	44.9	376	66.2	55.1	77.2	****	****	****	****
Region 05	Female	403	152	37.3	28.9	45.7	251	62.7	54.3	71.1	****	****	****	****
	Male	470	155	33.4	27.4	39.4	315	66.6	60.6	72.6	8	1.5	0.4	2.7
	~Total	873	307	35.3	29.1	41.4	566	64.7	58.6	70.9	12	1.2	0.5	1.9
Region 06	Female	284	140	47.7	38.8	56.6	144	52.3	43.4	61.2	****	****	****	****
	Male	255	129	49.9	41.0	58.8	126	50.1	41.2	59.0	****	****	****	****
	~Total	539	269	48.7	41.9	55.5	270	51.3	44.5	58.1	****	****	****	****
Region 07	Female	497	176	38.0	31.8	44.2	321	62.0	55.8	68.2	****	****	****	****
	Male	511	204	44.3	36.2	52.4	307	55.7	47.6	63.8	****	****	****	****
	~Total	1,008	380	41.3	35.0	47.5	628	58.7	52.5	65.0	****	****	****	****
Region 08	Female	388	154	37.9	23.6	52.2	234	62.1	47.8	76.4	****	****	****	****
	Male	382	151	38.0	22.9	53.1	231	62.0	46.9	77.1	****	****	****	****
	~Total	770	305	37.9	23.6	52.3	465	62.1	47.7	76.4	8	0.9	0.0	1.8
Region 09	Female	428	130	33.5	22.4	44.6	298	66.5	55.4	77.6	9	1.9	0.3	3.4
	Male	421	157	36.2	29.9	42.6	264	63.8	57.4	70.1	14	2.6	0.0	6.3
	~Total	849	287	34.8	28.8	40.8	562	65.2	59.2	71.2	23	2.2	0.0	4.5

(Continued)

**Oral Health Status - Regional Gender Results**  
**Kindergarten 2023-2024**  
**Decay, No Decay, and Sealants**

Summary by Gender			Decay Experience				No Decay				Dental Sealants			
			N	Wt. Pct	95% LCL	95% UCL	N	Wt. Pct	95% LCL	95% UCL	N	Wt. Pct	95% LCL	95% UCL
Region	Gender	# Screened												
Region 10	Female	506	218	44.9	37.9	52.0	288	55.1	48.0	62.1	6	2.0	0.0	4.6
	Male	541	236	47.4	38.7	56.0	305	52.6	44.0	61.3	****	****	****	****
	~Total	1,047	454	46.2	38.7	53.6	593	53.8	46.4	61.3	9	1.3	0.0	2.5
~Statewide	Female	3,903	1,504	38.0	34.5	41.6	2,399	62.0	58.4	65.5	55	1.3	0.8	1.8
	Male	4,100	1,645	40.1	36.2	43.9	2,455	59.9	56.1	63.8	58	1.2	0.7	1.6
	~Total	8,003	3,149	39.1	35.8	42.4	4,854	60.9	57.6	64.2	113	1.2	0.9	1.6

**Oral Health Status - Statewide Gender Results  
Kindergarten 2023-2024  
Treated Decay, Untreated Decay, Urgent Dental Care**

Summary by Gender			Treated Decay				Untreated Decay				Urgent Dental Care			
			N	Wt. Pct	95% LCL	95% UCL	N	Wt. Pct	95% LCL	95% UCL	N	Wt. Pct	95% LCL	95% UCL
Region	Gender	# Screened												
Region 01	Female	294	66	22.7	17.3	28.0	54	18.7	13.2	24.3	7	2.6	1.1	4.0
	Male	307	78	24.1	17.6	30.5	77	25.5	19.4	31.7	5	1.3	0.0	3.0
	~Total	601	144	23.4	19.3	27.5	131	22.2	16.7	27.7	12	1.9	0.9	2.9
Region 02	Female	381	97	26.3	21.0	31.7	74	22.6	15.8	29.4	6	1.3	0.3	2.2
	Male	438	97	24.0	17.8	30.3	106	26.4	20.1	32.6	11	2.6	0.8	4.5
	~Total	819	194	25.1	20.2	30.0	180	24.6	18.5	30.8	17	2.0	1.0	3.0
Region 03	Female	429	117	28.7	19.4	38.0	68	18.8	12.1	25.5	16	4.1	1.6	6.6
	Male	499	132	29.3	19.5	39.2	81	18.1	12.0	24.1	9	1.7	0.2	3.2
	~Total	928	249	29.0	19.8	38.2	149	18.4	12.3	24.5	25	2.8	1.3	4.4
Region 04	Female	293	65	20.5	12.2	28.8	44	13.6	7.5	19.7	7	2.4	0.0	5.1
	Male	276	55	21.1	10.6	31.5	41	16.1	8.3	24.0	5	1.6	0.0	4.3
	~Total	569	120	20.8	12.8	28.7	85	14.8	9.0	20.7	12	2.0	0.0	4.5
Region 05	Female	403	92	23.2	15.2	31.3	70	16.2	11.5	21.0	9	2.1	0.0	4.4
	Male	470	100	21.2	15.7	26.7	65	14.2	10.7	17.8	9	1.9	0.8	3.1
	~Total	873	192	22.2	16.1	28.3	135	15.2	12.2	18.1	18	2.0	0.7	3.3
Region 06	Female	284	84	26.7	20.2	33.2	65	24.4	16.9	31.9	11	4.3	1.6	7.0
	Male	255	77	26.8	19.7	34.0	57	24.3	16.7	32.0	18	9.2	2.3	16.1
	~Total	539	161	26.8	21.2	32.3	122	24.4	18.4	30.3	29	6.5	3.2	9.9
Region 07	Female	497	110	21.9	18.3	25.6	86	20.3	14.0	26.6	16	4.0	0.3	7.8
	Male	511	105	21.0	16.0	25.9	107	24.8	18.0	31.6	22	5.9	1.7	10.1
	~Total	1,008	215	21.4	18.6	24.3	193	22.6	16.7	28.6	38	5.0	1.3	8.7
Region 08	Female	388	93	22.6	15.7	29.4	64	15.9	7.0	24.7	11	2.9	0.3	5.4
	Male	382	95	23.7	14.7	32.7	64	16.2	7.8	24.5	10	2.2	0.0	4.3
	~Total	770	188	23.1	15.7	30.5	128	16.0	7.5	24.5	21	2.5	0.7	4.3
Region 09	Female	428	71	20.8	11.5	30.0	75	19.5	12.3	26.7	7	2.5	0.0	6.1
	Male	421	69	13.5	10.7	16.4	103	24.2	16.9	31.5	10	2.8	0.0	5.8
	~Total	849	140	17.3	12.5	22.0	178	21.8	16.8	26.8	17	2.6	0.0	5.5

(Continued)

**Oral Health Status - Statewide Gender Results  
Kindergarten 2023-2024  
Treated Decay, Untreated Decay, Urgent Dental Care**

Summary by Gender			Treated Decay				Untreated Decay				Urgent Dental Care			
			N	Wt. Pct	95% LCL	95% UCL	N	Wt. Pct	95% LCL	95% UCL	N	Wt. Pct	95% LCL	95% UCL
Region	Gender	# Screened												
Region 10	Female	506	117	22.8	16.3	29.3	123	26.5	20.5	32.5	16	3.7	0.4	6.9
	Male	541	106	21.7	15.1	28.4	151	29.3	20.8	37.8	24	4.2	1.4	7.1
	~Total	1,047	223	22.3	16.6	27.9	274	27.9	20.8	35.0	40	4.0	1.2	6.7
~Statewide	Female	3,903	912	23.1	20.6	25.6	723	18.3	16.1	20.4	106	2.9	2.0	3.8
	Male	4,100	914	22.5	19.7	25.3	852	20.0	17.7	22.3	123	3.0	2.1	3.8
	~Total	8,003	1,826	22.8	20.5	25.1	1,575	19.1	17.2	21.1	229	2.9	2.2	3.7



**NC DEPARTMENT OF  
HEALTH AND  
HUMAN SERVICES**  
Division of Public Health  
Oral Health Section