

# North Carolina Oral Health Section

## Kindergarten and Fifth Grade Oral Health Status

### County Level Summary

2012-2013



State of North Carolina, Pat McCrory, Governor  
Department of Health and Human Services, Aldona Z. Wos, M.D., Secretary  
Division of Public Health  
Oral Health Section  
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## North Carolina Calibrated Dental Screening Data

During 1995-1996, the Division of Public Health, Dental Health Section, staff developed and pilot tested an assessment technique which modified and standardized their dental screenings for kindergarten and fifth grade schoolchildren. The aim of the project was to develop a simple measurement of decayed and filled teeth to be used by public health dental hygienists to give an indication of the level of dental disease within each county. Results of the pilot tests showed the technique to be reliable, valid and practical. This standardization of data collection increased the comparability and accuracy, and therefore the usefulness, of the data at the state and local level for program planning, evaluation and accountability.

Historically, most counties were able to conduct the technique annually. However, due to budget reductions, some areas of the state do not have an adequate number of public health dental hygienists to be able to gather the data every year. Some of the larger counties which have locally funded dental hygienists do not regularly conduct the technique due to the large number of children in their areas and other pressing priorities. Attempts to address these issues continue.

These charts contain the following pieces of dental health information. Lower case letters, such as fmt, refer to primary or baby teeth, and upper case letters, such as FMT, refer to permanent teeth:

- "# Screened" is the number of students screened
- "% Screened" is the number of students screened divided by the enrollment for the first 30 days of school as reported by the Department of Public Instruction
- "fmt", "FMT" (number of filled and missing teeth); "dt", "DT" (number of decayed teeth); "dmft", "DMFT" (number of decayed, missing, and filled teeth) are averages for each child in the school, county, or state
- "% dmft = 0", "%DMFT = 0" is the percentage of children with no decayed, missing, or filled teeth, that is they have never had a cavity or filling in a primary tooth (for kindergarten) or permanent tooth (for fifth grade) students
- "% dt", "% DT" is the percentage of children with untreated dental decay
- "% Sealants" is the percent of fifth grade students with preventive dental sealants

Data for groups of 4 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, and state level data. Also, rates on counts less than 20 may be statistically unreliable and should be interpreted with caution.

Keep in mind that, no matter how well calibrated the dental public health staff are, this is still a screening performed by a large number of people and that a difference of a fraction of a tooth surface does not demonstrate a significant difference between counties.

# County Level Oral Health Status\*

2012-2013

Total Counties Assessed / Reported: 72

## Counties Not Assessed / Reported:

County Name	Kindergarten		Grade 5	
	Total Enrollment	Percent of State Enrollment	Total Enrollment	Percent of State Enrollment
Beaufort	584	0.48%	576	0.50%
Bertie	223	0.18%	217	0.19%
Buncombe	2531	2.09%	2348	2.02%
Burke	993	0.82%	981	0.84%
Currituck	278	0.23%	301	0.26%
Dare	383	0.32%	366	0.31%
Davie	483	0.40%	527	0.45%
Edgecombe	606	0.50%	534	0.46%
Greene	261	0.22%	228	0.20%
Henderson	1112	0.92%	1076	0.93%
Hertford	236	0.19%	231	0.20%
Hyde	56	0.05%	47	0.04%
Iredell	2181	1.80%	2276	1.96%
Lenoir	777	0.64%	712	0.61%
Martin	313	0.26%	276	0.24%
Montgomery	339	0.28%	335	0.29%
Moore	1076	0.89%	989	0.85%
Nash	1441	1.19%	1383	1.19%
New Hanover	2234	1.84%	1897	1.63%
Orange	1436	1.18%	1580	1.36%
Pasquotank	532	0.44%	430	0.37%
Pitt	1845	1.52%	1811	1.56%
Tyrrell	59	0.05%	34	0.03%
Wake	12626	10.41%	12305	10.58%
Washington	198	0.16%	138	0.12%
Wayne	1581	1.30%	1506	1.30%
Wilson	1129	0.93%	1062	0.91%
Yadkin	430	0.35%	407	0.35%
<b>Total</b>	35943	29.63%	34573	29.73%

The Total Enrollment for Counties Not Reported/Assessed is included in the denominator for % Screened on the State Totals line.

# County Level Oral Health Status\*

## 2012-2013

County Name	Kindergarten							Grade 5							
	Screened		%dmft					Screened		%DMFT					
	#	%	fmt	dt	dmft	=0/0	%dt	#	%	FMT	DT	DMFT	=0/0	%DT	%Sealants
Alamance	1811	97%	0.89	0.29	1.17	67%	11%	1819	99%	0.33	0.02	0.35	79%	1%	31%
Alexander	414	93%	1.08	0.35	1.43	66%	12%	377	95%	0.30	0.04	0.34	84%	2%	48%
Alleghany	105	97%	1.34	0.67	2.01	58%	17%	102	98%	0.27	0.07	0.34	81%	5%	67%
Anson	280	90%	0.57	0.77	1.34	62%	28%	271	93%	0.26	0.04	0.30	80%	3%	44%
Ashe	261	92%	1.22	0.72	1.93	52%	27%	228	92%	0.23	0.05	0.28	83%	4%	82%
Avery	155	87%	1.30	0.44	1.74	58%	18%	153	91%	0.32	0.01	0.33	83%	1%	38%
Bladen	369	91%	1.60	0.44	2.04	59%	15%	367	95%	0.36	0.02	0.38	80%	2%	20%
Brunswick	970	91%	0.50	0.31	0.81	78%	11%	953	87%	0.16	0.03	0.19	91%	1%	19%
Cabarrus	2522	88%	0.81	0.25	1.06	73%	11%	0							
Caldwell	921	95%	0.86	0.25	1.11	72%	9%	902	95%	0.22	0.03	0.26	89%	1%	51%
Camden	142	99%	0.73	0.35	1.07	66%	13%	150	94%	0.29	0.02	0.31	81%	1%	43%
Carteret	917	100%	0.89	0.31	1.20	68%	12%	862	100%	0.29	0.02	0.31	84%	1%	42%
Caswell	243	100%	1.09	0.44	1.53	60%	18%	255	100%	0.37	0.06	0.43	76%	4%	39%
Catawba	1845	99%	1.26	0.27	1.54	67%	11%	1906	99%	0.33	0.03	0.36	81%	2%	62%
Chatham	500	70%	1.16	0.29	1.45	67%	12%	488	69%	0.33	0.02	0.35	83%	2%	51%
Cherokee	225	86%	1.73	0.64	2.37	55%	21%	234	83%	0.57	0.02	0.59	75%	1%	50%
Chowan	165	86%	0.96	0.49	1.45	65%	21%	169	92%	0.36	0.05	0.41	78%	5%	38%
Clay	88	96%	2.41	0.67	3.08	48%	26%	111	93%	0.38	0.05	0.42	81%	2%	47%
Cleveland	1089	93%	0.80	0.20	1.00	72%	9%	1122	93%	0.24	0.01	0.25	88%	1%	36%
Columbus	686	89%	1.21	0.64	1.85	64%	15%	638	86%	0.29	0.05	0.34	84%	3%	12%
Craven	1286	94%	1.11	0.23	1.34	66%	11%	1039	94%	0.49	0.02	0.51	76%	2%	41%
Cumberland	3058	68%	1.35	0.36	1.72	62%	15%	2758	71%	0.66	0.04	0.70	70%	3%	46%
Davidson	794	41%	1.26	0.75	2.02	54%	25%	449	22%	0.73	0.15	0.88	61%	9%	45%
Duplin	810	94%	2.41	0.52	2.93	47%	16%	690	96%	0.60	0.07	0.68	68%	4%	50%
Durham	2091	64%	4.84	0.28	5.12	8%	12%	1735	60%	2.06	0.03	2.09	17%	2%	39%
Forsyth	3572	77%	1.22	0.33	1.55	63%	12%	3197	74%	0.47	0.04	0.51	77%	2%	61%
Franklin	689	94%	1.09	0.46	1.55	65%	16%	675	94%	0.21	0.03	0.23	86%	2%	56%
<b>For Comparison</b>															
State Totals	70704	58%	1.20	0.34	1.54	64%	13%	59742	51%	0.45	0.03	0.48	78%	2%	45%

\* All data are explained in the introduction to this report on page 1.

# County Level Oral Health Status\*

## 2012-2013

County Name	Kindergarten							Grade 5							
	Screened		%dmft					Screened		%DMFT					
	#	%	fmt	dt	dmft	=0/0	%dt	#	%	FMT	DT	DMFT	=0/0	%DT	%Sealants
Gaston	2323	86%	1.08	0.23	1.31	67%	10%	2245	86%	0.39	0.01	0.40	80%	1%	59%
Gates	101	88%	0.32	0.29	0.60	78%	18%	123	91%	0.22	0.05	0.27	85%	4%	37%
Graham	90	89%	1.84	0.46	2.30	56%	17%	87	95%	0.63	0.02	0.66	66%	2%	68%
Granville	572	91%	0.98	0.55	1.52	62%	21%	630	96%	0.16	0.02	0.18	89%	2%	49%
Guilford	5096	88%	1.22	0.34	1.56	61%	14%	0							
Halifax	453	74%	0.58	0.48	1.06	72%	15%	368	62%	0.12	0.05	0.17	91%	3%	7%
Harnett	1503	88%	0.84	0.16	1.00	74%	7%	1347	85%	0.22	0.03	0.25	87%	2%	41%
Haywood	518	91%	1.74	0.26	2.00	59%	11%	581	91%	0.67	0.03	0.71	71%	3%	67%
Hoke	518	70%	1.54	0.49	2.04	58%	19%	535	84%	0.61	0.06	0.66	70%	3%	13%
Jackson	295	96%	2.23	0.30	2.53	52%	13%	265	97%	0.48	0.02	0.50	75%	2%	36%
Johnston	2426	93%	0.94	0.30	1.24	71%	12%	2536	93%	0.54	0.02	0.55	76%	1%	39%
Jones	100	91%	1.45	0.32	1.77	69%	9%	72	90%	0.44	0.06	0.50	81%	4%	33%
Lee	636	75%	1.09	0.25	1.34	69%	10%	584	78%	0.26	0.01	0.28	85%	1%	59%
Lincoln	874	84%	1.05	0.37	1.42	65%	15%	830	86%	0.32	0.03	0.35	81%	2%	55%
Macon	382	98%	1.78	0.29	2.07	48%	12%	299	91%	1.19	0.02	1.21	56%	1%	37%
Madison	160	91%	1.53	0.49	2.03	60%	16%	184	93%	0.58	0.03	0.60	76%	2%	63%
McDowell	483	97%	2.30	0.50	2.80	49%	18%	484	95%	0.98	0.06	1.04	60%	4%	47%
Mecklenburg	9802	77%	0.77	0.14	0.91	74%	6%	9209	78%	0.32	0.01	0.34	83%	1%	34%
Mitchell	138	95%	2.27	0.31	2.58	49%	13%	155	94%	0.44	0.03	0.47	77%	3%	43%
Northampton	244	89%	0.95	0.72	1.67	56%	28%	236	88%	0.41	0.07	0.48	74%	6%	25%
Onslow	1925	80%	0.73	0.23	0.95	71%	11%	1483	79%	0.23	0.01	0.24	86%	1%	62%
Pamlico	103	88%	1.34	0.18	1.52	64%	7%	126	90%	0.48	0.03	0.51	75%	3%	21%
Pender	629	92%	1.10	0.40	1.50	61%	16%	628	94%	0.50	0.06	0.55	74%	3%	55%
Perquimans	158	97%	1.16	0.50	1.66	57%	23%	132	99%	0.30	0.02	0.32	85%	2%	60%
Person	357	78%	0.97	0.44	1.41	62%	18%	391	81%	0.15	0.03	0.18	89%	2%	50%
Polk	152	92%	2.28	0.34	2.61	53%	19%	181	95%	1.19	0.04	1.23	57%	2%	56%
Randolph	1625	93%	0.89	0.29	1.18	65%	12%	1755	94%	0.40	0.01	0.41	78%	1%	34%

### For Comparison

State Totals	70704	58%	1.20	0.34	1.54	64%	13%	59742	51%	0.45	0.03	0.48	78%	2%	45%
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\* All data are explained in the introduction to this report on page 1.

# County Level Oral Health Status\*

## 2012-2013

County Name	Kindergarten							Grade 5							
	Screened		fmt	dt	dmft	%dmft		Screened		FMT	DT	%DMFT			
	#	%				#	%	=0/0	%dt			%Sealants			
Richmond	555	90%	0.99	0.64	1.63	59%	24%	558	93%	0.37	0.08	0.45	79%	6%	8%
Robeson	1783	86%	2.10	0.71	2.81	46%	26%	1546	88%	0.94	0.12	1.06	56%	9%	37%
Rockingham	1016	96%	1.24	0.49	1.73	59%	18%	1049	97%	0.39	0.04	0.43	77%	3%	48%
Rowan	1417	87%	0.83	0.61	1.45	62%	21%	1426	91%	0.22	0.09	0.31	85%	4%	46%
Rutherford	690	81%	1.87	0.58	2.45	50%	23%	625	79%	1.23	0.05	1.29	54%	4%	48%
Sampson	889	90%	1.69	0.33	2.03	57%	13%	851	92%	0.28	0.05	0.32	82%	3%	20%
Scotland	130	24%	0.82	0.71	1.52	63%	24%	155	36%	0.43	0.14	0.57	74%	9%	13%
Stanly	638	93%	0.63	0.36	0.99	71%	12%	618	91%	0.26	0.01	0.27	82%	1%	55%
Stokes	468	93%	1.12	0.55	1.67	59%	19%	511	94%	0.40	0.04	0.44	78%	3%	75%
Surry	821	85%	1.40	0.49	1.89	55%	17%	819	85%	0.48	0.02	0.50	74%	1%	72%
Swain	119	83%	1.75	0.18	1.94	58%	12%	132	99%	0.65	0.06	0.70	64%	3%	48%
Transylvania	256	89%	1.35	0.25	1.61	56%	11%	239	89%	0.43	0.05	0.47	75%	3%	36%
Union	2207	76%	0.44	0.27	0.71	79%	10%	2251	67%	0.16	0.04	0.20	89%	2%	68%
Vance	619	92%	1.30	0.66	1.96	56%	25%	492	77%	0.22	0.02	0.24	87%	2%	44%
Warren	189	95%	1.01	0.41	1.42	70%	12%	162	98%	0.20	0.01	0.21	88%	1%	6%
Watauga	347	90%	0.73	0.42	1.15	71%	13%	306	94%	0.22	0.02	0.24	88%	1%	66%
Wilkes	714	88%	1.51	0.33	1.84	58%	13%	720	92%	0.46	0.02	0.48	77%	1%	86%
Yancey	164	96%	2.03	0.56	2.59	49%	15%	166	91%	0.49	0.03	0.52	73%	2%	63%

### For Comparison

State Totals	70704	58%	1.20	0.34	1.54	64%	13%	59742	51%	0.45	0.03	0.48	78%	2%	45%
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