

DATAline'09



Gauging minority presence in health care across North Carolina since 1988.

Nov. 2009/Report # 2

Table Highlights

Table 1

Dental hygienists of color comprise 4.3% of practicing dental hygienists in North Carolina.

Table 2

To reach population parity, the number of:

- African American dental hygienists needs to increase from 178 to 1,029
- Native American dental hygienists needs to increase from 8 to 55
- Hispanic/Latino dental hygienists needs to increase from 19 to 340.

Table 3

The largest gap between practitioner and population exists among Hispanics/Latinos with a ratio of **1** Hispanic/Latino dental hygienist for every **33,602** Hispanics/Latinos.

Table 4

Sixty-three of North Carolina's **100** counties were without dental hygienists of color in 2007.

Source: 2007 Census, General Population Characteristics, North Carolina and Cecil G. Sheps Center for Health Services Research, UNC



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In Practice: North Carolina's Dental Hygienists

	Total	White/Other		African American		Native American		Hispanic/Latino	
2007	4,819*	4,605	95.6%	178	3.7%	8	0.2%	19	0.4%
2001	3,866*	3,727	96.4%	115	3.0%	11	0.3%	3	0.1%
1998	3,395	3,271	96.4%	99	2.9%	11	0.3%	3	0.1%
1996	3,079	2,945	95.6%	83	2.7%	10	0.3%	3	0.1%
1994	2,838	2,751	97.0%	65	2.2%	8	0.3%	3	0.1%
1992	2,398	2,345	98.3%	48	2.0%	5	0.2%	—	—
1990	2,372	2,318	97.7%	49	2.1%	5	0.2%	—	—

Table 1

*Total includes unknown; 2007 (N=8); 2001 (N=10)

2007 Population Census Data compared to 2007 Practicing Dental Hygienists

Ethnic Group	Population	Percentage	HYGs	Percentage
White/Other	6,384,294	70.46%	4,605	95.56%
African American	1,935,228	21.36%	178	3.69%
Native American	103,066	1.14%	8	0.17%
Hispanic/Latino	638,444	7.05%	19	0.39%
TOTAL POPULATION	9,061,032**		4,819*	
TOTAL MINORITY	2,676,738	29.54%	205	4.25%

Table 2

*Total includes unknown; 2007 (N=8)

2007 Practitioner to Population Ratio

1 dental hygienist for every	1,386	White/Other Americans
1 dental hygienist for every	10,872	African Americans
1 dental hygienist for every	12,883	Native Americans
1 dental hygienist for every	33,602	Hispanics/Latinos
1 dental hygienist for every	13,057	persons of color in North Carolina

Table 3

County ¹	Total Population ²	White/Other			AA			NA			HIS/LAT		
		HYGs	Ratio		HYGs	Ratio		HYGs	Ratio		HYGs	Ratio	
Alamance	145,360	102,147	79	1:1,293	26,923	1-4*	1:10,769	467	0	0:467	15,823	1-4*	1:6,329
Alexander	36,396	32,922	17	1:1,937	2,220	0	0:2,220	69	0	0:69	1,185	0	0:1,185
Alleghany	10,915	9,814	1-4*	1:3,926	157	0	0:157	18	0	0:18	926	0	0:926
Anson	25,202	12,587	1-4*	1:5,035	12,126	0	0:12,126	136	0	0:136	353	0	0:353
Ashe	25,531	24,363	5	1:4,873	227	0	0:227	42	0	0:42	899	0	0:899
Avery	17,776	16,126	5	1:3,225	939	0	0:939	43	0	0:43	668	0	0:668
Beaufort	45,771	31,190	22	1:1,418	12,586	0	0:12,586	74	0	0:74	1,921	0	0:1,921
Bertie	18,601	6,845	1-4*	1:2,738	11,417	0	0:11,417	71	0	0:71	268	0	0:268
Bladen	32,301	18,156	5	1:3,631	11,599	0	0:11,599	677	0	0:677	1,869	0	0:1,869
Brunswick	99,214	82,889	31	1:2,718	11,992	0	0:11,992	621	0	0:621	3,712	0	0:3,712
Buncombe	226,771	199,941	164	1:1,223	16,308	0	0:16,308	869	0	0:869	9,653	0	0:9,653
Burke	88,975	78,255	34	1:2,302	5,902	1-4*	1:2,361	266	0	0:266	4,552	0	0:4,552
Cabarrus	163,262	125,098	86	1:1,455	23,677	1-4*	1:9,471	518	0	0:518	13,969	0	0:13,969
Caldwell	79,454	71,989	30	1:2,440	4,253	0	0:4,253	174	0	0:174	3,038	0	0:3,038
Camden	9,490	7,732	0	0:7,732	1,561	0	0:1,561	30	0	0:30	167	0	0:167
Carteret	63,238	56,864	48	1:1,185	4,564	0	0:4,564	327	0	0:327	1,483	0	0:1,483
Caswell	23,261	14,781	5	1:2,956	7,876	1-4*	1:3,150	41	0	0:41	563	0	0:563
Catawba	155,646	128,842	89	1:1,456	12,939	1-4*	1:5,176	384	0	0:384	13,481	0	0:13,481
Chatham	61,455	45,175	31	1:1,457	8,281	0	0:8,281	188	0	0:188	7,811	0	0:7,811
Cherokee	26,499	25,210	12	1:2,101	522	0	0:522	402	0	0:402	365	0	0:365
Chowan	14,635	9,085	1-4*	1:3,634	5,238	0	0:5,238	38	0	0:38	274	0	0:274
Clay	10,238	9,888	9	1:1,099	125	0	0:125	44	0	0:44	181	0	0:181
Cleveland	98,453	75,997	59	1:1,288	20,380	1-4*	1:8,152	168	0	0:168	1,908	1-4*	1:763
Columbus	54,046	34,216	16	1:2,139	16,455	0	0:16,455	1,747	0	0:1,747	1,628	0	0:1,628
Craven	96,746	69,758	46	1:1,533	22,995	0	0:22,995	410	0	0:410	3,583	0	0:3,583
Cumberland	306,518	172,237	146	1:1,180	111,081	18	1:6,171	4,459	1-4*	1:1,784	18,741	1-4*	1:7,496
Currituck	23,960	21,556	1-4*	1:8,622	1,821	0	0:1,821	75	0	0:75	508	0	0:508
Dare	33,776	31,483	25	1:1,259	1,053	0	0:1,053	95	0	0:95	1,145	0	0:1,145
Davidson	156,530	132,215	76	1:1,751	14,754	1-4*	1:5,902	508	0	0:508	9,053	0	0:9,053
Davie	40,516	35,155	28	1:1,256	2,769	0	0:2,769	85	0	0:85	2,507	0	0:2,507
Duplin	52,979	27,871	20	1:1,394	13,792	0	0:13,792	115	0	0:115	11,201	0	0:11,201
Durham	256,500	130,307	113	1:1,158	95,098	25	1:3,804	667	0	0:667	30,428	1-4*	1:12,171
Edgecombe	52,647	20,786	9	1:2,310	29,652	0	0:29,652	130	0	0:130	2,079	0	0:2,079
Forsyth	338,774	217,465	200	1:1,087	85,393	5	1:17,079	1,042	0	0:1,042	34,874	1-4*	1:13,950
Franklin	57,222	37,514	18	1:2,084	15,509	1-4*	1:6,204	218	0	0:218	3,981	0	0:3,981
Gaston	202,535	161,741	104	1:1,563	29,228	1-4*	1:11,691	549	0	0:549	11,017	0	0:11,017

Table 4 (con't.)

table continued on next page

County ¹	Total Population ²	White/Other			AA			NA			HIS/		
		HYGs	Ratio		HYGs	Ratio		HYGs	Ratio		HYGs	Ratio	
Gates	11,737	7,403	0	0:7,403	4,150	0	0:4,150	49	0	0:49	135	0	0:135
Graham	7,858	7,120	1-4*	1:2,848	40	0	0:40	605	0	0:605	93	0	0:93
Granville	55,045	32,998	20	1:1,650	18,384	1-4*	1:7,354	235	0	0:235	3,428	0	0:3,428
Greene	20,405	9,843	8	1:1,230	8,077	0	0:8,077	59	0	0:59	2,426	0	0:2,426
Guilford	465,931	291,159	253	1:1,151	144,655	15	1:9,644	2,191	1-4*	1:876	27,926	1-4*	1:11,170
Halifax	55,060	23,170	27	1:874	29,404	1-4*	1:11,762	1,833	0	0:1,833	653	0	0:653
Harnett	108,721	74,943	48	1:1,578	24,005	1-4*	1:9,602	861	0	0:861	8,912	0	0:8,912
Haywood	56,430	54,186	45	1:1,218	844	0	0:844	318	0	0:318	1,082	0	0:1,082
Henderson	100,810	88,884	77	1:1,154	3,185	1-4*	1:1,274	242	0	0:242	8,499	0	0:8,499
Hertford	23,206	8,436	1-4*	1:3,374	14,050	0	0:14,050	275	0	0:275	445	0	0:445
Hoke	42,422	19,428	11	1:1,766	14,665	1-4*	1:5,866	3,894	0	0:3,894	4,435	0	0:4,435
Hyde	5,172	3,180	0	0:3,180	1,822	0	0:1,822	21	0	0:21	149	0	0:149
Iredell	151,445	124,155	91	1:1,364	18,645	0	0:18,645	380	0	0:380	8,265	0	0:8,265
Jackson	36,751	31,511	17	1:1,854	876	0	0:876	3,587	1-4*	1:1,435	777	0	0:777
Johnston	157,437	115,056	60	1:1,918	24,695	1-4*	1:9,878	572	0	0:572	17,114	1-4*	1:6,846
Jones	10,127	6,334	1-4*	1:2,534	3,382	0	0:3,382	35	0	0:35	376	0	0:376
Lee	57,973	36,879	34	1:1,085	11,575	1-4*	1:4,630	237	0	0:237	9,282	0	0:9,282
Lenoir	56,761	30,907	33	1:937	23,073	1-4*	1:9,229	107	0	0:107	2,674	0	0:2,674
Lincoln	73,106	62,059	34	1:1,825	4,566	0	0:4,566	189	0	0:189	6,292	0	0:6,292
Macon	32,608	31,084	18	1:1,727	508	0	0:508	101	0	0:101	915	0	0:915
Madison	20,309	19,649	5	1:3,930	250	0	0:250	53	0	0:53	357	0	0:357
Martin	23,598	12,436	10	1:1,244	10,399	0	0:10,399	72	0	0:72	691	0	0:691
McDowell	43,537	39,781	24	1:1,658	1,724	0	0:1,724	124	0	0:124	1,908	0	0:1,908
Mecklenburg	867,067	521,695	502	1:1,039	253,546	31	1:8,179	3,278	0	0:3,278	88,548	1-4*	1:35,419
Mitchell	15,786	15,132	7	1:2,162	98	0	0:98	36	0	0:36	520	0	0:520
Montgomery	27,451	17,782	11	1:1,617	5,368	0	0:5,368	87	0	0:87	4,214	0	0:4,214
Moore	84,435	66,879	53	1:1,262	12,195	0	0:12,195	610	0	0:610	4,751	0	0:4,751
Nash	92,949	54,215	36	1:1,506	34,247	0	0:34,247	399	0	0:399	4,088	0	0:4,088
New Hanover	190,432	153,606	146	1:1,052	29,766	1-4*	1:11,906	732	0	0:732	6,328	0	0:6,328
Northampton	20,830	8,484	5	1:1,697	12,053	0	0:12,053	67	0	0:67	226	0	0:226
Onslow	162,745	123,879	108	1:1,152	27,238	1-4*	1:10,895	962	0	0:962	10,666	1-4*	1:4,266
Orange	124,313	100,000	87	1:1,156	16,435	9	1:1,826	468	0	0:468	7,410	0	0:7,410
Pamlico	12,577	9,462	9	1:1,113	2,855	1-4*	1:1,142	75	0	0:75	185	0	0:185
Pasquotank	40,543	24,065	9	1:2,674	15,469	0	0:15,469	134	0	0:134	875	0	0:875
Pender	49,865	37,616	31	1:1,233	9,611	0	0:9,611	201	0	0:201	2,437	0	0:2,437
Perquimans	12,498	9,182	1-4*	1:3,673	3,141	0	0:3,141	25	0	0:25	150	0	0:150

Table 4

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County ¹	Total Population ²	White/Other			AA			NA			HIS/LAT		
		HYGs	Ratio		HYGs	Ratio		HYGs	Ratio		HYGs	Ratio	
Person	37,356	25,592	14	1:1,896	10,457	1-4*	1:4,183	216	0	0:216	1,091	0	0:1,091
Pitt	152,068	94,022	54	1:1,741	50,821	0	0:50,821	437	0	0:437	6,788	0	0:6,788
Polk	19,036	17,163	7	1:2,452	1,045	0	0:1,045	48	0	0:48	780	0	0:780
Randolph	140,145	117,344	72	1:1,630	7,959	0	0:7,959	606	0	0:606	14,236	0	0:14,236
Richmond	45,985	29,134	12	1:2,428	14,104	0	0:14,104	832	0	0:832	1,915	0	0:1,915
Robeson	128,149	39,514	32	1:1,235	31,155	1-4*	1:12,462	47,041	1-4*	1:18,816	10,439	0	0:10,439
Rockingham	92,421	69,989	60	1:1,166	17,638	0	0:17,638	255	0	0:255	4,539	0	0:4,539
Rowan	137,383	107,152	65	1:1,661	21,135	1-4*	1:8,454	414	0	0:414	8,682	0	0:8,682
Rutherford	63,012	54,613	40	1:1,383	6,938	1-4*	1:2,775	120	0	0:120	1,341	0	0:1,341
Sampson	63,641	34,705	24	1:1,446	17,949	1-4*	1:7,180	1,103	0	0:1,103	9,884	0	0:9,884
Scotland	36,364	18,672	12	1:1,624	13,825	0	0:13,825	3,414	0	0:3,414	453	0	0:453
Stanly	59,195	50,150	27	1:1,857	6,943	0	0:6,943	151	0	0:151	1,951	0	0:1,951
Stokes	46,072	42,715	9	1:4,746	2,191	0	0:2,191	115	0	0:115	1,051	0	0:1,051
Surry	72,380	62,825	45	1:1,396	2,851	0	0:2,851	172	0	0:172	6,532	0	0:6,532
Swain	13,643	9,582	1-4*	1:3,833	299	0	0:299	3,471	0	0:3,471	291	0	0:291
Transylvania	29,984	28,050	22	1:1,275	1,432	0	0:1,432	91	0	0:91	411	0	0:411
Tyrrell	4,121	2,142	0	0:2,142	1,656	0	0:1,656	9	0	0:9	314	0	0:314
Union	184,675	144,082	80	1:1,801	22,164	1-4*	1:8,866	568	0	0:568	17,861	0	0:17,861
Vance	42,992	19,190	11	1:1,745	21,046	0	0:21,046	99	0	0:99	2,657	0	0:2,657
Wake	832,970	591,208	505	1:1,171	168,330	28	1:6,012	3,154	1-4*	1:1,262	70,278	1-4*	1:28,111
Warren	19,410	7,625	1-4*	1:3,050	10,373	1-4*	1:4,149	954	0	0:954	458	0	0:458
Washington	12,915	6,068	1-4*	1:2,427	6,441	0	0:6,441	7	0	0:7	399	0	0:399
Watauga	44,541	42,572	25	1:1,703	955	0	0:955	113	0	0:113	901	0	0:901
Wayne	113,590	68,464	83	1:825	36,975	1-4*	1:14,790	421	0	0:421	7,730	0	0:7,730
Wilkes	66,844	60,396	31	1:1,948	2,774	0	0:2,774	97	0	0:97	3,577	0	0:3,577
Wilson	76,754	40,095	30	1:1,337	29,875	1-4*	1:11,950	172	0	0:172	6,612	0	0:6,612
Yadkin	37,797	33,150	20	1:1,658	1,301	0	0:1,301	63	0	0:63	3,283	0	0:3,283
Yancey	18,456	17,282	7	1:2,469	188	0	0:188	42	0	0:42	944	0	0:944

Table 4 (con't.)

* Represents a cell size greater than zero and less than five. For analysis purposes, a conservative estimate of 2.5 was used.

HYGs = Dental Hygienists

AA = African American

NA = Native American

HIS/LAT = Hispanic/Latino (of any race)

Data include all active, in-state HYGs in North Carolina as of October 31, 2007. Race is self-reported by the HYGs at time of initial application or subsequent renewals.

¹County population figures for the four races and ethnicities listed in the light gray regions include White/Other (includes Asian or Pacific Islander and those persons whom the Census Bureau classifies as Other race), Black (African American), American Indian, Eskimo or Aleut (Native American), and Hispanic/Latino (of any race). ²Total county population figures may differ due to a 1% margin of error.