



Table Highlights

Table 1

Registered pharmacists (RPHs) of color represent only **5.37%** of practicing pharmacists in North Carolina in 2007.

Table 2

To reach population parity, the number of:

- African American pharmacists needs to increase from **371 to 1,745**
- Native American and Hispanic/Latino pharmacists needs to increase from **36 to 93**, and from **32 to 576**, respectively.

Table 3

The largest gap between practitioner and population exists among Hispanics/Latinos with a ratio of **1** Hispanic/Latino pharmacist for **every 19,951** Hispanics/Latinos.

Table 4

50 of North Carolina's **100** counties were without pharmacists of color in 2007.

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



Produced by the
NC Health Careers Access Program
 University of North Carolina
 SASB Building South, Ste 3307
 Campus Box 8010
 Chapel Hill, NC 27599-8010
 PH: (919) 966-2264
 FAX: (919) 966-6109
<http://nchcap.unc.edu>

In Practice: North Carolina's Pharmacists

	Total	White/Other		African American		Native American		Hispanic/Latino	
2007	8,171	7,732	94.63%	371	4.54%	36	0.44%	32	0.39%
2001	7,060	6,779	96.0%	242	3.4%	27	0.4%	12	0.2%
1998	6,497	6,289	96.8%	172	2.6%	25	0.4%	11	0.2%
1996	6,172	5,981	96.8%	157	2.5%	23	0.4%	11	0.2%
1994	5,883	5,710	97.1%	144	2.4%	17	0.3%	12	0.2%
1992	5,361	5,208	97.2%	136	2.5%	17	0.3%	--	--
1990	5,210	5,068	97.3%	126	2.4%	16	0.3%	--	--

Table 1

2007 Population Census Data compared to 2007 Practicing Pharmacists

Ethnic Group	Population	Percentage	Pharmacists	Percentage
White/Other	6,384,294	70.46%	7,732	94.63%
African American	1,935,228	21.36%	371	4.54%
Native American	103,066	1.14%	36	0.44%
Hispanic/Latino	638,444	7.05%	32	0.39%
TOTAL POPULATION	9,061,032**		8,171	
TOTAL MINORITY	2,676,738	29.54%	439	5.37%

Table 2

** 1% margin of error

2007 Practitioner to Population Ratio

1 pharmacist for every	826	White/Other Americans
1 pharmacist for every	5,216	African Americans
1 pharmacist for every	2,863	Native Americans
1 pharmacist for every	19,951	Hispanics/Latinos
1 pharmacist for every	6,097	persons of color in North Carolina

Table 3

County ¹	Total Population ²	White/Other			AA			NA			HIS/LAT		
		RPHs	Ratio		RPHs	Ratio		RPHs	Ratio		RPHs	Ratio	
Alamance	145,360	102,147	108	1:950	26,923	1-4*	1:10,769	467	0	0:467	15,823	0	0:15,823
Alexander	36,396	32,922	19	1:1,733	2,220	0	0:2,220	69	0	0:69	1,185	0	0:1,185
Alleghany	10,915	9,814	7	1:1,402	157	0	0:157	18	0	0:18	926	0	0:926
Anson	25,202	12,587	9	1:1,399	12,126	0	0:12,126	136	0	0:136	353	0	0:353
Ashe	25,531	24,363	17	1:1,433	227	0	0:227	42	0	0:42	899	0	0:899
Avery	17,776	16,126	18	1:896	939	0	0:939	43	0	0:43	668	0	0:668
Beaufort	45,771	31,190	34	1:931	12,586	0	0:12,586	74	0	0:74	1,921	0	0:1,921
Bertie	18,601	6,845	9	1:761	11,417	0	0:11,417	71	0	0:71	268	0	0:268
Bladen	32,301	18,156	13	1:1,397	11,599	0	0:11,599	677	0	0:677	1,869	0	0:1,869
Brunswick	99,214	82,889	72	1:1,151	11,992	0	0:11,992	621	0	0:621	3,712	0	0:3,712
Buncombe	226,771	199,941	289	1:693	16,308	1-4*	1:6,523	869	1-4*	1:348	9,653	1-4*	1:3,861
Burke	88,975	78,255	76	1:1,036	5,902	1-4*	1:2,361	266	0	0:266	4,552	0	0:4,552
Cabarrus	163,262	125,098	155	1:810	23,677	9	1:2,631	518	0	0:518	13,969	0	0:13,969
Caldwell	79,454	71,989	46	1:1,565	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	62	1:925	4,564	1-4*	1:1,826	327	0	0:327	1,483	0	0:1,483
Caswell	23,261	14,781	7	1:2,112	7,876	0	0:7,876	41	0	0:41	563	0	0:563
Catawba	155,646	128,842	129	1:1,003	12,939	1-4*	1:5,176	384	1-4*	1:154	13,481	1-4*	1:5,392
Chatham	61,455	45,175	35	1:1,309	8,281	0	0:8,281	188	0	0:188	7,811	0	0:7,811
Cherokee	26,499	25,210	23	1:1,096	522	0	0:522	402	0	0:402	365	0	0:365
Chowan	14,635	9,085	7	1:1,298	5,238	1-4*	1:2,095	38	0	0:38	274	0	0:274
Clay	10,238	9,888	6	1:1,648	125	0	0:125	44	0	0:44	181	0	0:181
Cleveland	98,453	75,997	68	1:1,126	20,380	1-4*	1:8,152	168	0	0:168	1,908	0	0:1,908
Columbus	54,046	34,216	51	1:671	16,455	0	0:16,455	1,747	0	0:1,747	1,628	0	0:1,628
Craven	96,746	69,758	79	1:889	22,995	1-4*	1:9,198	410	0	0:410	3,583	1-4*	1:1,433
Cumberland	306,518	172,237	185	1:934	111,081	19	1:5,846	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	32	1:984	1,053	0	0:1,053	95	0	0:95	1,145	0	0:1,145
Davidson	156,530	132,215	73	1:1,824	14,754	1-4*	1:5,902	508	0	0:508	9,053	0	0:9,053
Davie	40,516	35,155	29	1:1,234	2,769	0	0:2,769	85	0	0:85	2,507	0	0:2,507
Duplin	52,979	27,871	31	1:899	13,792	2	1:6,896	115	0	0:115	11,201	0	0:11,201
Durham	256,500	130,307	640	1:204	95,098	32	1:2,972	667	1-4*	1:267	30,428	5	1:6,086
Edgecombe	52,647	20,786	26	1:815	29,652	0	0:29,652	130	0	0:130	2,079	0	0:2,079
Forsyth	338,774	217,465	430	1:506	85,393	23	1:3,713	1,042	1-4*	1:417	34,874	1-4*	1:13,950
Franklin	57,222	37,514	19	1:1,974	15,509	0	0:15,509	218	0	0:218	3,981	0	0:3,981
Gaston	202,535	161,741	156	1:1,037	29,228	15	1:1,949	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/		
		RPHs	Ratio		RPHs	Ratio		RPHs	Ratio		RPHs	Ratio	
Gates	11,737	7,403	1-4*	1:2,961	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	43	1:767	18,384	1-4*	1:7,354	235	0	0:235	3,428	0	0:3,428
Greene	20,405	9,843	1-4*	1:3,937	8,077	0	0:8,077	59	0	0:59	2,426	0	0:2,426
Guilford	465,931	291,159	425	1:686	144,655	26	1:5,564	2,191	1-4*	1:876	27,926	1-4*	1:11,170
Halifax	55,060	23,170	35	1:662	29,404	1-4*	1:11,762	1,833	1-4*	1:733	653	0	0:653
Harnett	108,721	74,943	68	1:1,110	24,005	1-4*	1:9,602	861	0	0:861	8,912	0	0:8,912
Haywood	56,430	54,186	37	1:1,464	844	0	0:844	318	0	0:318	1,082	0	0:1,082
Henderson	100,810	88,884	78	1:1,147	3,185	1-4*	1:1,274	242	0	0:242	8,499	0	0:8,499
Hertford	23,206	8,436	16	1:527	14,050	1-4*	1:5,620	275	0	0:275	445	0	0:445
Hoke	42,422	19,428	14	1:1,439	14,665	1-4*	1:5,866	3,894	1-4*	1:1,558	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	146	1:850	18,645	0	0:18,645	380	0	0:380	8,265	0	0:8,265
Jackson	36,751	31,511	24	1:1,341	876	0	0:876	3,587	1-4*	1:1,435	777	0	0:777
Johnston	157,437	115,056	93	1:1,244	24,695	0	0:24,695	572	1-4*	1:229	17,114	0	0:17,114
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	36	1:1,039	11,575	1-4*	1:4,630	237	0	0:237	9,282	0	0:9,282
Lenoir	56,761	30,907	91	1:342	23,073	1-4*	1:9,229	107	0	0:107	2,674	0	0:2,674
Lincoln	73,106	62,059	48	1:1,307	4,566	0	0:4,566	189	0	0:189	6,292	0	0:6,292
Macon	32,608	31,084	27	1:1,173	508	0	0:508	101	0	0:101	915	0	0:915
Madison	20,309	19,649	9	1:2,312	250	0	0:250	53	0	0:53	357	0	0:357
Martin	23,598	12,436	15	1:829	10,399	1-4*	1:4,160	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	782	1:668	253,546	105	1:2,415	3,278	1-4*	1:1,311	88,548	1-4*	1:35,419
Mitchell	15,786	15,132	13	1:1,164	98	0	0:98	36	0	0:36	520	0	0:520
Montgomery	27,451	17,782	16	1:1,111	5,368	0	0:5,368	87	0	0:87	4,214	0	0:4,214
Moore	84,435	66,879	69	1:969	12,195	0	0:12,195	610	1-4*	1:244	4,751	0	0:4,751
Nash	92,949	54,215	63	1:867	34,247	5	1:6,849	399	0	0:399	4,088	0	0:4,088
New Hanover	190,432	153,606	200	1:770	29,766	1-4*	1:11,906	732	0	0:732	6,328	1-4*	1:2,531
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	63	1:1,966	27,238	1-4*	1:10,895	962	0	0:962	10,666	0	0:10,666
Orange	124,313	100,000	214	1:468	16,435	10	1:1,644	468	1-4*	1:187	7,410	1-4*	1:2,964
Pamlico	12,577	9,462	7	1:1,352	2,855	0	0:2,855	75	0	0:75	185	0	0:185
Pasquotank	40,543	24,065	32	1:752	15,469	1-4*	1:6,188	134	0	0:134	875	0	0:875
Pender	49,865	37,616	27	1:1,393	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

table continued on next page

County ¹	Total Population ²	White/Other			AA			NA			HIS/LAT		
		RPHs	Ratio		RPHs	Ratio		RPHs	Ratio		RPHs	Ratio	
Person	37,356	25,592	24	1:1,066	10,457	0	0:10,457	216	0	0:216	1,091	0	0:1,091
Pitt	152,068	94,022	181	1:519	50,821	8	1:6,353	437	1-4*	1:175	6,788	1-4*	1:2,715
Polk	19,036	17,163	8	1:2,145	1,045	0	0:1,045	48	0	0:48	780	0	0:780
Randolph	140,145	117,344	67	1:1,765	7,959	1-4*	1:3,184	606	0	0:606	14,236	0	0:14,236
Richmond	45,985	29,134	33	1:896	14,104	0	0:14,104	832	0	0:832	1,915	0	0:1,915
Robeson	128,149	39,514	68	1:581	31,155	1-4*	1:12,462	47,041	11	1:4,276	10,439	0	0:10,439
Rockingham	92,421	69,989	75	1:933	17,638	1-4*	1:7,055	255	0	0:255	4,539	0	0:4,539
Rowan	137,383	107,152	112	1:961	21,135	5	1:4,227	414	1-4*	1:166	8,682	0	0:8,682
Rutherford	63,012	54,613	45	1:1,214	6,938	1-4*	1:2,775	120	0	0:120	1,341	0	0:1,341
Sampson	63,641	34,705	35	1:992	17,949	0	0:17,949	1,103	0	0:1,103	9,884	0	0:9,884
Scotland	36,364	18,672	33	1:575	13,825	0	0:13,825	3,414	1-4*	1:1,366	453	0	0:453
Stanly	59,195	50,150	37	1:1,374	6,943	0	0:6,943	151	0	0:151	1,951	0	0:1,951
Stokes	46,072	42,715	19	1:2,248	2,191	0	0:2,191	115	0	0:115	1,051	0	0:1,051
Surry	72,380	62,825	58	1:1,093	2,851	1-4*	1:1,140	172	0	0:172	6,532	0	0:6,532
Swain	13,643	9,582	10	1:958	299	0	0:299	3,471	0	0:3,471	291	0	0:291
Transylvania	29,984	28,050	23	1:1,220	1,432	0	0:1,432	91	0	0:91	411	0	0:411
Tyrrell	4,121	2,142	1-4*	1:857	1,656	0	0:1,656	9	0	0:9	314	0	0:314
Union	184,675	144,082	114	1:1,264	22,164	7	1:3,166	568	0	0:568	17,861	0	0:17,861
Vance	42,992	19,190	33	1:590	21,046	1-4*	1:8,418	99	0	0:99	2,657	0	0:2,657
Wake	832,970	591,208	863	1:685	168,330	46	1:3,659	3,154	1-4*	1:1,262	70,278	10	1:7,028
Warren	19,410	7,625	8	1:953	10,373	0	0:10,373	954	0	0:954	458	0	0:458
Washington	12,915	6,068	6	1:1,011	6,441	1-4*	1:2,576	7	0	0:7	399	0	0:399
Watauga	44,541	42,572	36	1:1,183	955	0	0:955	113	0	0:113	901	0	0:901
Wayne	113,590	68,464	82	1:835	36,975	1-4*	1:14,790	421	0	0:421	7,730	0	0:7,730
Wilkes	66,844	60,396	33	1:1,830	2,774	1-4*	1:1,110	97	0	0:97	3,577	0	0:3,577
Wilson	76,754	40,095	69	1:585	29,875	1-4*	1:11,950	172	0	0:172	6,612	0	0:6,612
Yadkin	37,797	33,150	11	1:3,014	1,301	1-4*	1:520	63	0	0:63	3,283	1-4*	1:1,313
Yancey	18,456	17,282	5	1:3,456	188	0	0:188	42	0	0:42	944	0	0:944

Table 4 (cont.)

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

RPHs = Registered Pharmacists

AA = African American

NA = Native American

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

Data include all active, in-state RPHs in North Carolina as of October 31, 2007. Race is self-reported by the RPHs 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 (dark gray region) may differ due to a 1% margin of error.