

**2009-2013 CANCER INCIDENCE RATES FOR SELECTED SITES  
PER 100,000 POPULATION  
AGE-ADJUSTED TO THE 2000 US CENSUS**

County	COLON/RECTUM		LUNG/BRONCHUS		FEMALE BREAST		PROSTATE		ALL CANCERS	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
<b>NORTH CAROLINA</b>	20,468	38.9	38,167	71.5	45,430	158.9	33,984	134.3	260,909	490.9
Alamance	334	37.2	656	71.6	833	169.7	567	137.8	4,556	507.3
Alexander	94	42.0	178	76.3	174	144.1	139	119.8	1,071	464.0
Alleghany	40	43.7	61	64.3	56	129.7	55	123.4	403	479.2
Anson	70	44.2	125	78.3	128	162.3	87	116.2	738	470.5
Ashe	75	38.1	149	70.3	141	137.3	98	91.0	971	484.5
Avery	49	40.2	79	62.0	88	148.4	59	97.3	540	440.5
Beaufort	158	49.0	290	84.1	274	152.1	248	152.7	1,773	530.7
Bertie	55	39.8	103	73.0	108	158.1	91	139.6	608	439.4
Bladen	118	52.3	155	68.2	118	99.0	125	114.6	943	423.8
Brunswick	282	33.3	651	71.2	611	134.0	490	101.7	3,939	447.9
Buncombe	534	35.3	1,054	66.5	1,417	173.6	1,030	139.8	7,669	498.8
Burke	294	51.3	494	82.9	501	162.6	307	109.6	3,045	530.5
Cabarrus	357	39.5	677	77.5	804	162.4	575	134.6	4,709	520.3
Caldwell	219	43.0	454	85.5	426	157.5	262	101.1	2,551	493.0
Camden	17	32.4	28	46.7	52	174.8	48	168.6	267	471.8
Carteret	207	42.3	387	77.2	383	151.9	273	107.5	2,498	509.6
Caswell	71	47.0	115	72.8	122	153.6	122	160.1	776	494.6
Catawba	369	40.4	637	68.8	759	154.7	554	122.2	4,387	478.3
Chatham	164	37.0	266	54.7	418	172.6	248	109.3	2,128	457.6
Cherokee	79	32.5	197	80.1	158	152.8	106	85.3	1,064	490.8
Chowan	44	40.6	76	68.0	82	150.7	71	138.7	501	463.9
Clay	35	38.1	69	68.4	61	129.2	66	139.7	452	497.5
Cleveland	285	47.7	446	72.0	497	151.1	459	153.6	3,049	503.7
Columbus	133	38.1	309	84.5	221	116.6	234	139.1	1,635	457.7
Craven	210	34.6	521	82.6	461	145.6	396	133.4	3,008	491.5
Cumberland	510	37.2	1,027	74.8	1,203	152.4	918	144.6	6,740	479.0
Currituck	41	31.8	117	83.1	102	138.0	83	115.4	614	444.9
Dare	87	41.2	158	68.4	199	168.3	138	120.6	1,077	479.6
Davidson	424	43.0	863	85.9	812	156.3	601	127.8	4,979	507.0
Davie	109	39.2	237	83.4	235	167.9	178	127.4	1,457	531.6
Duplin	131	38.8	233	66.5	242	137.6	174	108.7	1,563	467.0
Durham	449	35.9	746	61.8	1,346	187.3	744	128.2	6,183	481.2
Edgecombe	118	36.5	240	70.3	270	147.1	240	157.3	1,613	486.1
Forsyth	708	36.0	1,397	70.9	1,854	171.9	1,438	156.5	10,101	511.2
Franklin	141	41.7	267	78.3	278	148.4	223	137.7	1,689	491.4
Gaston	542	46.3	1,046	86.4	999	155.3	684	123.1	6,112	514.0
Gates	24	32.9	43	54.0	40	106.1	48	122.2	284	374.3
Graham	23	41.9	33	48.5	49	160.5	28	88.1	260	426.1
Granville	168	51.7	282	83.7	271	157.9	219	136.5	1,792	540.1
Greene	39	34.7	90	75.5	65	110.4	87	150.0	545	458.5
Guilford	957	36.5	1,846	70.6	2,631	182.4	2,041	166.3	13,869	526.4
Halifax	160	44.8	257	69.0	323	170.8	233	145.6	1,775	503.0
Harnett	211	39.8	472	88.1	469	156.5	303	119.0	2,770	505.1
Haywood	150	32.4	329	69.8	322	145.7	277	125.5	2,175	491.9
Henderson	360	41.8	545	59.8	695	163.1	520	125.9	4,107	486.9
Hertford	66	42.8	118	73.1	123	151.9	118	157.8	740	475.7
Hoke	52	28.4	172	98.3	135	126.3	150	174.0	906	481.8
Hyde	19	53.0	30	81.9	23	114.0	21	124.3	161	426.5
Iredell	368	41.0	666	75.0	806	167.0	647	150.6	4,543	509.7
Jackson	110	50.8	166	65.5	154	132.3	142	118.7	1,118	476.3

Produced by the NC Central Cancer Registry, 12/2016.  
Rates based on counts less than 16 are unstable. Use with caution.  
Cases may not sum to totals due to unknown or other values.

Rates are calculated using the bridged-race population estimates obtained from the National Center for Health Statistics available online at [www.cdc.gov/nchs/nvss/bridged\\_race/data\\_documentation.htm#vintage2015](http://www.cdc.gov/nchs/nvss/bridged_race/data_documentation.htm#vintage2015).

The widespread use of prostate-specific antigen (PSA) testing has dramatically changed the epidemiology of prostate cancer. According to the American Cancer Society, incidence rates for prostate cancer spiked dramatically in the United States in the late 1980s and early 1990s, in large part because of increased use of the PSA blood test for screening. Since then, rates have been steadily declining. From 2007 to 2011, incidence rates were stable in men younger than 65 and decreased by 2.8% per year in those 65 and older (1). SEER has reported similar findings. Using statistical models for analysis, rates for new prostate cancer cases have been falling on average 2.4% each year over the last 10 years (2).

The decline in rates may represent the effect of screening anticipation: incidence has become lower than expected as cases that were bound to present have already been diagnosed through screening. The decline in the incidence rate observed in North Carolina is consistent with that found in the national statistics and may suggest that the PSA screening prevalence effect is starting to subside. For more information on the PSA Test, see <http://www.cancer.gov/cancertopics/factsheet/detection/PSA>.

(1) American Cancer Society. *Cancer Facts & Figures 2015*. Atlanta: American Cancer Society; 2015.

(2) <http://seer.cancer.gov/statistics/summaries.html> (accessed 1/26/2015)

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<b>NORTH CAROLINA</b>	20,468	38.9	38,167	71.5	45,430	158.9	33,984	134.3	260,909	490.9
Johnston	303	38.0	604	73.8	668	142.1	476	122.3	3,929	468.7
Jones	32	46.5	68	87.7	49	127.3	47	137.8	360	503.3
Lee	149	45.3	254	74.6	263	145.5	186	115.9	1,625	484.1
Lenoir	170	45.7	290	74.7	324	156.5	267	150.7	1,965	518.6
Lincoln	155	35.2	333	74.4	385	154.2	291	125.8	2,234	490.2
McDowell	155	54.9	266	87.9	212	139.8	155	107.3	1,499	516.4
Macon	120	45.8	229	74.9	217	163.2	160	108.9	1,324	477.8
Madison	66	44.3	87	56.2	112	156.6	76	102.5	628	439.1
Martin	78	44.4	121	68.8	144	160.5	118	141.4	855	508.4
Mecklenburg	1,434	35.1	2,268	59.6	4,014	169.6	2,768	147.5	19,804	477.5
Mitchell	47	40.5	104	83.5	77	127.3	65	108.0	581	496.9
Montgomery	94	52.6	140	76.9	116	127.8	137	159.1	846	481.7
Moore	246	34.6	545	74.3	569	166.5	506	149.7	3,596	529.1
Nash	240	41.7	433	73.8	497	159.8	329	118.6	2,672	464.0
New Hanover	373	32.0	794	66.8	956	154.0	629	111.1	5,546	475.7
Northampton	74	47.2	121	74.1	129	160.3	124	171.2	770	491.7
Onslow	237	39.8	514	88.5	493	152.3	328	119.3	3,210	519.8
Orange	218	34.6	341	56.6	609	172.1	345	114.2	2,955	463.7
Pamlico	27	27.8	97	87.3	89	183.7	75	127.3	519	491.6
Pasquotank	115	50.7	159	68.7	203	161.9	174	164.0	1,134	495.3
Pender	116	34.8	248	71.1	269	155.7	184	105.2	1,634	489.9
Perquimans	38	37.9	76	68.6	77	137.3	70	133.6	454	434.4
Person	106	44.6	213	87.4	176	137.7	156	134.9	1,233	510.0
Pitt	261	34.2	485	64.5	663	157.1	452	129.9	3,506	456.4
Polk	59	33.8	98	52.9	111	123.4	83	92.5	727	429.8
Randolph	343	41.6	743	87.1	705	158.0	566	141.9	4,451	532.4
Richmond	120	43.8	250	87.4	219	153.1	177	137.1	1,406	519.2
Robeson	264	39.3	482	71.0	409	110.3	560	171.4	2,929	426.9
Rockingham	286	46.7	573	91.1	503	160.5	425	145.0	3,309	545.8
Rowan	380	45.8	722	85.3	659	155.0	545	135.8	4,308	520.7
Rutherford	192	42.8	377	80.2	340	143.9	233	103.8	2,176	483.9
Sampson	126	33.6	300	78.4	270	137.6	215	119.6	1,722	464.0
Scotland	101	50.3	179	84.5	183	163.1	181	181.0	1,125	539.1
Stanly	156	40.8	324	82.3	283	147.7	231	121.9	1,939	513.5
Stokes	111	36.1	288	89.9	211	131.3	183	121.2	1,490	482.5
Surry	204	42.5	418	83.2	384	150.5	291	125.6	2,456	512.4
Swain	57	62.4	93	96.6	82	173.3	36	83.0	515	565.4
Transylvania	98	36.6	166	54.3	193	132.9	162	110.7	1,182	414.7
Tyrrell	8	28.7	27	96.5	27	212.6	12	93.0	134	498.1
Union	322	35.0	570	63.7	873	164.5	532	119.2	4,443	470.1
Vance	149	57.9	202	74.1	237	166.2	176	143.6	1,363	516.6
Wake	1,346	33.9	2,065	56.6	4,018	172.9	2,700	141.7	19,509	479.4
Warren	83	58.1	129	83.8	120	162.7	106	138.7	735	500.0
Washington	57	62.7	58	61.6	61	135.1	72	168.5	435	482.3
Watauga	72	29.0	131	52.6	184	142.0	133	102.6	1,124	443.6
Wayne	307	46.7	525	77.0	533	145.3	443	144.9	3,348	499.2
Wilkes	181	38.8	380	79.1	305	127.8	323	140.4	2,171	466.7
Wilson	193	39.3	366	74.3	390	151.1	253	111.0	2,277	471.7
Yadkin	81	32.4	215	84.1	177	134.4	166	143.6	1,167	473.6
Yancey	44	30.4	124	86.4	100	146.8	74	109.1	661	486.9

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