

**2010-2014 CANCER INCIDENCE RATES BY COUNTY 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
NORTH CAROLINA	20,407	37.7	38,539	70.0	46,420	158.4	32,878	125.0	262,801	480.4
Alamance	322	35.1	640	68.2	860	172.9	542	127.9	4,537	493.7
Alexander	97	41.7	175	71.2	175	143.1	141	115.6	1,089	458.6
Alleghany	36	39.6	70	73.8	61	137.7	52	110.7	406	470.8
Anson	76	47.0	128	77.7	124	154.5	91	117.9	743	461.8
Ashe	83	40.6	141	63.9	145	138.6	80	71.6	977	478.2
Avery	48	38.9	81	62.4	97	166.8	59	93.5	565	450.7
Beaufort	155	46.2	287	81.0	270	148.7	234	140.0	1,740	509.7
Bertie	50	35.1	97	64.9	120	165.1	92	133.6	593	413.1
Bladen	114	47.5	166	69.2	116	92.8	121	103.1	964	415.5
Brunswick	297	33.7	661	67.7	610	127.4	477	93.1	4,020	438.2
Buncombe	498	32.0	1,073	66.1	1,441	173.3	979	127.3	7,627	482.0
Burke	273	47.0	497	81.3	498	160.4	295	100.8	3,041	520.2
Cabarrus	351	37.3	673	74.4	886	172.0	551	121.1	4,754	505.0
Caldwell	224	42.7	464	84.9	441	161.0	274	102.6	2,640	498.2
Camden	14	25.4	33	53.9	46	151.1	50	161.9	270	461.0
Carteret	210	41.5	369	72.0	382	147.6	265	101.9	2,450	488.7
Caswell	72	44.6	111	66.5	128	155.3	111	139.8	759	465.3
Catawba	386	41.6	663	70.5	787	159.3	550	119.5	4,510	486.2
Chatham	147	31.2	278	53.6	407	161.0	250	100.2	2,181	444.1
Cherokee	77	32.3	202	80.8	156	144.7	114	90.6	1,059	471.3
Chowan	45	41.1	74	65.6	89	163.8	66	126.4	512	468.8
Clay	32	35.4	60	58.3	62	130.5	52	109.0	412	442.7
Cleveland	278	46.2	434	68.7	507	153.2	417	138.0	3,019	494.1
Columbus	131	36.7	311	82.5	231	121.4	232	132.9	1,631	448.5
Craven	210	34.1	535	82.5	478	148.6	389	127.1	3,035	485.2
Cumberland	502	35.4	1,027	72.6	1,175	144.6	929	139.9	6,757	465.4
Currituck	42	32.7	113	77.2	108	142.2	77	100.1	625	438.8
Dare	79	35.7	166	68.7	175	148.0	134	113.4	1,052	453.4
Davidson	434	43.0	850	81.7	840	158.6	579	118.8	5,055	501.5
Davie	115	40.8	258	88.2	252	173.5	177	124.8	1,531	545.4
Duplin	127	36.2	244	66.9	238	128.1	171	101.1	1,540	438.7
Durham	445	34.4	728	58.3	1,368	183.9	718	118.1	6,211	465.9
Edgecombe	125	36.3	235	64.5	288	150.9	213	129.8	1,611	461.4
Forsyth	744	37.5	1,428	71.4	1,894	174.2	1,375	146.9	10,259	512.7
Franklin	143	40.9	270	74.8	301	153.8	210	122.0	1,724	479.5
Gaston	537	44.9	1,075	87.5	998	153.0	638	110.4	6,074	502.7
Gates	27	35.9	41	51.0	40	101.4	44	110.5	286	369.4
Graham	20	37.1	47	67.8	46	145.9	23	69.7	255	399.1
Granville	172	50.3	282	81.1	269	153.2	201	120.1	1,761	512.5
Greene	36	31.2	101	82.3	55	91.8	86	141.1	535	437.0
Guilford	955	35.2	1,801	67.4	2,662	179.9	1,956	152.9	13,717	506.3
Halifax	157	44.1	265	69.6	327	173.6	227	139.0	1,767	495.0
Harnett	213	38.9	462	83.3	452	146.2	314	116.6	2,810	496.9
Haywood	154	33.5	347	71.0	322	144.0	255	111.1	2,185	482.8
Henderson	359	41.1	558	60.1	689	158.1	493	115.7	4,126	478.3
Hertford	65	40.6	97	58.5	119	141.5	121	155.8	693	437.3
Hoke	61	31.8	173	95.2	139	123.3	153	171.1	946	483.5
Hyde	13	34.1	32	83.8	23	111.9	20	118.3	157	402.2
Iredell	381	41.5	648	70.6	855	172.9	614	137.4	4,608	502.8
Jackson	99	44.2	160	60.8	167	134.1	136	103.0	1,114	449.6

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.

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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	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
NORTH CAROLINA	20,407	37.7	38,539	70.0	46,420	158.4	32,878	125.0	262,801	480.4
Johnston	293	35.1	655	76.3	679	138.8	473	114.4	3,967	452.4
Jones	30	42.0	64	80.0	51	122.7	58	167.1	372	506.4
Lee	148	45.0	251	73.4	268	148.3	193	120.6	1,649	490.9
Lenoir	161	42.2	286	72.5	324	152.1	237	130.3	1,925	499.5
Lincoln	149	32.6	345	73.2	387	150.6	269	108.6	2,245	473.2
McDowell	141	49.3	270	86.9	198	128.5	148	99.5	1,486	499.2
Macon	128	46.6	227	72.6	208	145.8	164	109.6	1,340	467.5
Madison	63	41.2	91	58.2	110	153.3	77	96.8	620	421.4
Martin	82	46.5	131	72.7	146	160.1	109	124.9	852	498.1
Mecklenburg	1,464	34.7	2,304	58.0	4,252	173.2	2,725	138.7	20,262	471.0
Mitchell	53	44.6	104	81.9	84	141.4	59	95.6	591	503.6
Montgomery	86	47.3	140	74.5	129	138.5	138	156.6	880	489.7
Moore	254	35.2	541	72.3	554	160.3	462	133.7	3,553	512.0
Nash	228	39.0	437	74.7	485	153.9	300	106.5	2,664	459.2
New Hanover	355	29.6	788	64.1	1,001	156.7	550	93.6	5,496	455.9
Northampton	69	41.7	121	71.9	128	154.5	109	144.8	737	454.7
Onslow	252	40.4	539	88.3	524	154.4	325	111.0	3,319	513.2
Orange	211	33.1	344	56.5	645	177.9	318	100.0	2,972	456.8
Pamlico	39	38.8	107	93.4	91	175.3	69	113.2	543	495.9
Pasquotank	108	47.8	171	73.3	214	170.9	163	147.1	1,129	488.5
Pender	115	34.3	256	71.8	275	157.6	182	99.7	1,598	467.4
Perquimans	38	38.5	70	60.1	82	146.0	70	129.1	457	427.0
Person	102	41.8	211	83.0	187	144.9	150	122.1	1,223	490.3
Pitt	261	33.5	496	64.1	678	157.5	412	115.1	3,502	444.2
Polk	50	28.4	93	48.6	91	100.0	79	86.8	675	386.6
Randolph	351	41.6	731	83.6	683	151.1	557	135.4	4,487	526.5
Richmond	118	42.3	250	85.6	230	161.6	152	114.5	1,386	505.4
Robeson	264	38.2	509	73.3	414	108.2	523	154.5	2,940	416.3
Rockingham	278	43.8	553	85.6	507	158.9	405	134.1	3,270	528.4
Rowan	356	42.2	743	87.1	646	149.0	520	127.0	4,340	519.4
Rutherford	186	40.6	378	78.1	333	137.3	224	97.7	2,147	466.3
Sampson	124	32.6	298	76.2	280	141.5	213	116.2	1,732	457.8
Scotland	98	48.5	193	89.8	190	169.8	181	173.0	1,157	543.9
Stanly	160	41.1	316	78.9	291	150.1	220	113.4	1,898	494.1
Stokes	126	39.7	289	87.2	209	126.2	184	115.0	1,544	485.2
Surry	185	38.3	409	79.9	406	154.0	300	124.4	2,475	505.1
Swain	54	60.9	87	86.1	82	170.7	40	87.3	512	552.1
Transylvania	99	35.9	177	56.9	211	143.8	145	94.4	1,231	427.1
Tyrrell	10	33.9	22	74.7	25	197.9	16	118.1	133	479.1
Union	343	35.3	579	61.0	875	157.4	574	122.2	4,559	459.1
Vance	134	50.9	217	77.3	240	162.6	152	121.7	1,336	492.2
Wake	1,410	33.8	2,139	56.1	4,141	171.5	2,659	133.0	20,153	476.0
Warren	80	54.9	116	72.5	126	160.0	99	123.5	717	473.2
Washington	51	54.5	65	68.3	63	135.6	65	150.9	434	467.9
Watauga	67	26.0	143	53.3	210	158.9	123	89.3	1,181	447.9
Wayne	304	45.3	553	78.0	555	146.6	435	137.2	3,377	488.2
Wilkes	189	39.6	384	77.5	289	119.0	310	130.2	2,151	450.7
Wilson	166	33.2	360	71.7	406	155.4	258	109.3	2,282	462.8
Yadkin	86	34.4	213	81.3	192	144.4	157	132.0	1,198	476.6
Yancey	41	28.4	130	90.1	102	151.2	66	94.3	664	480.1

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