

In partnership with the Onslow County Health Department and Onslow Memorial Hospital

2016

Onslow County
Community Health
Needs
Assessment



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1 Overview of Data Book 2

1.1 ANALYSIS OF SECONDARY DATA

A community health assessment requires evaluation of primary and secondary data.

Primary data is collected from community members specifically for purposes of the current community health assessment. Examples include the Health Opinion Survey and Listening Groups. These results are provided in Data Book 1.

Data Book 2 summarizes secondary data. Secondary data includes information about the population, environment, and population health. This information is collected on the local, state, and national levels. Examples include the US Census, Community Health Rankings, and others as delineated in the Community Health Assessment Secondary Data and Recommended Sources provided by the North Carolina Division of Public Health.

1.2 COMPARISON WITH PEER COUNTIES AND STATE

For comparison purposes, most of the health indicators in Data Book 2 are presented for Onslow, NC overall, and the NC peer counties. In accordance with new guidelines (effective 25June2014) provided by the North Carolina Division of Public Health (NC DPH), secondary data must be compared to peer counties, unless the agency is involved in a regional approach.¹ This comparison addresses the Accreditation Activity 1.1.j, which is to “compare selected local data with data from other jurisdictions,” specifically, “compare select health data with peer counties and state data.”²

The methodology for determining peer counties included an assessment of population size, population groupings established by the National Association of and City Health Officials (NACCHO), poverty estimates, percentage of population living below the poverty line, age (less than 18 years, 65 years or older), and population density. A detailed summary of these methods can be found among the NC DPH Community Health Assessment resources.³

Onslow is included in Peer Group B with Cabarrus, Catawba, Henderson, Iredell, and Union counties based on the population information provided below:

NC Peer Counties, Group B: Cabarrus, Catawba, Henderson, Iredell, Onslow, & Union

Population size	106,740 – 201,292
Individuals living below poverty level	9.2% - 15.8%
Population under 18 years	21% - 30%
Population 65 years and over	7% - 22%
Population density (people per square mile)	233 - 492

¹North Carolina Division of Public Health. Community Health Assessment. CHA Highlights.

[<http://publichealth.nc.gov/lhd/cha/>]

² NC DPH. CHA Guidebook [<http://publichealth.nc.gov/lhd/cha/docs/guidebook/CHA-DataList-01042013.pdf>]

³ NC DPH. CHA Resources. HealthStat Peer Counties [<http://publichealth.nc.gov/lhd/cha/docs/PeerCounties.pdf>]

2 Overview: County Health Rankings

The Health Rankings are provided by the Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute's *County Health Rankings & Roadmaps* program.⁴ Using a variety of measures from state and national data sources, the *Health Rankings* are standardized and combined using scientifically-informed weights. Health Rankings provide a numerical ranking of various Health Outcomes (e.g., Length and Quality of Life) and Health Factors (e.g., Health Behaviors, Clinical Care).

⁴ Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

2.1 COUNTY HEALTH RANKINGS - OVERALL HEALTH OUTCOMES AND FACTORS, STATEWIDE

	Health Outcomes	Health Factors		Health Outcomes	Health Factors		Health Outcomes	Health Factors		Health Outcomes	Health Factors
Wake	1	2	Gates	26	45	Burke	51	43	Chowan	76	69
Orange	2	1	Carteret	27	18	Washington	52	84	Rockingham	77	80
Union	3	3	Johnston	28	47	Perquimans	53	42	Sampson	78	82
Camden	4	4	Pamlico	29	23	Franklin	54	58	Montgomery	79	73
Mecklenburg	5	12	Jackson	30	63	Davidson	55	35	Cleveland	80	66
Watauga	6	20	Mitchell	31	48	McDowell	56	46	Warren	81	92
Dare	7	17	Alexander	32	33	Person	57	59	Jones	82	41
Chatham	8	5	Pender	33	36	Yadkin	58	53	Martin	83	79
Polk	9	11	Catawba	34	25	Pitt	59	57	Cherokee	84	37
Currituck	10	19	Granville	35	44	Ashe	60	56	Lenoir	85	77
Madison	11	29	Craven	36	21	Wayne	61	71	Bertie	86	83
Henderson	12	6	Stanly	37	27	Duplin	62	86	Tyrrell	87	85
Cabarrus	13	9	Stokes	38	54	Wilkes	63	50	Graham	88	81
New Hanover	14	10	Haywood	39	22	Caswell	64	72	Hertford	89	76
Durham	15	15	Macon	40	39	Nash	65	61	Richmond	90	95
Transylvania	16	8	Clay	41	32	Hoke	66	90	Bladen	91	94
Buncombe	17	7	Yancey	42	30	Gaston	67	67	Swain	92	93
Davie	18	13	Forsyth	43	34	Greene	68	78	Northampton	93	87
Avery	19	52	Pasquotank	44	49	Caldwell	69	65	Anson	94	89
Alleghany	20	51	Brunswick	45	31	Lee	70	64	Edgecombe	95	97
Guilford	21	26	Surry	46	38	Beaufort	71	62	Columbus	96	88
Iredell	22	16	Randolph	47	55	Wilson	72	91	Halifax	97	96
Moore	23	14	Alamance	48	40	Rutherford	73	75	Vance	98	98
Lincoln	24	24	Harnett	49	74	Rowan	74	68	Scotland	99	99
Onslow	25	28	Hyde	50	60	Cumberland	75	70	Robeson	100	100

1 is the best, 100 is the worst.

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

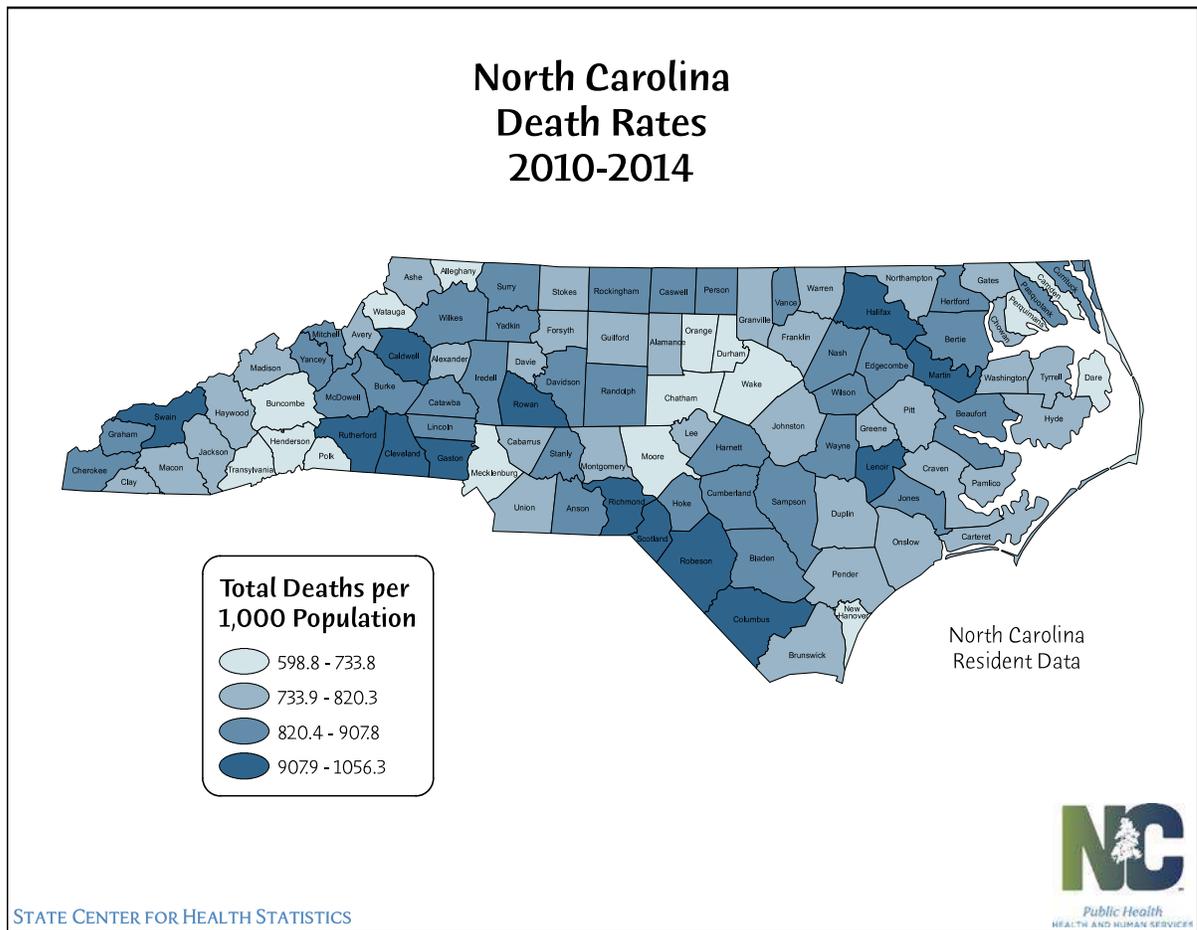
2.2 COUNTY HEALTH RANKINGS FOR HEALTH OUTCOMES AND HEALTH FACTORS - PEER COUNTIES

	North Carolina	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union
Length of Life Rank		23	12	42	24	28	4
% Poor or fair health	19	18	16	16	15	15	15
Poor mental health days	3.7	3.8	3.6	3.6	3.6	3.6	3.5
% Adult smoking	19	20	18	19	16	17	17
% Adult obesity	29	26	28	31	29	28	27
% Excessive drinking	15	19	15	15	14	16	16
% Alcohol-impaired driving deaths	33	38	19	48	17	34	32
Teen birth rate	39	66	36	46	44	37	28
Clinical Care Rank		40	15	16	22	39	23
Primary care physician ratio	1414:1	3308:1	1052:1	1395:1	1191:1	1496:1	1758:1
Dentist ratio	1909:1	1097:1	2372:1	2033:1	1985:1	1961:1	4048:1
Mental health provider ratio	444:1	508:1	401:1	489:1	579:1	545:1	871:1
Preventable hospital rate	51	59	53	39	35	62	49
Social & Economic Factors Rank		6	5	19	7	13	3
% Unemployment	6.1	5.9	5.6	6.3	4.8	6.1	5.1
% Children in poverty	24	20	17	23	22	19	15
Injury death rate	63	54	63	76	87	65	42
Physical Environment		13	81	36	66	85	19
Drinking water violations		Yes	Yes	No	Yes	Yes	No
Demographics							
% 65 and older	14.7	8.4	12.5	16.2	24.5	14.6	11.3
% Rural	33.9	26.3	19.3	30.3	33.3	37.9	27.3
Health Outcomes Rank							
% Diabetes	11	7	9	10	11	10	9
Premature age-adjusted mortality rate	362	373	345	392	338	379	284
Child mortality rate	58	79	38	53	46	48	37
Health Behaviors							
Motor vehicle crash death rate	15	14	11	16	11	16	12

	North Carolina	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union
Drug poisoning death rate	13	12	15	18	16	15	8
Health Care							
Other primary care providers ratio	1134:1	1251:1	1325:1	893:1	1079:1	1119:1	2208:1
Social and Economic Factors							
% Children eligible for free lunch	47	--	40	47	46	33	28

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

3 Overall Mortality



Source: NC SCHS. [<http://www.schs.state.nc.us/data/hsa/vital.htm>]

3.1 PREMATURE DEATH

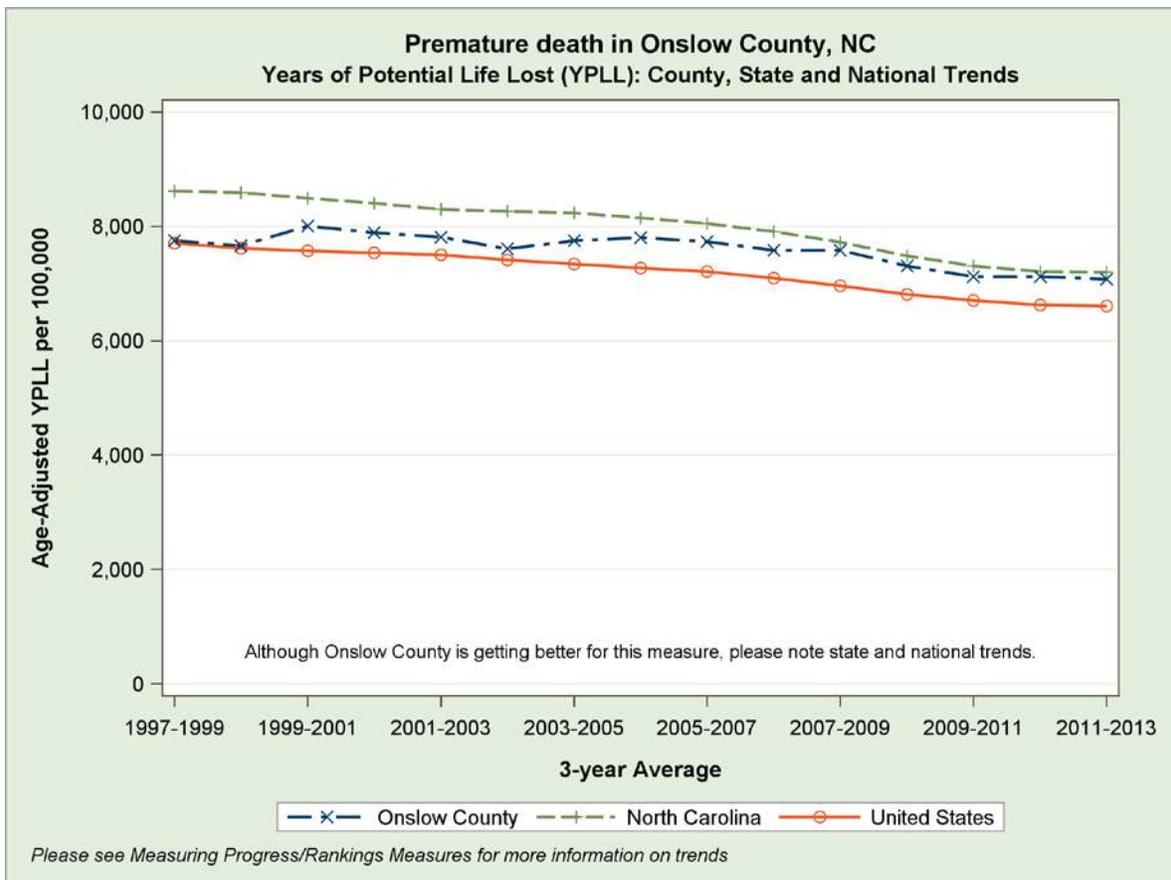
Premature Death, 2011-2013, age adjusted, per 100,000 population

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
Premature death*	7077	6242	7660	7078	7215	5193	7200
Premature age-adjusted mortality**	373	345	392	338	379	284	362

*Years of potential life lost before age 75 per 100,000 population (age-adjusted)

**Number of deaths among residents under age 75 per 100,000 population (age-adjusted)

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]



Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

4 Leading Causes of Death

Leading causes of death for Onslow, Peer Counties, and the state of North Carolina for 2014. Presented for all ages, all races, both genders, and Hispanic, N-H, and Unknown Hispanic ethnicity. **Source:** State Center for Health Statistics, North Carolina

Onslow

Rank	Cause	Number	%
1	Cancer	239	23.3
2	Diseases of the Heart	208	20.3
3	Chronic lower respiratory	63	6.2
4	Cerebrovascular diseases	49	4.8
5	Intentional self-harm (suicide)	36	3.5
6	All other unintentional injuries	31	3.0
	Diabetes mellitus	31	3.0
8	Septicemia	28	2.7
9	Nephritis, nephrotic syndrome and nephrosis	25	2.4
10	Alzheimer's disease	23	2.2
	Motor vehicle injuries	23	2.2
	All other causes (residual)	268	26.4
Total Deaths -- All Causes		1024	100.0

North Carolina – All Counties

Rank	Cause	Number	%
1	Cancer	19301	22.7
2	Diseases of heart	17547	20.6
3	Chronic lower respiratory diseases	5020	5.9
4	Cerebrovascular diseases	4691	5.5
5	Alzheimer's disease	3240	3.8
6	All other unintentional injuries	3152	3.7
7	Diabetes mellitus	2685	3.2
8	Influenza and pneumonia	1869	2.2
9	Nephritis, nephrotic syndrome and nephrosis	1790	2.1
10	Motor vehicle injuries	1386	1.6
	All other causes (Residual)	24531	28.7
Total Deaths -- All Causes		85212	100

5 Cancer

5.1 CANCER INCIDENCE RATES

Cancer Incidence Rates For Selected Sites Per 100,000 Population, 2009-2013, Age-Adjusted to the 2000 US Census

	Colon/ Rectum		Lung/ Bronchus		Female Breast		Prostate		All Cancers	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
Onslow	231	38.9	507	87.2	491	151.6	320	115.6	3,155	510.6
Cabarrus	350	38.7	677	77.5	806	162.7	571	133.6	4,670	515.7
Catawba	358	39.3	632	68.2	758	154.4	507	110.7	4,277	466.2
Henderson	364	42.6	548	60.2	694	162.9	522	126.2	4,101	486.9
Iredell	359	40.0	656	73.9	794	164.7	595	138.8	4,389	492.6
Union	319	34.6	565	63.1	875	164.9	520	115.9	4,384	463.3
NC	20,240	38.5	37,831	70.9	45,146	157.9	33,115	130.6	256,989	483.4

Source: NC Central Cancer Registry, 6/2016 <http://www.schs.state.nc.us/schs/CCR/incidence/2013/5yearRates.pdf>
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#vintage2013.

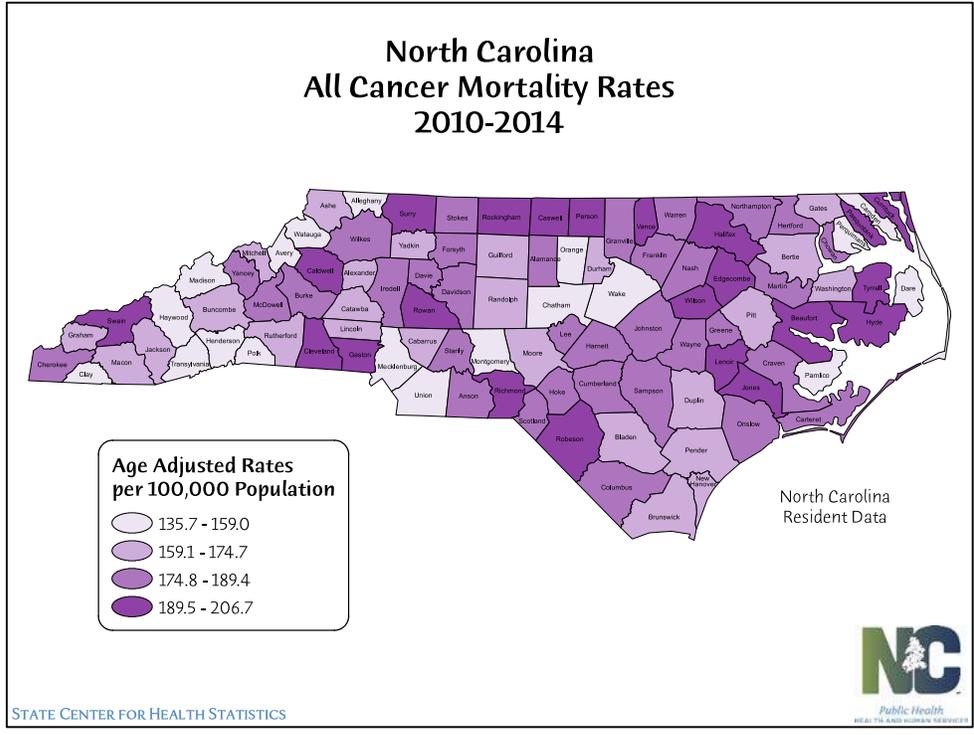
5.2 CANCER MORTALITY RATES

Cancer Mortality Rates For Selected Sites Per 100,000 Population, 2010-2014, Age-Adjusted to the 2000 US Census

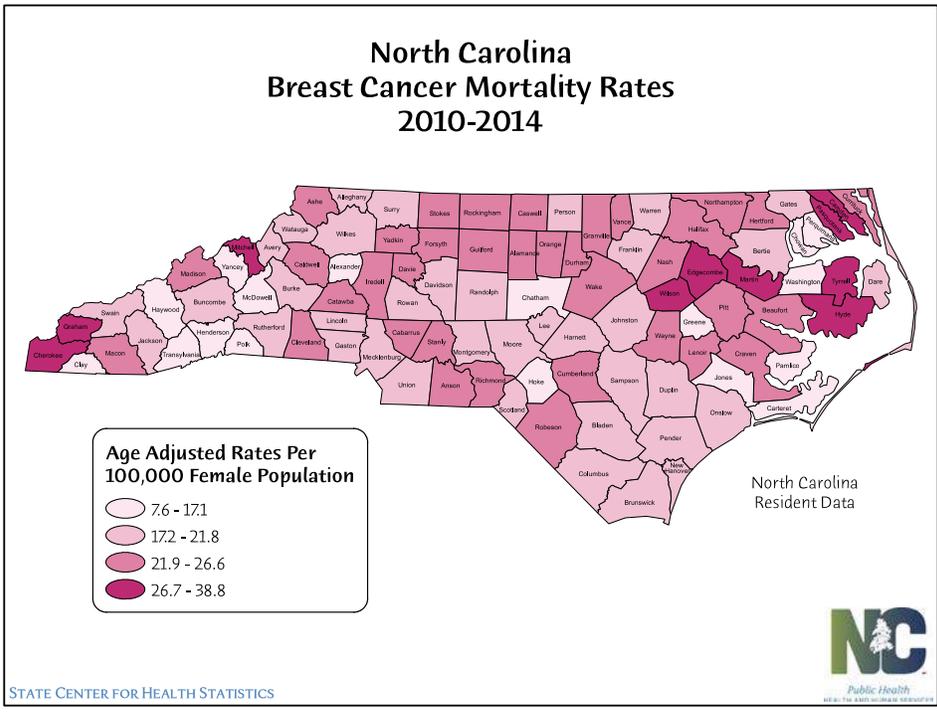
	Colon/ Rectum		Lung/ Bronchus		Female Breast		Prostate		All Cancers	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
Onslow	64	11.1	352	59.6	67	20.1	39	19.1	1071	181.2
Cabarrus	131	14.4	453	50.6	117	22.9	67	20.3	1546	172.3
Catawba	151	16.5	482	51.4	122	22.6	58	16.9	1,615	174.4
Henderson	115	12.4	410	43.4	74	15.2	63	15.5	1,413	152.4
Iredell	134	15.1	462	51.0	109	21.9	60	19.1	1,568	176.9
Union	116	13.2	425	46.7	98	18.7	67	21.8	1,436	158.8
NC	7,529	14.1	27,581	50.6	6,491	21.6	4,338	21.5	92,542	171.1

Source: NC Central Cancer Registry, 6/2016 <http://www.schs.state.nc.us/schs/CCR/mort1014cnty.pdf>

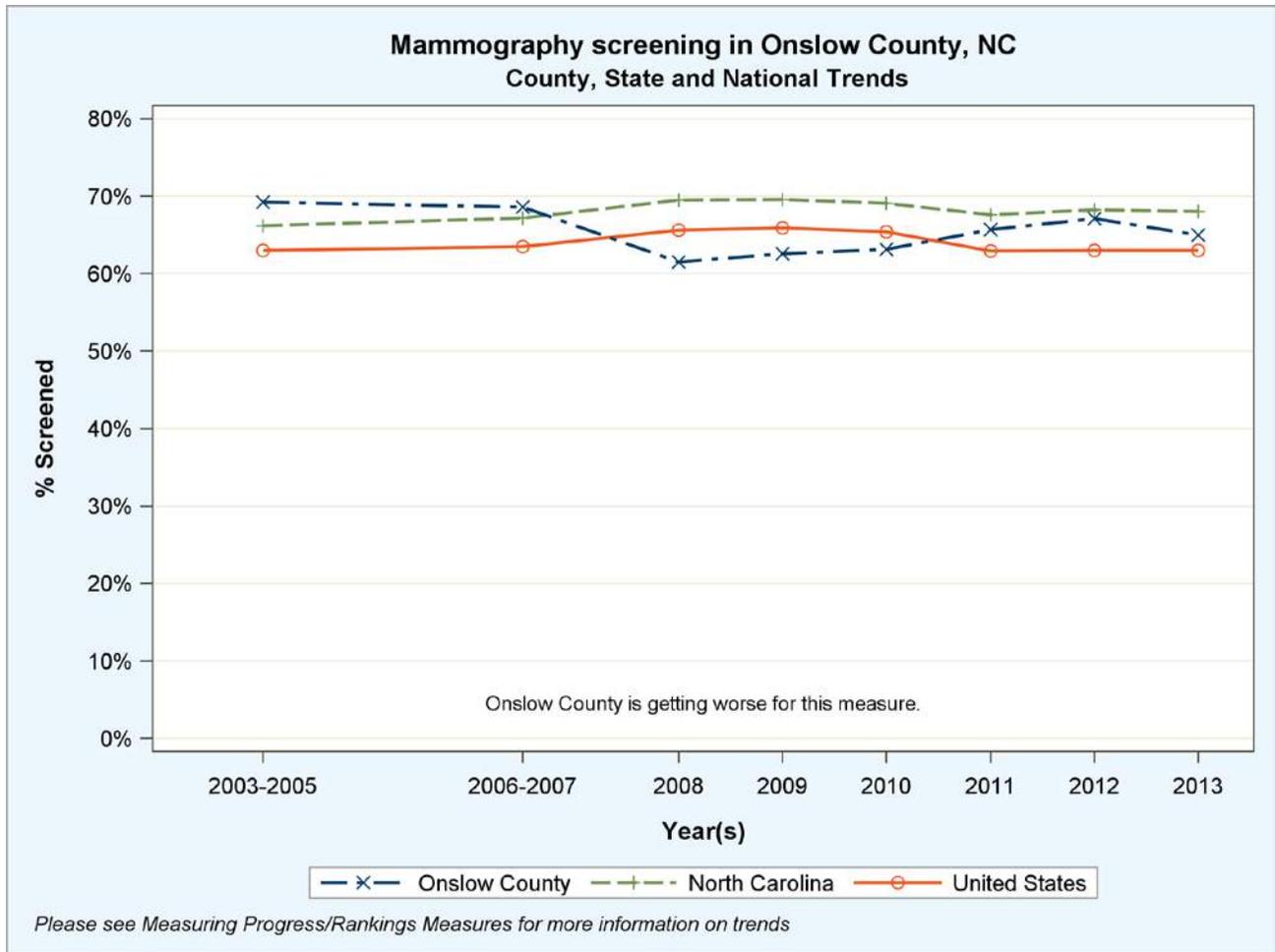
All Types



Breast Cancer Deaths



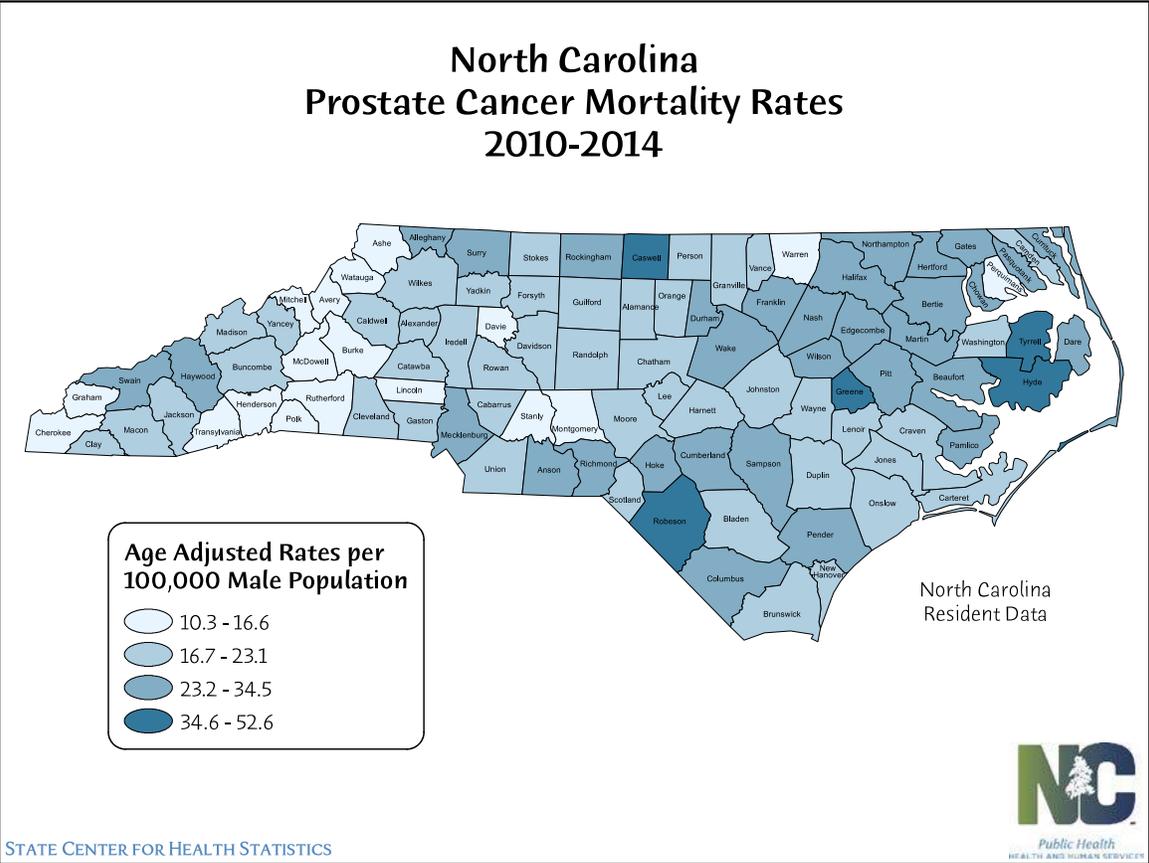
<http://www.schs.state.nc.us/data/hsa/cancer.htm>



Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

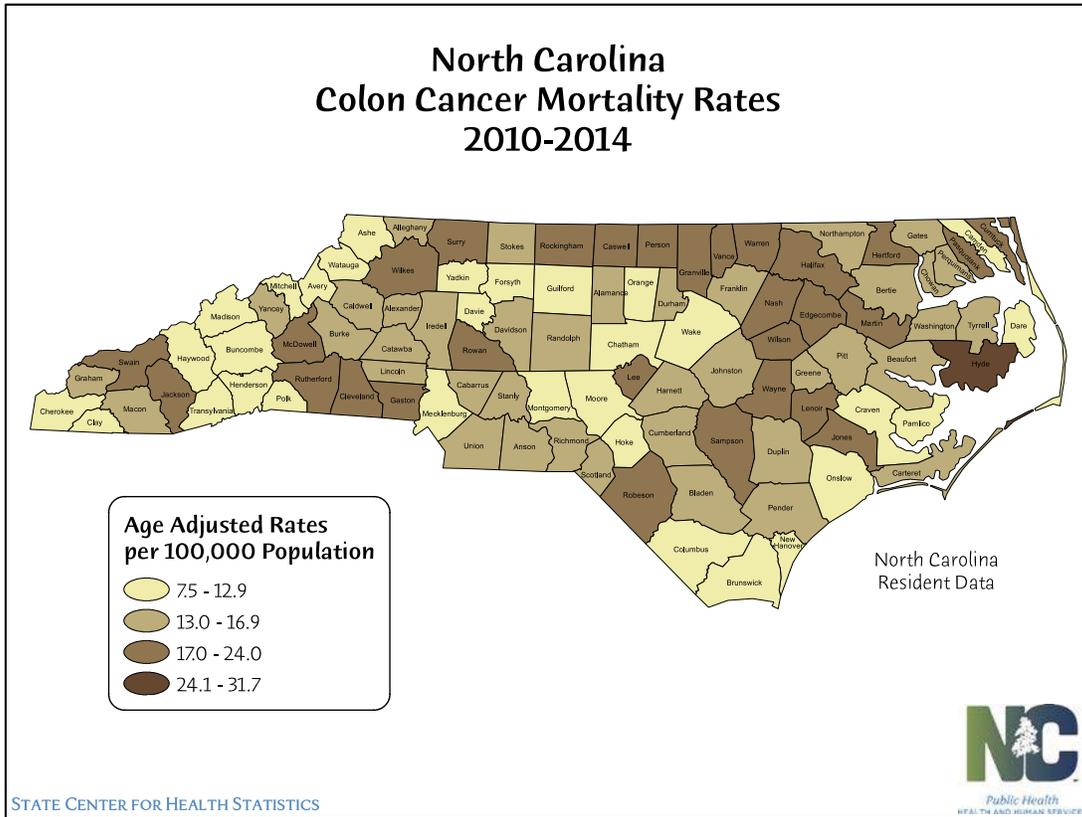
	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	NC
Mammography screening							
Percentage of female Medicare enrollees ages 67-69 that receive mammography screening	65%	68%	68%	69%	67%	65%	68%

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

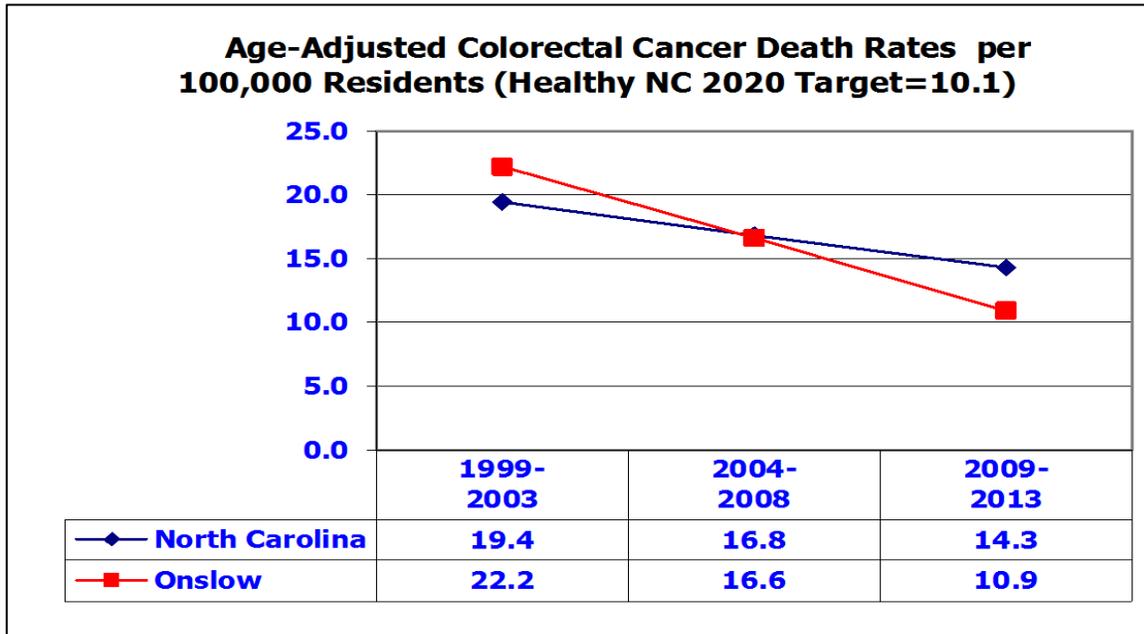


North Carolina State Center for Health Statistics. Cancer Incidence and Mortality. [http://www.schs.state.nc.us/data/hsa/cancer.htm]

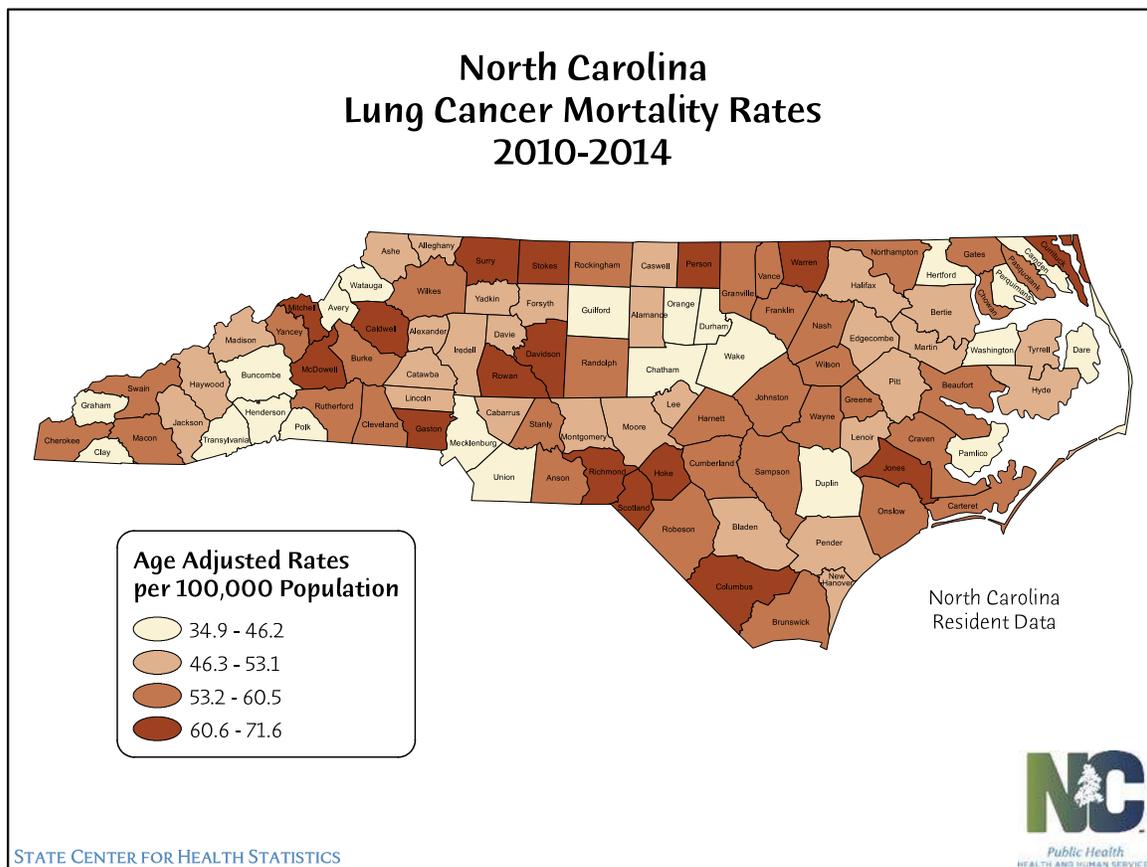
Colon Cancer



North Carolina State Center for Health Statistics. Cancer Incidence and Mortality. [<http://www.schs.state.nc.us/data/hsa/cancer.htm>]



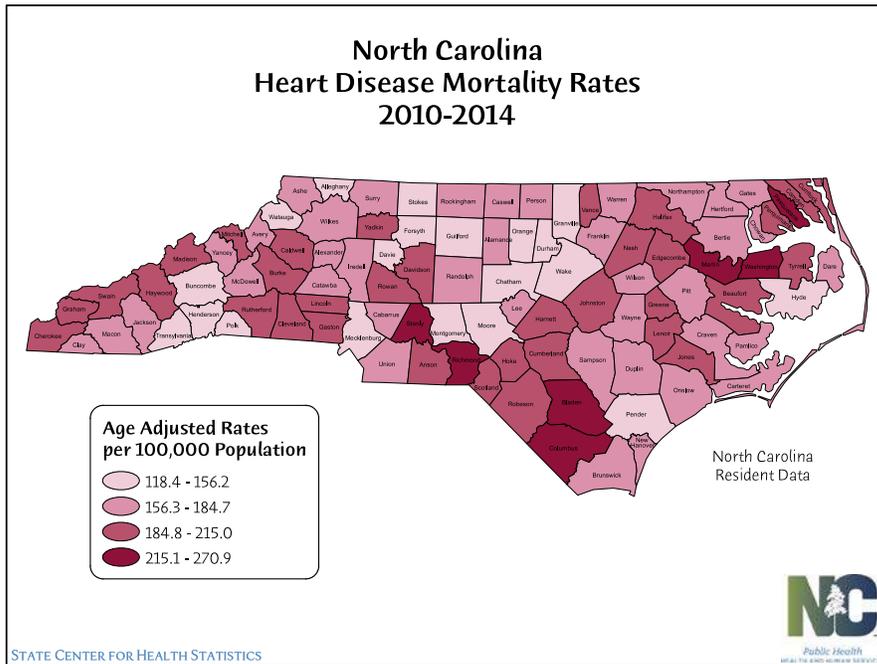
Source: NC SCHS. Trends in Key Health Indicators. North Carolina Statewide and County [<http://www.schs.state.nc.us/data/keyindicators/reports/Onslow.pdf>]



North Carolina State Center for Health Statistics. Cancer Incidence and Mortality.
[\[http://www.schs.state.nc.us/data/hsa/cancer.htm\]](http://www.schs.state.nc.us/data/hsa/cancer.htm)

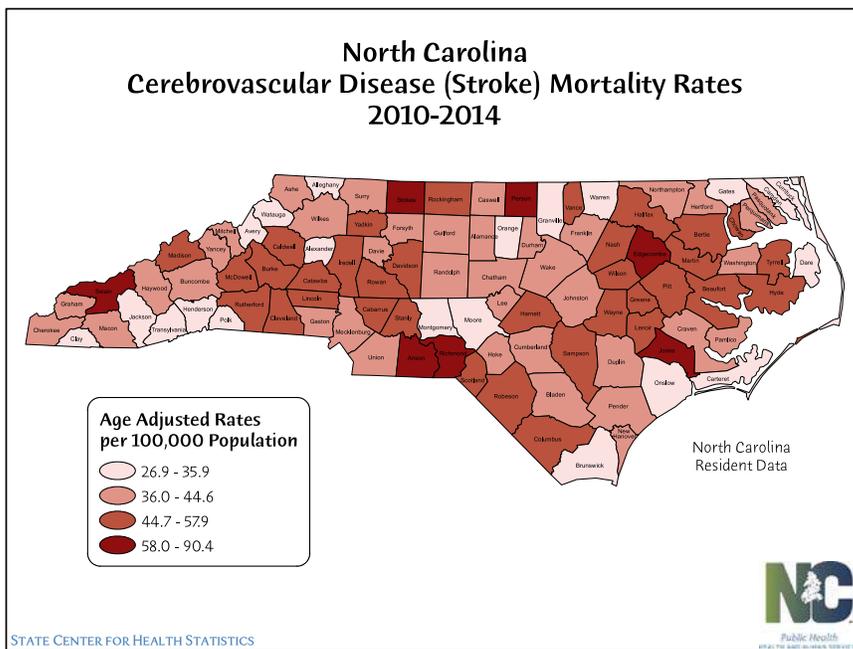
6 Chronic Disease

6.1 HEART DISEASE DEATHS



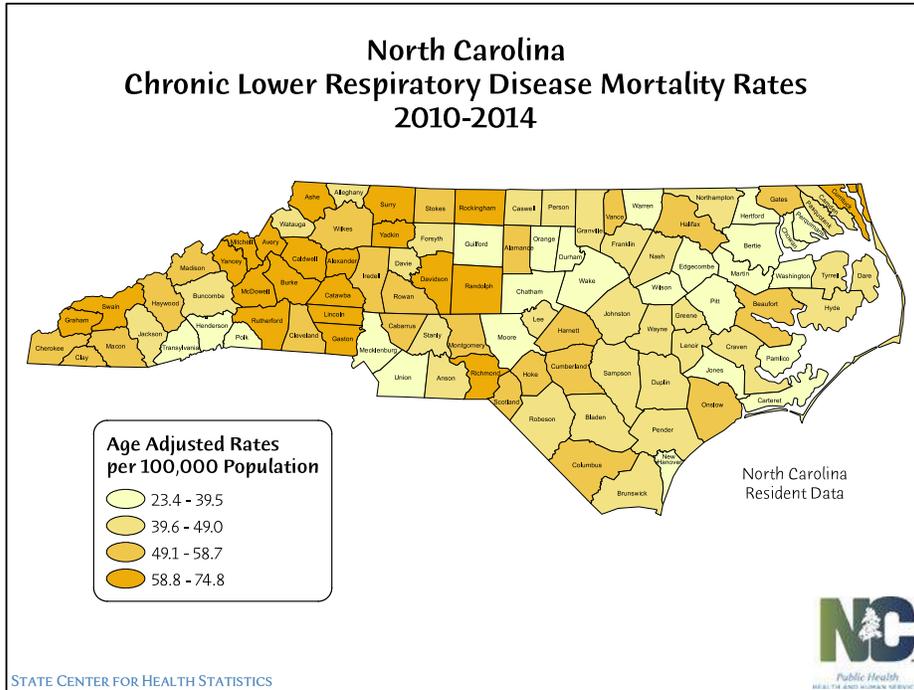
North Carolina State Center for Health Statistics. Vital Statistics.
[<http://www.schs.state.nc.us/data/hsa/vital.htm>]

6.2 CEREBROVASCULAR DISEASE (STROKE) DEATH RATES



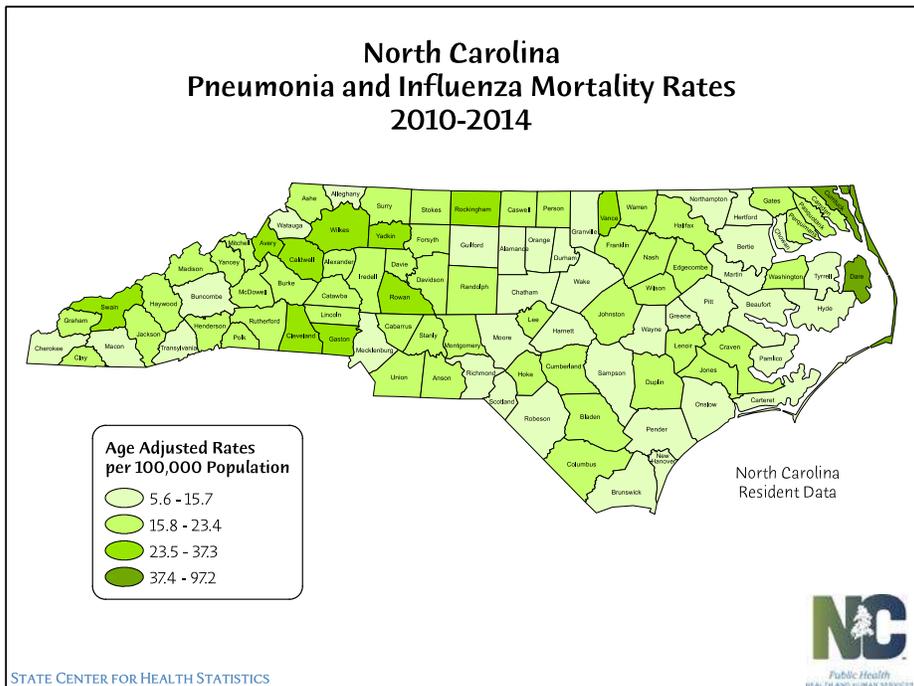
North Carolina State Center for Health Statistics. Vital Statistics.
[<http://www.schs.state.nc.us/data/hsa/vital.htm>]

6.3 CHRONIC LOWER RESPIRATORY DISEASE DEATHS



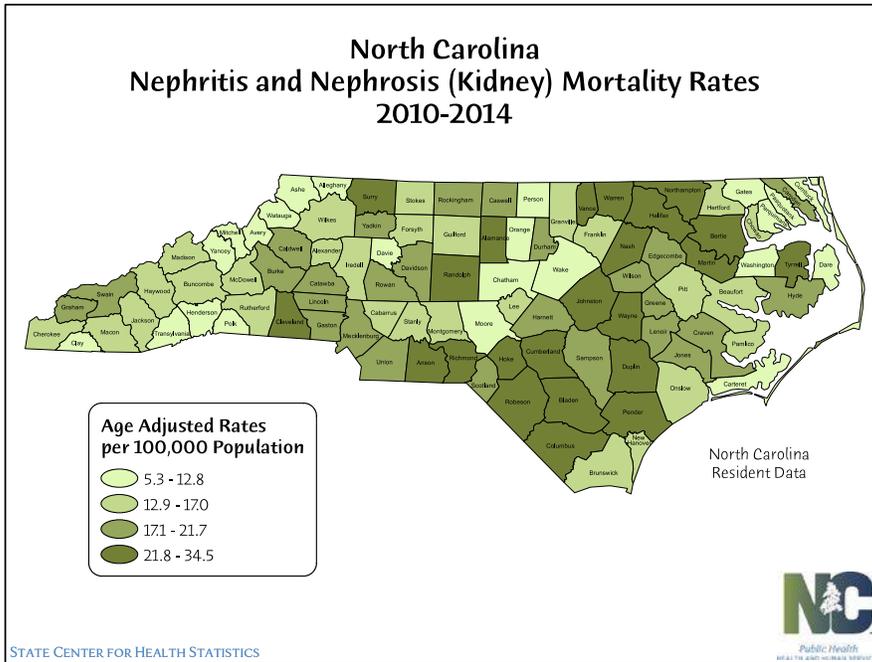
North Carolina State Center for Health Statistics. Vital Statistics.
[<http://www.schs.state.nc.us/data/hsa/vital.htm>]

6.4 PNEUMONIA AND INFLUENZA DEATHS



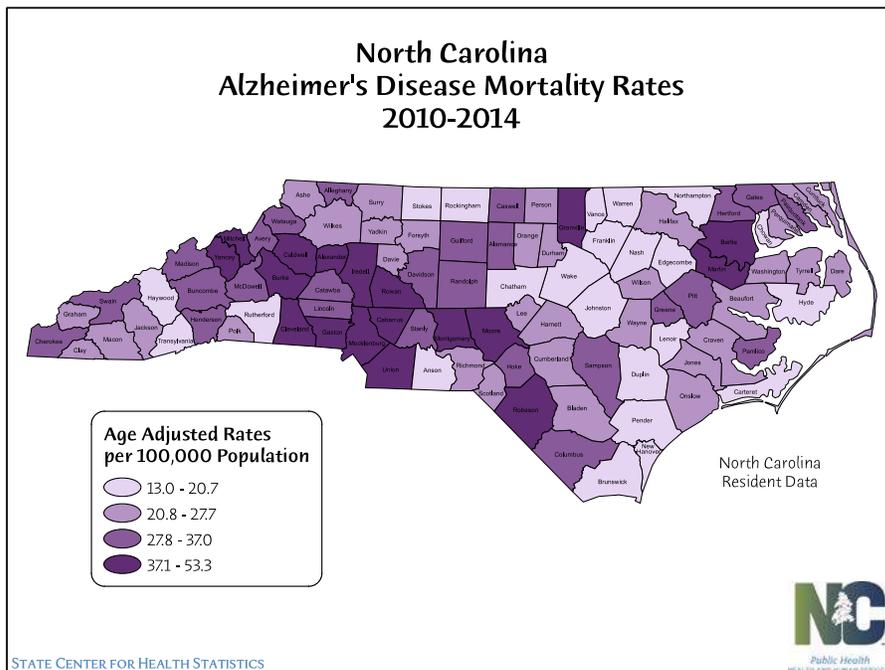
North Carolina State Center for Health Statistics. Vital Statistics.
[<http://www.schs.state.nc.us/data/hsa/vital.htm>]

6.5 NEPHRITIS AND NEPHROSIS (KIDNEY) DEATHS



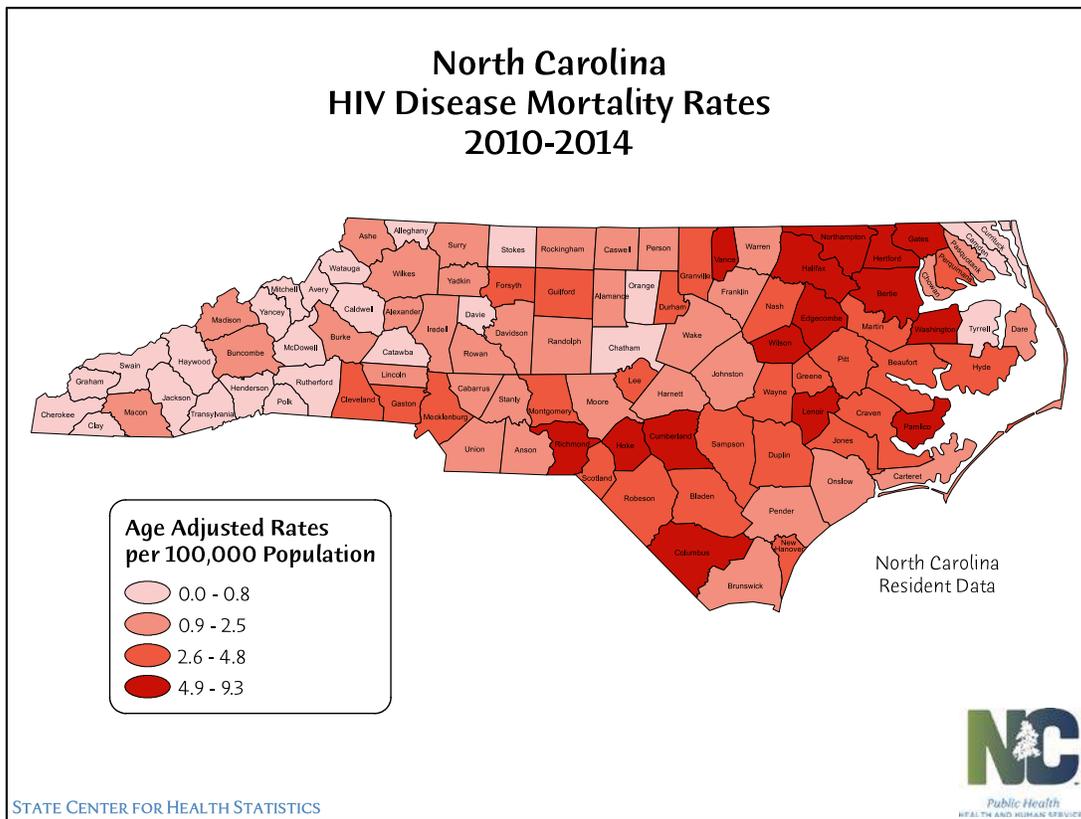
North Carolina State Center for Health Statistics. Vital Statistics.
[<http://www.schs.state.nc.us/data/hsa/vital.htm>]

6.6 ALZHEIMER'S DEATHS



North Carolina State Center for Health Statistics. Vital Statistics.
[<http://www.schs.state.nc.us/data/hsa/vital.htm>]

6.7 HIV DEATHS



North Carolina State Center for Health Statistics. Vital Statistics.
[<http://www.schs.state.nc.us/data/hsa/vital.htm>]

6.8 INJURY-RELATED MORTALITY

Injury Deaths per 100,000 population, 2009-2013		
	No. Deaths 2009-2013	Age-Adjusted Death Rate* 2009-2013
Onslow	486	54
Cabarrus	572	63
Catawba	589	76
Henderson	470	87
Iredell	528	65
Union	432	42
NC	30,490	63

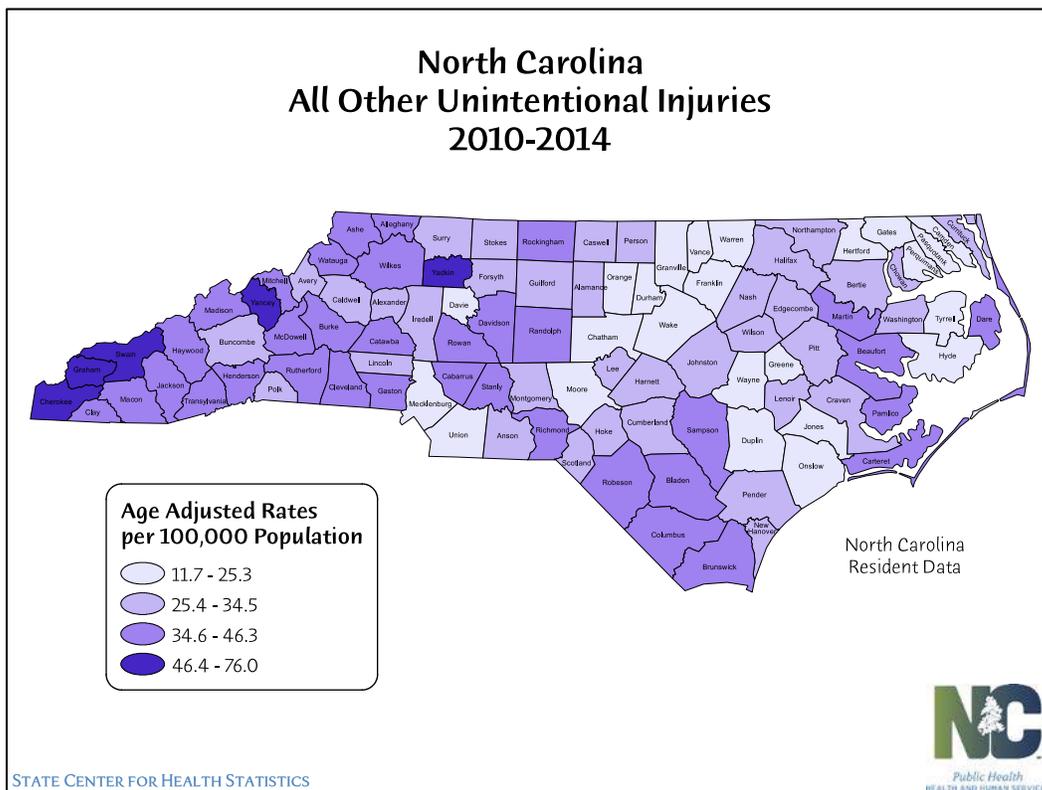
*Per 100,000 population

Drug Poisoning Deaths per 100,000 population, 2012-2014		
	No. Deaths 2012-2014	Age-Adjusted Death Rate* 2012-2014
Onslow	65	12
Cabarrus	84	15
Catawba	82	18
Henderson	54	16
Iredell	74	15
Union	53	8
NC	3,915	13

*Per 100,000 population

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

6.9 UNINTENTIONAL INJURY DEATHS



North Carolina State Center for Health Statistics. Vital Statistics. [<http://www.schs.state.nc.us/data/hsa/vital.htm>]

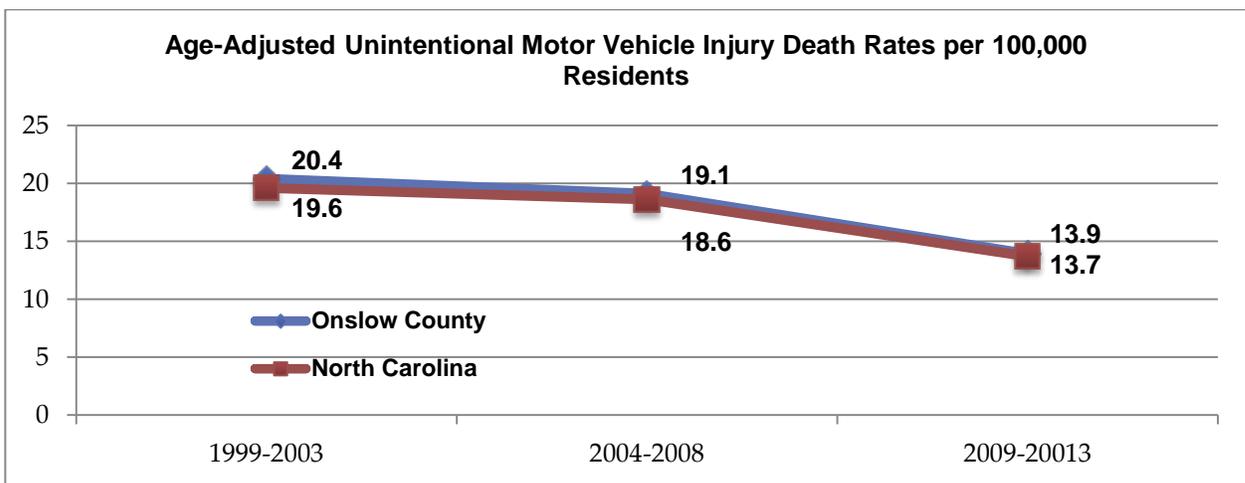
6.10 MOTOR VEHICLE MORTALITY

Deaths from Motor Vehicle Injuries

Deaths from MVA Injury, Age-adjusted per 100,000 residents, 2007-2013

Indicator	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
No. Deaths	178	143	174	83	177	172	9773
Mortality Rate	14	11	16	11	16	12	15

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]



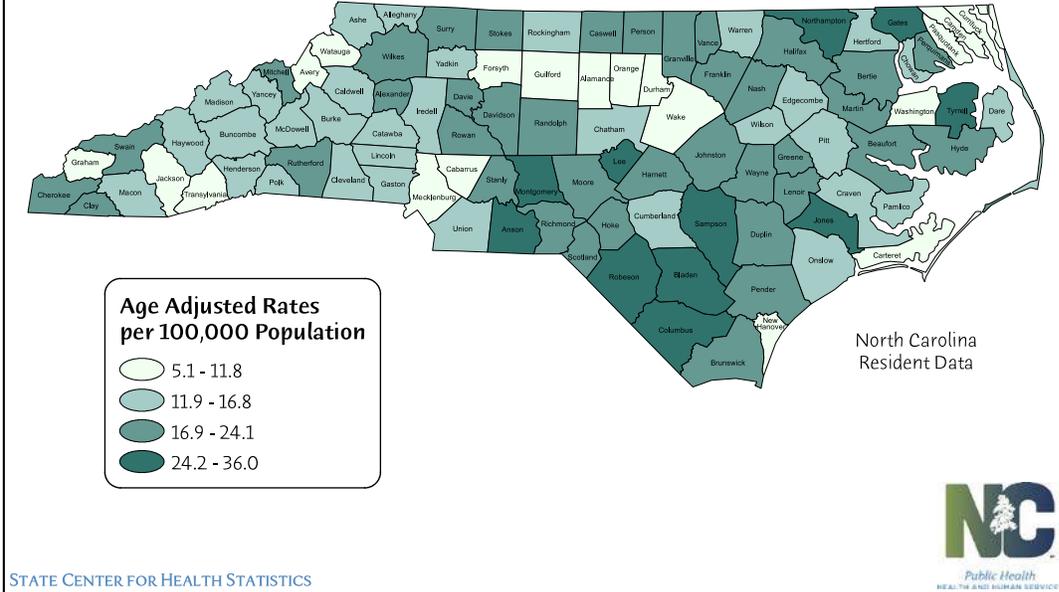
Source: NC SCHS. Trends in Key Health Indicators. North Carolina Statewide and County <http://www.schs.state.nc.us/data/keyindicators/>

	Number of Deaths 2014	Death Rate* 2014	Number of Deaths 2010-2014	Death Rate 2010-2014	Age-Adjusted Death Rate* 2010-2014
North Carolina	1,386	13.9	6,679	13.7	13.5
Onslow	23	12.3*	111	12.2	13.2
Cabarrus	17	8.8*	86	9.3	9.8
Catawba	24	15.5*	119	15.4	15.8
Henderson	18	16.2*	71	13.1	13.1
Iredell	27	16.2*	129	15.8	15.7
Union	24	11.0*	121	11.6	12.4

*Rates with a small number (<50) of deaths in the numerator should be interpreted with caution.

Source: NC SCHS. <http://www.schs.state.nc.us/data/vital/lcd/2014/motorvehicle.html>

North Carolina Motor Vehicle Injury Mortality Rates 2010-2014



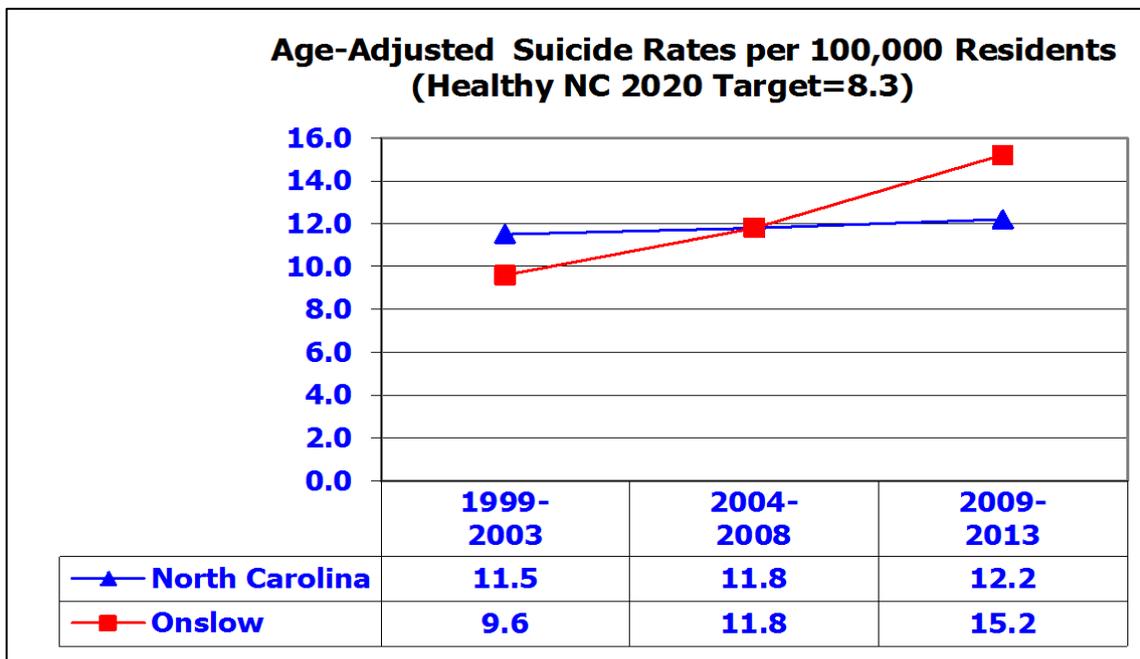
North Carolina State Center for Health Statistics. Vital Statistics.
[\[http://www.schs.state.nc.us/data/hsa/vital.htm\]](http://www.schs.state.nc.us/data/hsa/vital.htm)

6.11 SUICIDE

Suicide Mortality Rates, 2010-2014 (age adjusted)			
	No. Deaths 2014	No. Deaths 2010-2014	Age-Adjusted Death Rate* 2010-2014
Onslow	36	152	17.5
Cabarrus	25	127	13.8
Catawba	25	128	15.8
Henderson	27	109	18.1
Iredell	12	104	12.4
Union	20	108	10.7
NC	1,347	6,256	12.4

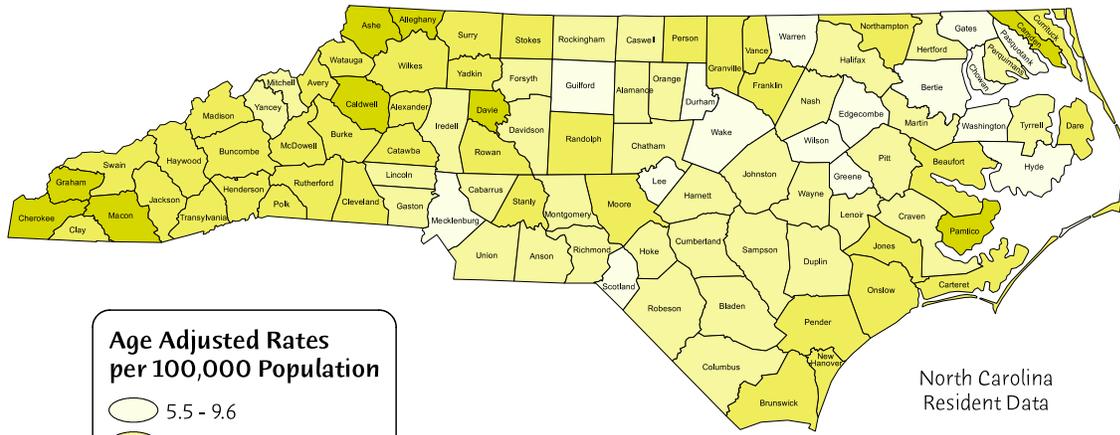
*Per 100,000 population

Source: NC SCHS. <http://www.schs.state.nc.us/data/vital/lcd/2014/suicide.html>



Source: NC SCHS. Trends in Key Health Indicators. North Carolina Statewide and County
[<http://www.schs.state.nc.us/data/keyindicators/reports/Onslow.pdf>]

North Carolina Suicide Mortality Rates 2010-2014



Age Adjusted Rates per 100,000 Population

- 5.5 - 9.6
- 9.7 - 13.9
- 14.0 - 18.3
- 18.4 - 26.6



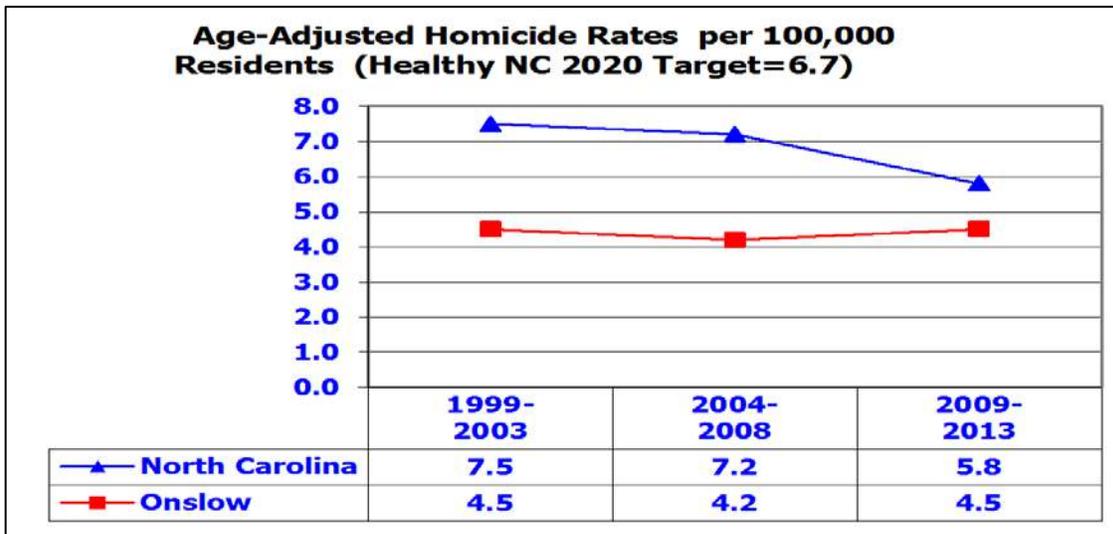
STATE CENTER FOR HEALTH STATISTICS

North Carolina State Center for Health Statistics. Vital Statistics.
[<http://www.schs.state.nc.us/data/hsa/vital.htm>]

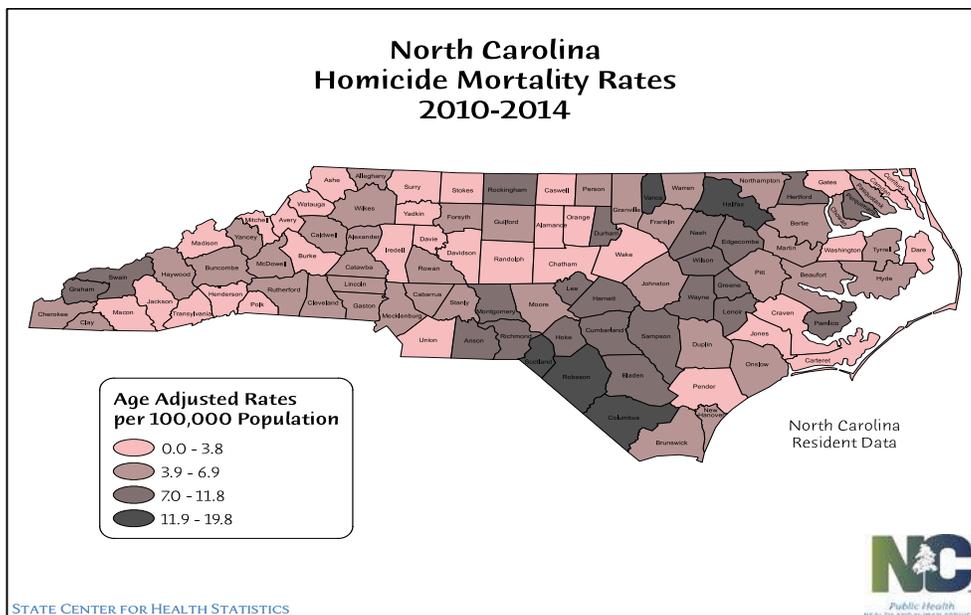
6.12 HOMICIDE

	NC	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union
Homicides No. of homicide deaths per 100,000 population, 2007-2013	6	5	6	8	4	4	4

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]



Source: NC SCHS. Trends in Key Health Indicators. North Carolina Statewide and County [<http://www.schs.state.nc.us/data/keyindicators/reports/Onslow.pdf>]



North Carolina State Center for Health Statistics. Vital Statistics. [<http://www.schs.state.nc.us/data/hsa/vital.htm>]

7 Maternal and Child Health

2010-2014 Infant Death Rates (per 1,000 live births)

Source: NC Department of Health & Human Services State Center for Health Statistics, 2016 County Health Data Book

Infant Mortality Rate

Residence:	White Non-Hispanic	African American Non-Hispanic	Other Non-Hispanic	Hispanic	Total Rate
NORTH CAROLINA	5.4	12.9	5.8	4.9	7.1
ONSLOW	5.1	13.6	*	*	6.6
CABARRUS	4.6	*	*	*	4.7
CATAWBA	4.9	*	*	*	6
HENDERSON	5.2	*	*	*	5.1
IREDELL	4.2	24.1	*	*	7.3
UNION	2.7	15.7	*	*	5.5

Infant Deaths (counts)

Residence:	White Non-Hispanic	African American Non-Hispanic	Other Non-Hispanic	Hispanic	Infant Deaths
NORTH CAROLINA	1,811	1,858	185	441	4,295
ONSLOW	79	37	8	19	143
CABARRUS	33	13	1	7	54
CATAWBA	29	16	3	5	53
HENDERSON	21	1	1	4	27
IREDELL	26	31	4	3	64
UNION	21	27	2	5	65

Births (counts)

Residence:	White Non-Hispanic	African American Non-Hispanic	Other Non-Hispanic	Hispanic	Total Births
NORTH CAROLINA	336,619	143,596	32,007	90,181	602,403
ONSLOW	15,558	2,725	791	2,694	21,768
CABARRUS	7,162	1,964	470	1,977	11,573
CATAWBA	5,934	907	647	1,419	8,907
HENDERSON	4,028	207	111	1,000	5,346
IREDELL	6,188	1,287	393	959	8,827
UNION	7,682	1,716	354	2,154	11,906

7.1 LOW BIRTH WEIGHT

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
Low birth weight Percentage of live births with low birth weight (< 2500 grams) 2007-2013	7%	9%	9%	7%	9%	8%	9%

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

7.2 TEEN BIRTHS

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
Teen births Number of births per 1,000 female population ages 15-19 2007-2013	66	36	46	44	37	8	39

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

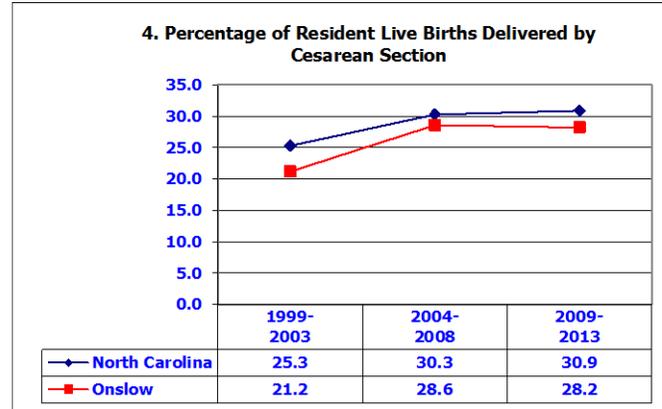
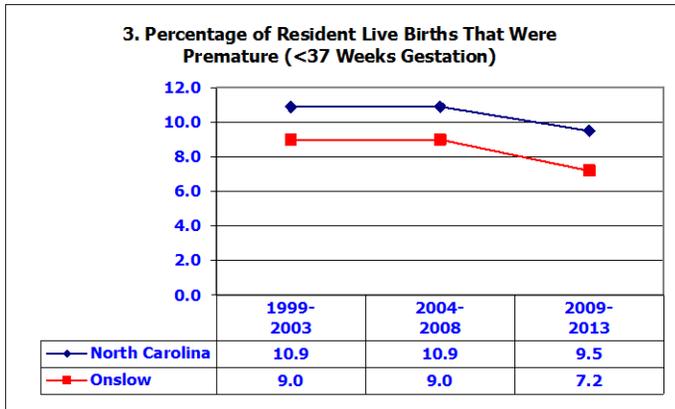
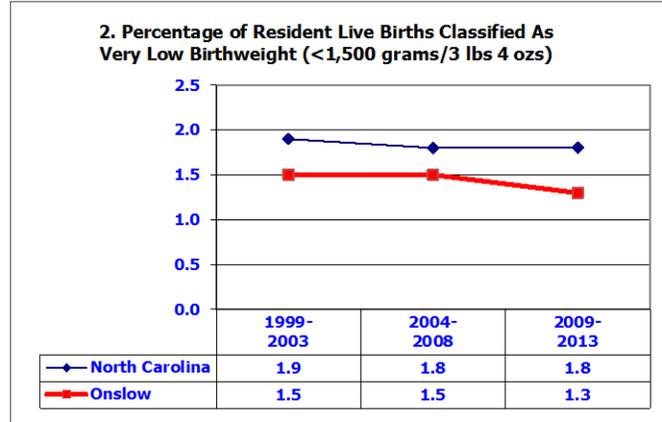
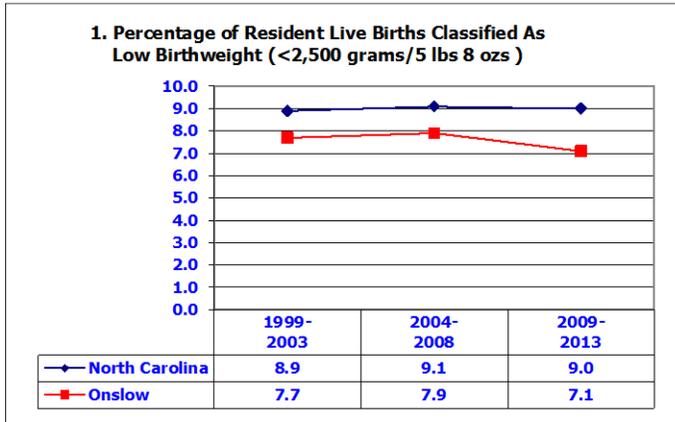
7.3 SMOKING DURING PREGNANCY

County	Number	Percent
Onslow	1321	7.6%
Cabarrus	943	10.2%
Catawba	1121	15.8%
Henderson	449	10.5%
Iredell	862	12.3%
Union	725	7.7%
NC	50,024	10.4%

<http://www.schs.state.nc.us/data/databook/CD7C%20Smoking.html>

NC DHHS State Center for Health Statistics. North Carolina Statewide and County Trends in Key Health Indicators: Onslow County. [<http://www.schs.state.nc.us/data/databook/CD7C%20Smoking.html>]

**NORTH CAROLINA STATEWIDE AND COUNTY TRENDS IN KEY HEALTH INDICATORS:
ONslow COUNTY**



2013 County Population
185,220

% Ages 0-17:
25.6%

% Ages 65+:
8.2%

% NH White:
68.9%

% NH Af.Am.:
16.0%

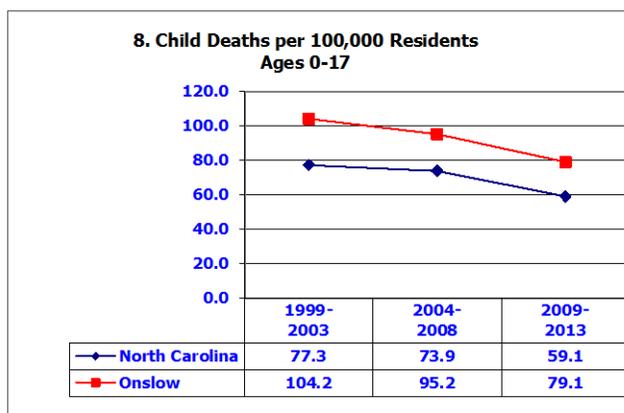
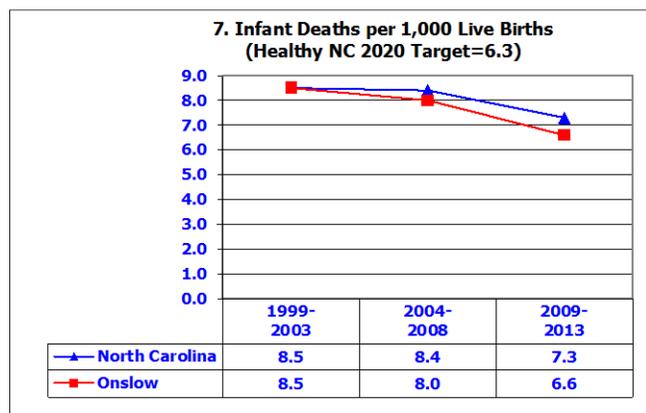
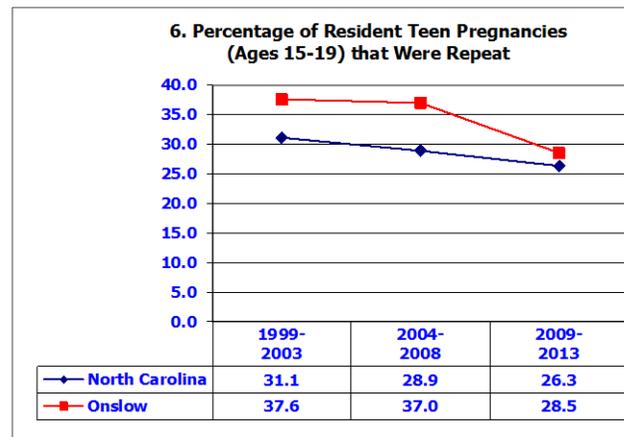
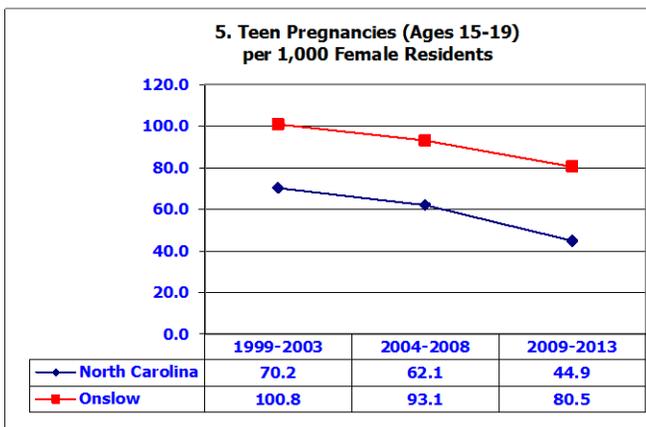
% NH Other:
3.3%

% Hispanic:
11.8%

North Carolina Department of Health and Human Services
Division of Public Health/State Center for Health Statistics

North Carolina County Trends Reports
Published March 2015

**NORTH CAROLINA STATEWIDE AND COUNTY TRENDS IN KEY HEALTH INDICATORS:
ONSWLOW COUNTY**

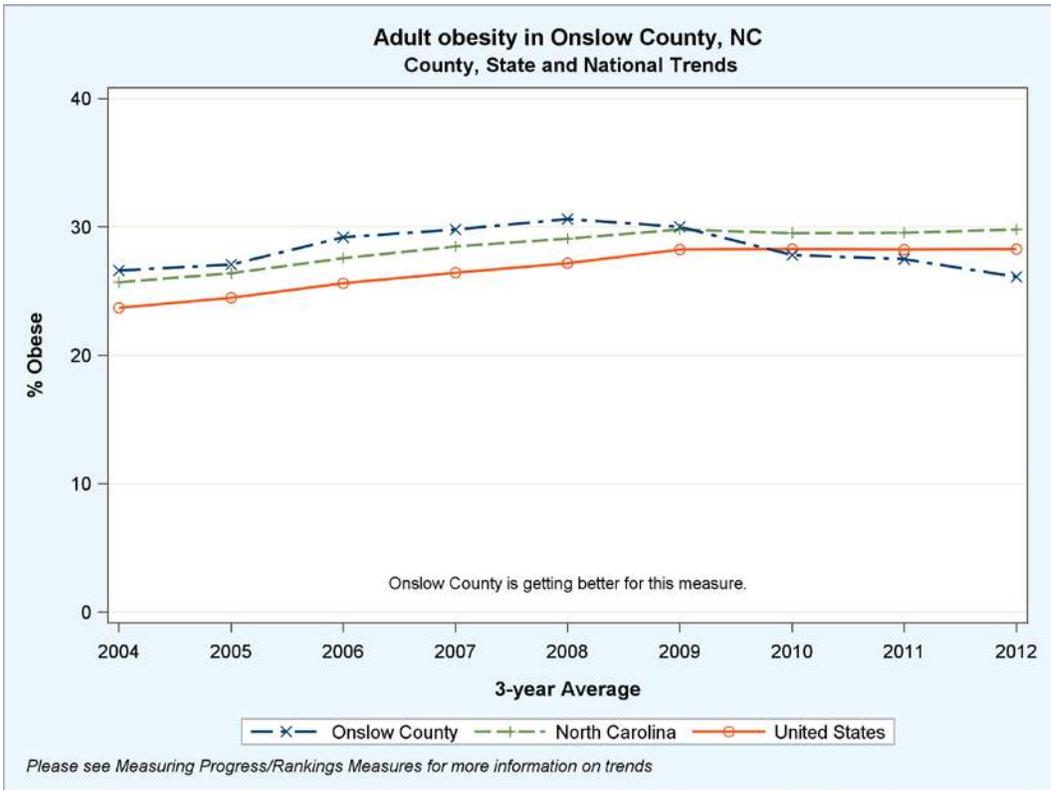


8 Morbidity

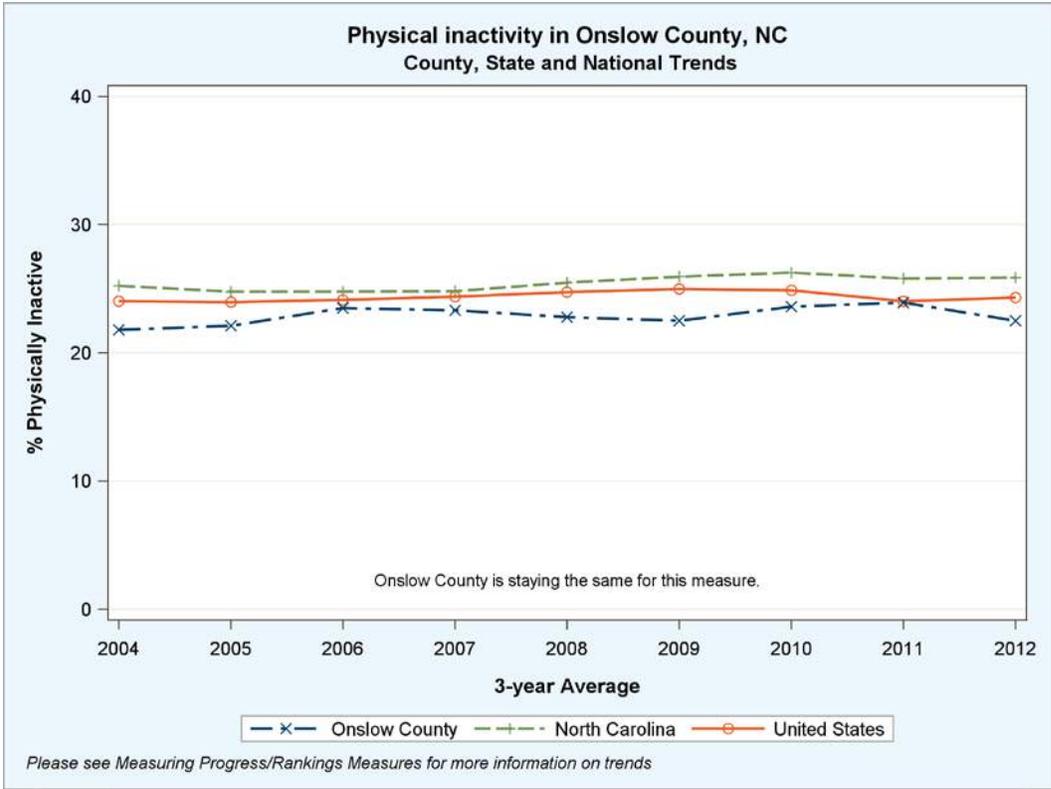
8.1 OBESITY, NUTRITION, AND PHYSICAL ACTIVITY

	<i>Onslow</i>	<i>Cabarrus</i>	<i>Catawba</i>	<i>Henderson</i>	<i>Iredell</i>	<i>Union</i>	<i>North Carolina</i>
Adult obesity % adults reporting BMI of 30 or more, 2012	26%	28%	31%	29%	28%	27%	29%
Food environment index Index of factors contributing to healthy food environment, 0 (worst) - 10 (best), 2012-2013	6.3	7.3	6.6	24	7.3	8.2	6.7
Physical inactivity % adults aged 20 and over reporting no leisure-time physical activity, 2012	23%	24%	30%	28%	23%	19%	25%
Access to exercise opportunities % population with adequate access to locations for physical activity, 2014	61%	80%	62%	14%	73%	68%	75%
Food insecurity % population who lack adequate access to food, 2013	17%	15%	16%	13%	15%	12%	18%
Limited access to healthy foods % population who are low-income & do not live near a grocery store, 2010	11%	6%	10%	5%	5%	4%	7%

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]



Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]



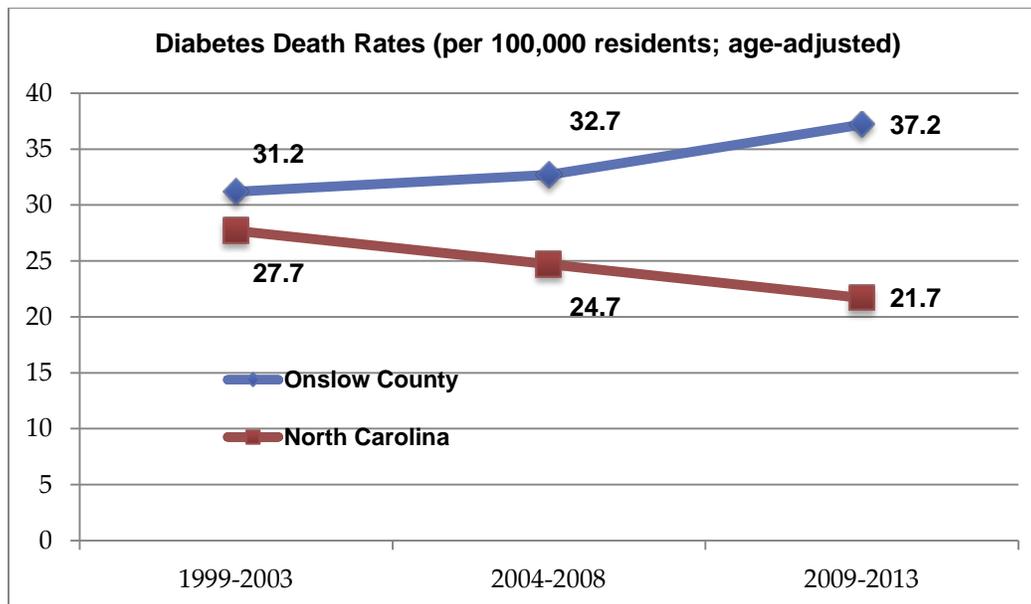
Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

8.2 DIABETES

Diabetes Deaths

Residence	Number of Deaths	Age-Adjusted Death Rate
Onslow	195	34.3
Cabarrus	196	21.4
Catawba	202	22.2
Henderson	106	12.2
Iredell	191	21.1
Union	133	14.4
NC	11,798	22.1

Source: NC SCHS. Trends in Key Health Indicators. North Carolina Statewide and County <http://www.schs.state.nc.us/data/keyindicators/>

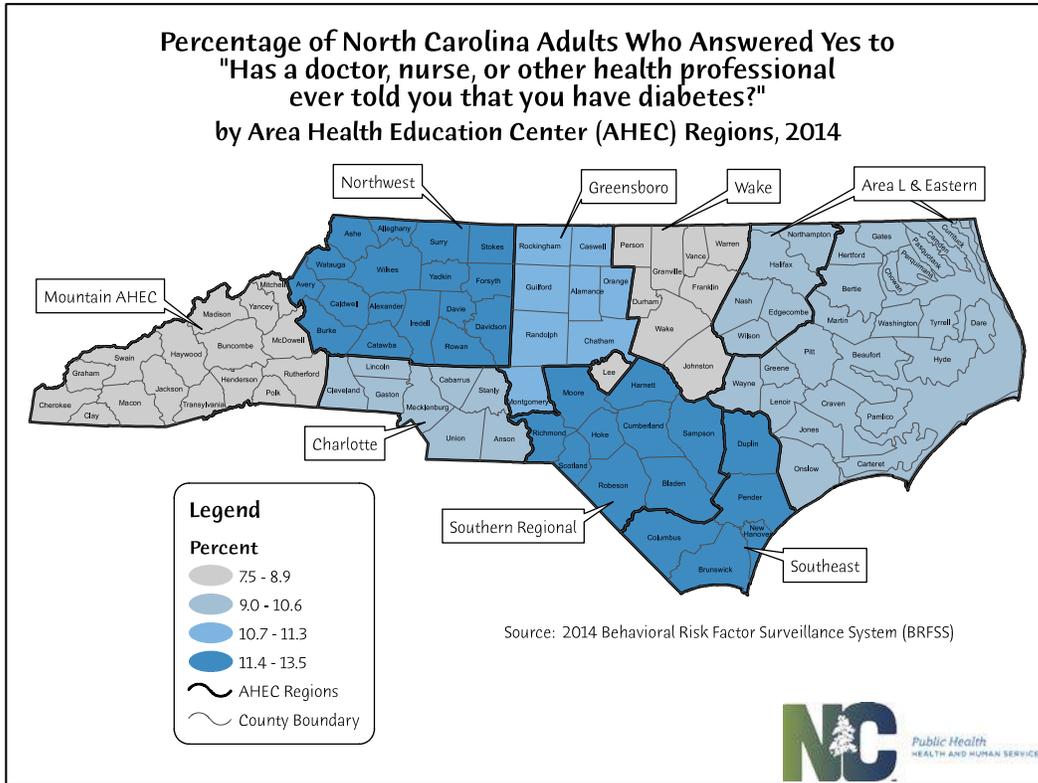


Source: NC SCHS. Trends in Key Health Indicators. North Carolina Statewide and County <http://www.schs.state.nc.us/data/keyindicators/>

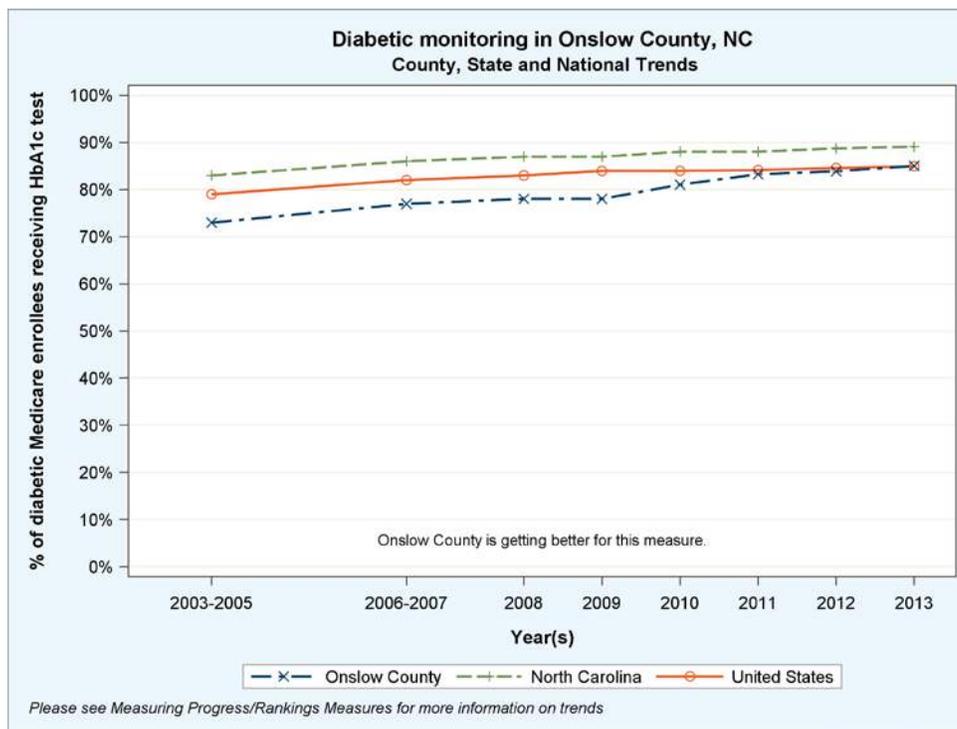
Diabetes Prevalence and Monitoring

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	NC
Diabetes, 2012 % adults aged 20+ with diagnosed diabetes	7%	9%	10%	11%	10%	9%	11%
Diabetic monitoring 2013 % diabetic Medicare enrollees ages 65-75 that receive HbA1c monitoring	85%	89%	92%	87%	90%	92%	89%

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

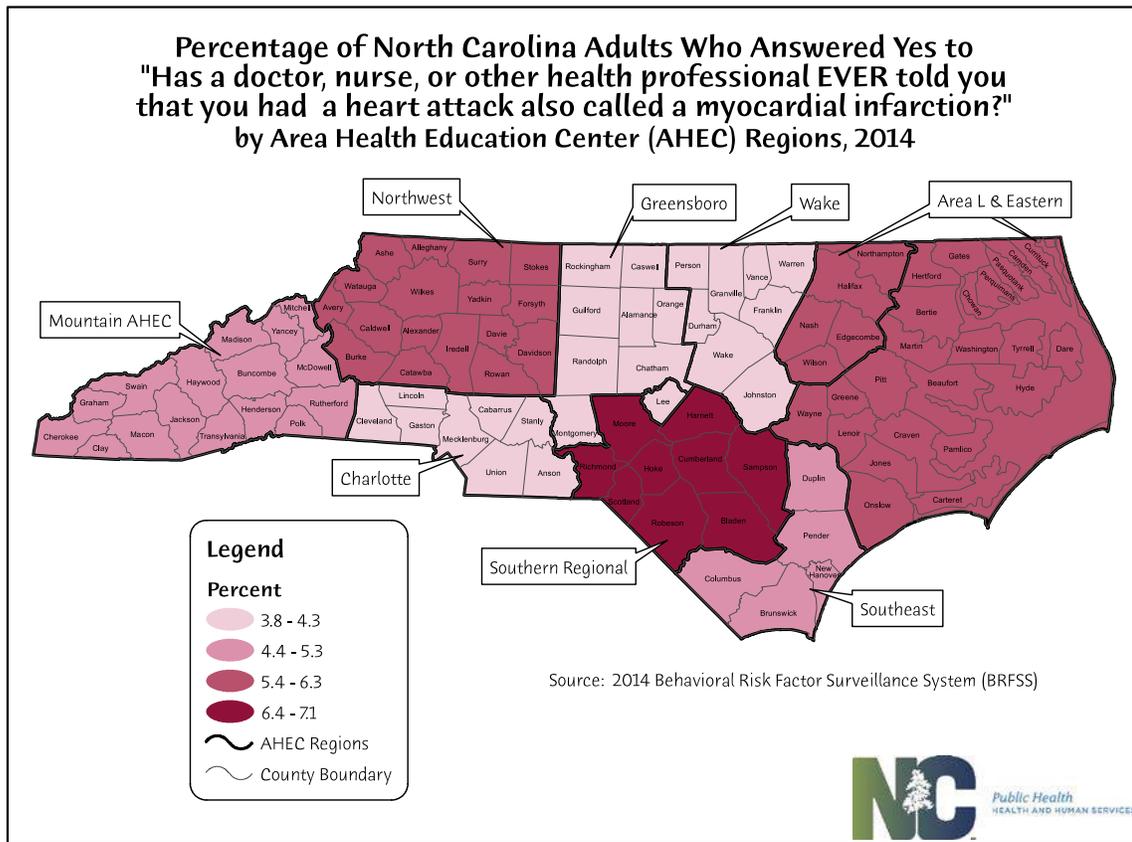


Source: NC SCHS. 2014 Behavioral Risk Factor Surveillance System (BRFSS).
<http://www.schs.state.nc.us/data/hsa/brfss.htm>



Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

8.3 HEART DISEASE

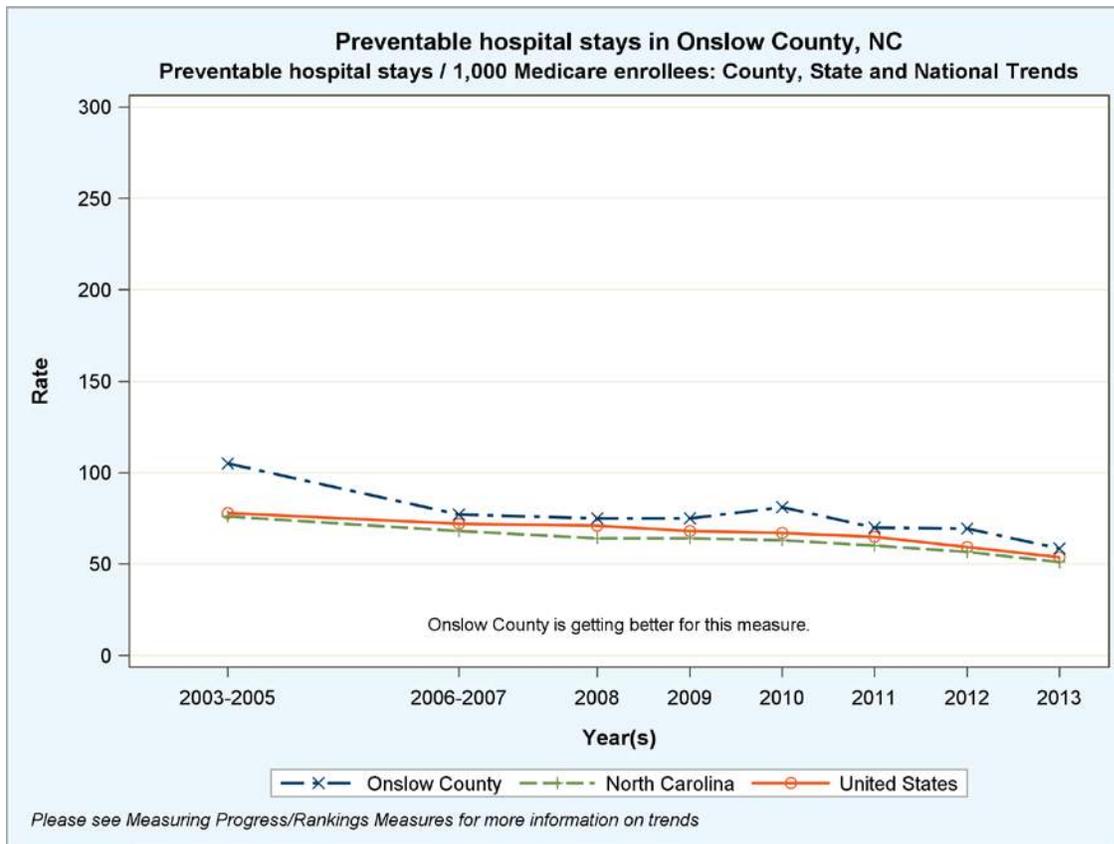


Source: NC SCHS. 2014 Behavioral Risk Factor Surveillance System (BRFSS).
[\[http://www.schs.state.nc.us/data/hsa/brfss.htm\]](http://www.schs.state.nc.us/data/hsa/brfss.htm)

8.4 HOSPITAL UTILIZATION

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	NC
<u>Preventable hospital stays</u> Number of hospital stays for ambulatory-care sensitive conditions per 1,000 Medicare enrollee, 2013	59	53	39	35	62	49	51

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [\[http://www.countyhealthrankings.org/\]](http://www.countyhealthrankings.org/)



Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

8.5 OVERALL HEALTH STATUS

	<i>Onslow</i>	<i>Cabarrus</i>	<i>Catawba</i>	<i>Henderson</i>	<i>Iredell</i>	<i>Union</i>	<i>North Carolina</i>
Poor or fair health Percentage of adults reporting fair or poor health (age-adjusted), 2014	18%	16%	16%	15%	15%	15%	19%
Poor physical health days Average number of physically unhealthy days reported in past 30 days (age-adjusted), 2014	3.9	3.6	3.5	3.5	3.5	3.3	3.9
Poor mental health days Average number of mentally unhealthy days reported in past 30 days (age-adjusted), 2014	3.8	3.6	3.6	3.6	3.6	3.5	3.7

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

8.6 HIV

Newly Diagnosed AIDS Average Rates by County of Residence at Diagnosis, 2012-2014

	2012 Cases	2013 Cases	2014 Cases	2012-2014 Average Rate
Onslow	8	8	7	4.1
Cabarrus	7	10	10	4.8
Catawba	10	1	6	3.7
Henderson	1	1	0	0.6
Iredell	8	4	4	3.3
Union	7	14	8	4.6
North Carolina	782	862	706	8.0

*Rate is expressed per 100,000 population.

Source: North Carolina Electronic Disease Surveillance System (NC EDSS)
(data as of June 23, 2016)

HIV Testing at North Carolina Division of Public Health Supported Counseling and Testing Sites by County, 2014

County	Number Tested	Number Positive	% Positive	Number Newly Positive	% New Positive
Onslow	2,418	7	0.3	6	0.2
Cabarrus	2,006	6	0.3	4	0.2
Catawba	3,477	7	0.2	5	0.1
Henderson	1,278	4	0.3	1	0.1
Iredell	2,042	6	0.3	3	0.1
Union	1,536	9	0.6	7	0.5
North Carolina	209,715	973	0.5	491	0.2

Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of June 23, 2016)

People Living and Diagnosed in North Carolina with HIV Infection^a as of 12/31/2014 by Regional Networks of Care and Prevention (RNCP) and County of Diagnosis, Region 7

County	HIV Infection Classification ^a		Total
	HIV (Non-AIDS) Region 7	AIDS (Stage 3)	
Onslow	156	109	265
Cabarrus	172	93	265
Catawba	113	121	234
Henderson	33	49	82
Iredell	72	63	135
Union	102	97	199
North Carolina	16,084	12,442	28,526
Total	769	642	1,411

Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of June 23, 2016)

8.7 STDs (GONORRHEA, SYPHILIS, CHLAMYDIA)

**Newly Diagnosed Early Syphilis per 100,000 Population
(Primary, Secondary, Early Latent), 2012-2014**

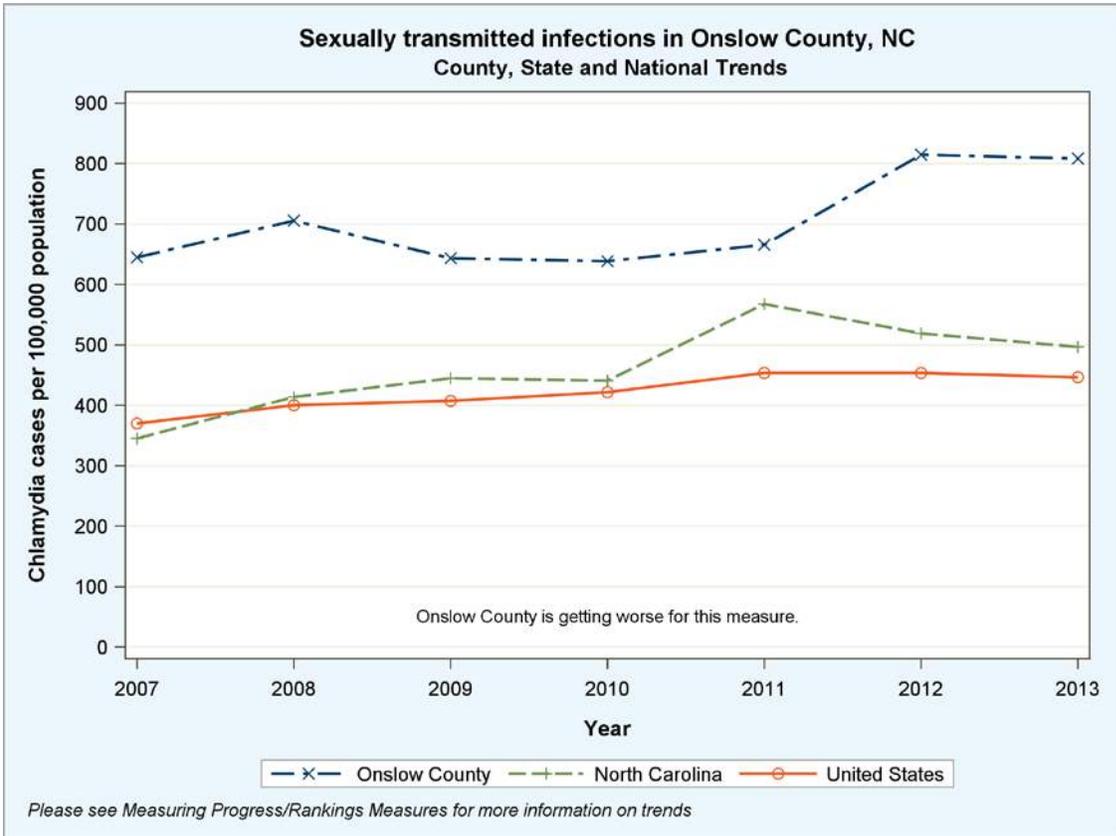
	2012 Cases	2013 Cases	2014 Cases	2012-2014 Average Rate
Onslow	1	8	10	3.4
Cabarrus	1	2	8	1.9
Catawba	2	3	7	2.6
Henderson	1	2	4	2.1
Iredell	7	6	0	2.6
Union	3	5	7	2.3
North Carolina	564	688	1,113	8.0

Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of June 23, 2016)

**Newly Diagnosed Chlamydia and Gonorrhea Rates by County of Diagnosis
and Year of Diagnosis, 2010-2014**

	2010 Cases	2010 Rate	2011 Cases	2011 Rate	2012 Cases	2012 Rate	2013 Cases	2013 Rate	2014 Cases	2014 Rate
Newly Diagnosed Gonorrhea Rates (per 100,000 population)										
Onslow	298	166	265	149	257	139.8	285	153.5	239	127.4
Cabarrus	162	90.7	137	75.6	137	74.3	150	79.9	165	85.9
Catawba	193	125	200	129.7	128	82.8	136	87.9	105	67.9
Henderson	55	51.4	71	66	69	63.8	68	62.1	45	40.5
Iredell	213	133.3	163	101.2	104	63.9	118	71.7	113	67.8
Union	145	71.7	145	70.7	172	82.5	109	51.2	119	54.4
North Carolina	14,917	156.0	15,360	159.1	13,740	140.9	14,114	143.3	14,952	150.4
Newly Diagnosed Chlamydia Rates (per 100,000 population)										
Onslow	1207	672.5	1091	613.3	1598	869.0	1363	734.1	1244	663.2
Cabarrus	638	357.3	670	369.5	696	377.3	699	372.5	769	400.3
Catawba	600	388.7	556	360.6	503	325.5	560	361.9	516	333.9
Henderson	197	184.2	194	180.5	217	200.7	246	224.6	224	201.5
Iredell	465	291.1	539	334.6	528	324.5	487	295.7	492	295.2
Union	479	236.9	470	229.1	492	236.1	466	219.1	635	290.5
North Carolina	44,579	466.3	49,578	513.7	49,478	507.6	49,220	499.8	49,904	501.9

Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of June 23, 2016).
<http://epi.publichealth.nc.gov/cd/stds/figures/std14rpt.pdf>



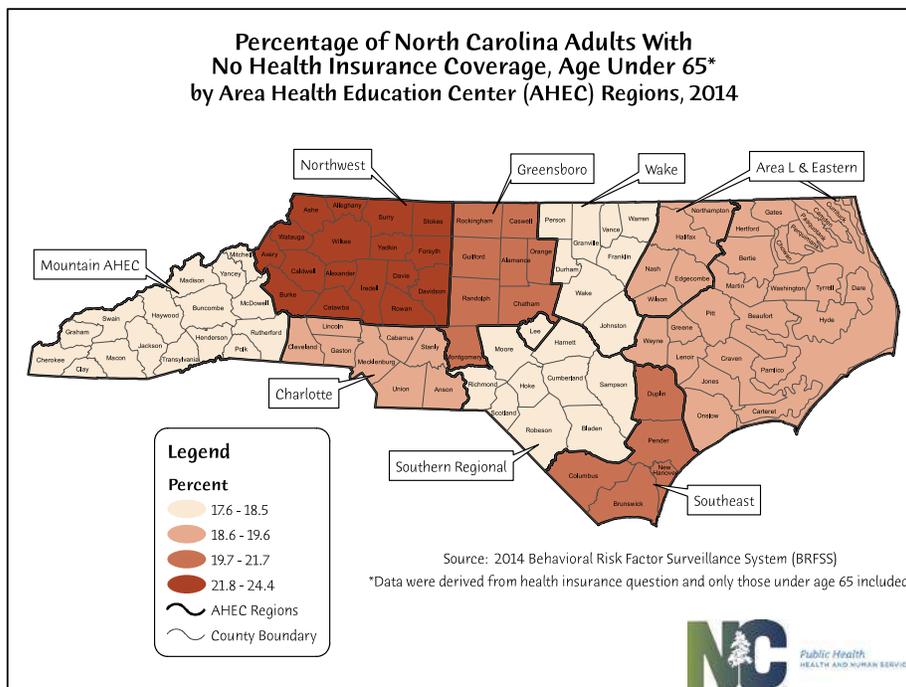
Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

9 Health Care (Access & Quality)

9.1 HEALTH INSURANCE COVERAGE

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
Persons without health insurance, under age 65 years, percent	11.5	13.4	15.4	17.1	14.7	13.2	15.2
Total health care and social assistance receipts/revenue, 2012 (\$1,000)	491,728	568,063	1,153,608	581,872	758,713	533,877	55,227,505

Source: US Census Bureau. Quick Facts.
<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>

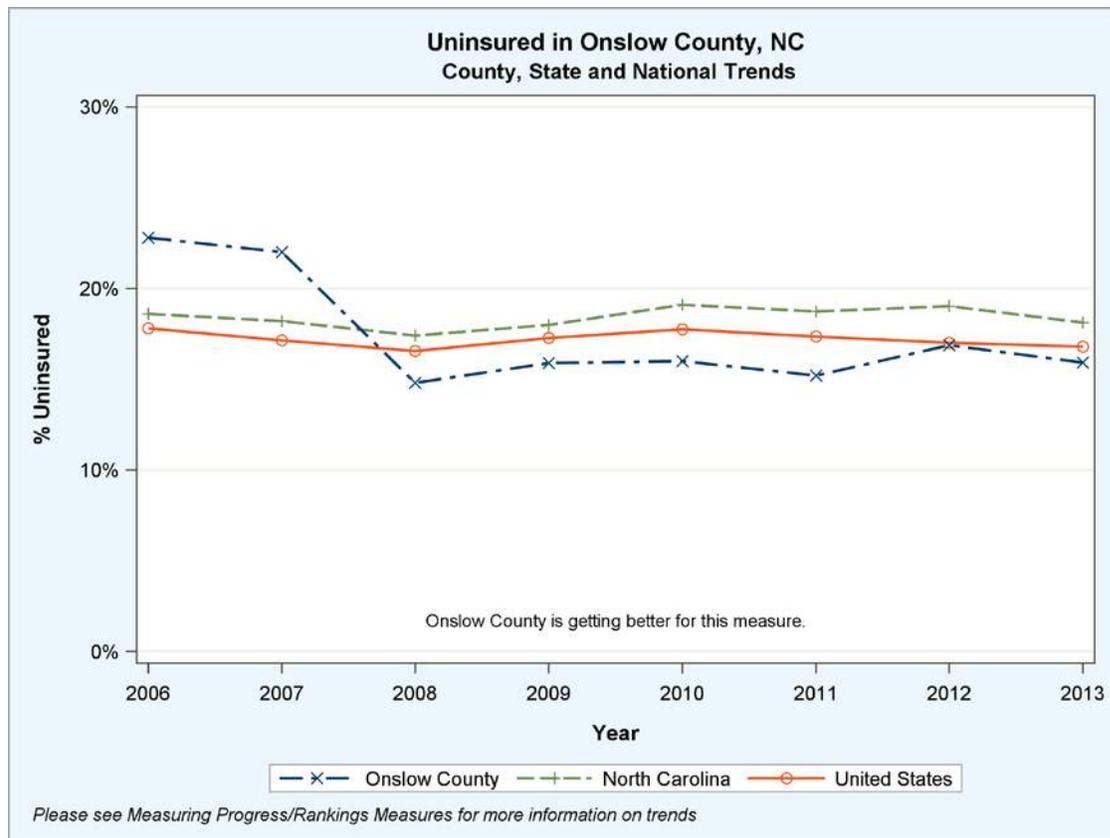


Source: NC SCHS. 2014 Behavioral Risk Factor Surveillance System (BRFSS).
[\[http://www.schs.state.nc.us/data/hsa/brfss.htm\]](http://www.schs.state.nc.us/data/hsa/brfss.htm)

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
Uninsured Percentage of population under age 65 without health insurance, 2013	16%	16%	18%	20%	18%	16%	18%

Uninsured adults Percentage of adults under age 65 without health insurance, 2013	20%	20%	23%	25%	22%	20%	22%
Uninsured children Percentage of children under age 19 without health insurance, 2013	6%	7%	7%	8%	7%	8%	7%
Health care costs Amount of price-adjusted Medicare reimbursements per enrollee, 2013	\$9,649	\$9,269	\$8,345	\$8,418	\$9,856	\$8,962	\$8,937
Preventable hospital stays Number of hospital stays for ambulatory-care sensitive conditions per 1,000 Medicare enrollees, 2013	59	53	39	35	62	49	51

Percentage of population under age 65 without health insurance
Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]



Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

9.2 INDIVIDUALS WITH A DISABILITY

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
With a disability, under age 65 years, percent, 2010-2014	11.0	6.5	9.0	11.0	8.9	6.1	9.5

Source: US Census Bureau. Quick Facts.

<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>

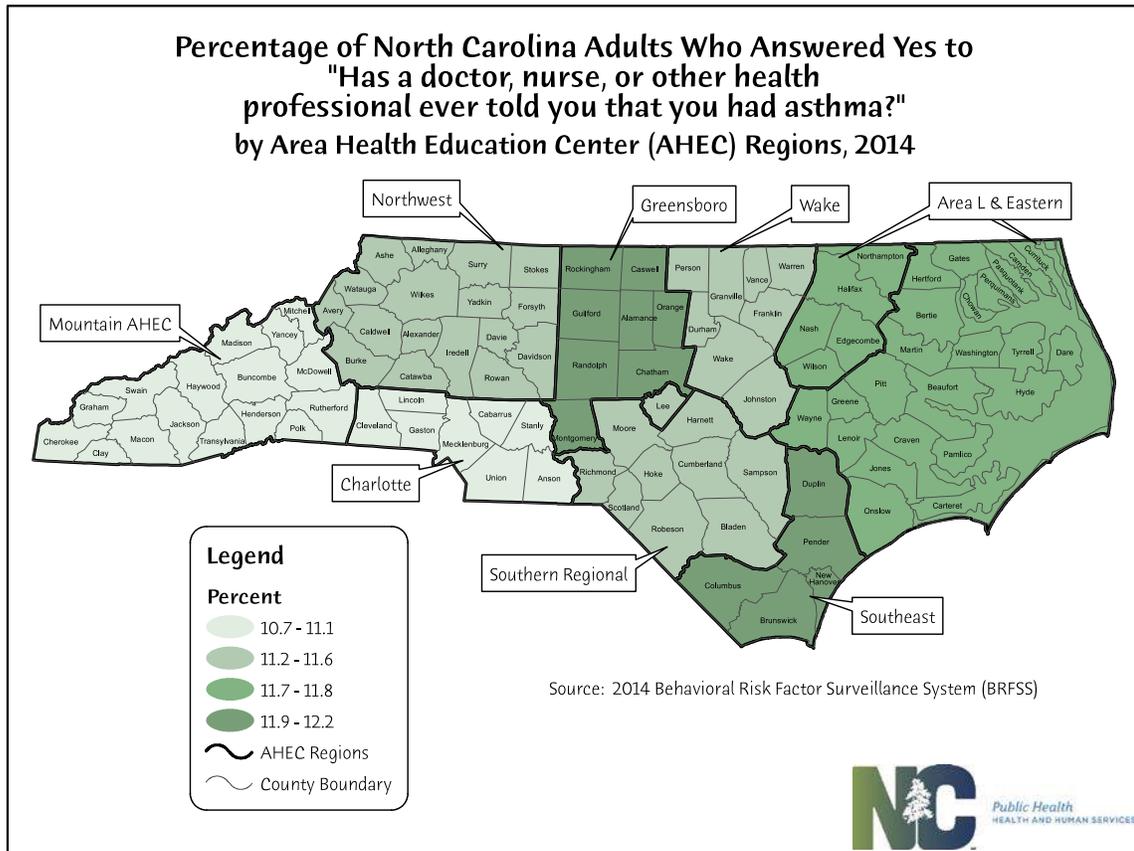
9.3 PROVIDER RATES (PCPs, DENTISTS)

	<i>Onslow</i>	<i>Cabarrus</i>	<i>Catawba</i>	<i>Henderson</i>	<i>Iredell</i>	<i>Union</i>	<i>North Carolina</i>
Primary care physicians, 2013	3,308:1	1,052:1	1,395:1	1,191:1	1,496:1	1,758:1	1414:1
Dentists, 2014	1,097:1	2,372:1	2,033:1	1,985:1	1,961:1	4,048:1	1909:1
Mental health providers, 2015	508:1	401:1	489:1	579:1	545:1	871:1	444:1
Other primary care providers, 2015	1,251:1	1,325:1	893:1	1,079:1	1,119:1	2,208:1	1134:1

*Ratio of population to provider.

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

9.4 ASTHMA AND ASTHMA-RELATED HOSPITALIZATION

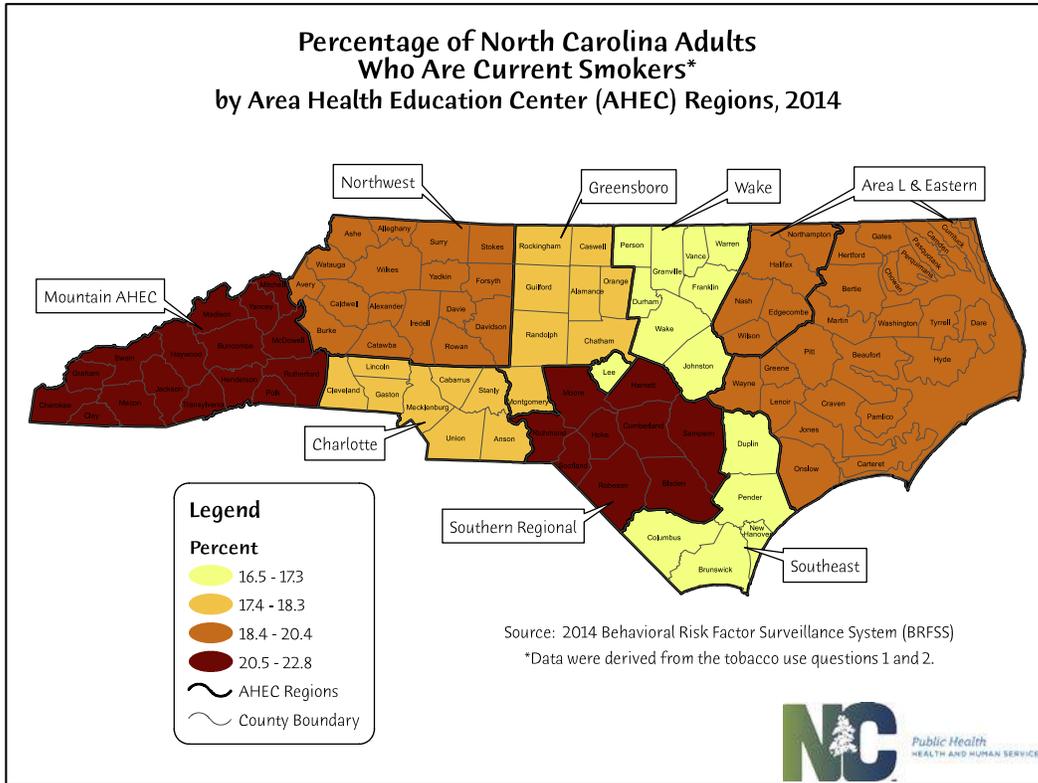


Source: NC SCHS. 2014 Behavioral Risk Factor Surveillance System (BRFSS).
[\[http://www.schs.state.nc.us/data/hsa/brfss.htm\]](http://www.schs.state.nc.us/data/hsa/brfss.htm)

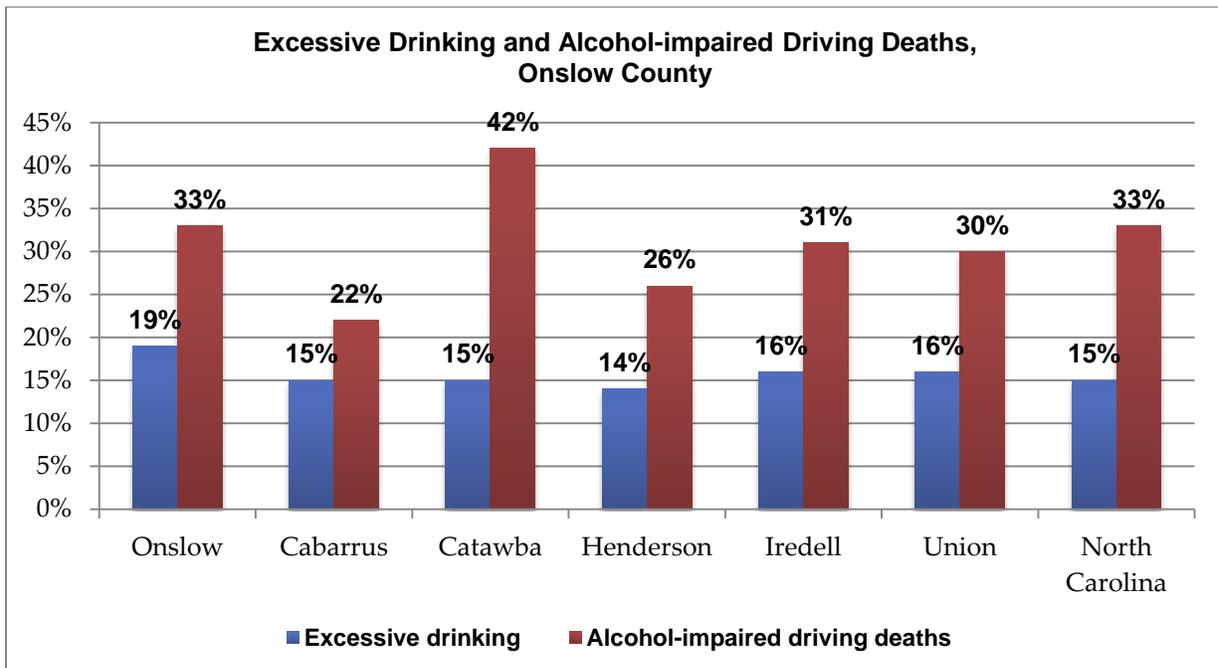
10 Health Behaviors

	<i>Onslow</i>	<i>Cabarrus</i>	<i>Catawba</i>	<i>Henderson</i>	<i>Iredell</i>	<i>Union</i>	<i>North Carolina</i>
<u>Adult smoking</u> Percentage of adults that reported currently smoking, 2014	20%	18%	19%	16%	17%	17%	19%
<u>Adult obesity</u> % adults reporting BMI of 30 or more, 2012	26%	28%	31%	29%	28%	27%	29%
<u>Food environment index</u> Index of factors contributing to healthy food environment, 0 (worst) - 10 (best), 2012-2013	6.3	7.3	6.6	24	7.3	8.2	6.7
<u>Physical inactivity</u> % adults aged 20 and over reporting no leisure-time physical activity, 2012	23%	24%	30%	28%	23%	19%	25%
<u>Access to exercise opportunities</u> % population with adequate access to locations for physical activity, 2014	61%	80%	62%	14%	73%	68%	75%
<u>Excessive drinking</u> Percentage of adults reporting binge or heavy drinking, 2014	19%	15%	15%	14%	16%	16%	15%
<u>Alcohol-impaired driving deaths</u> Percentage of driving deaths with alcohol involvement, 2010-2014	33%	22%	42%	26%	31%	30%	33%
<u>Sexually transmitted infections</u> Number of newly diagnosed chlamydia cases per 100,000 population, 2013	1,481	666	542	210	466	459	48,416
<u>Teen births</u> Number of births per 1,000 female population ages 15-19 2007-2013	66	36	46	44	37	8	39

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]



Source: NC SCHS. 2014 Behavioral Risk Factor Surveillance System (BRFSS).
[\[http://www.schs.state.nc.us/data/hsa/brfss.htm\]](http://www.schs.state.nc.us/data/hsa/brfss.htm)



Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [\[http://www.countyhealthrankings.org/\]](http://www.countyhealthrankings.org/)

10.1 SEATBELT USE

	Total Respond. ^	Always			Nearly Always/Sometimes			Seldom/Never		
		N	%	C.I. (95%)	N	%	C.I. (95%)	N	%	C.I. (95%)
North Carolina	6,915	6,475	92.5	91.7-93.3	362	6.0	5.3-6.7	78	1.5	1.1-1.9
Region 8*	836	781	91.9	89.1-94.1	42	5.8	4.1-8.2	13	2.3	1.2-4.3

*NC Association of Local Health Director Region 8 consists of Blade, Brunswick, Columbus, Duplin, New Hanover, Onslow, Pender, Robeson, and Sampson counties.

Source: NC Center for Health Statistics. 2014 Health Atlas Behavioral Risk Factor Surveillance System (BRFSS) [<http://www.schs.state.nc.us/data/brfss/2014/nc/nccr/seatbelt.html>]

11 Demographics & Social Environment

11.1 POPULATION

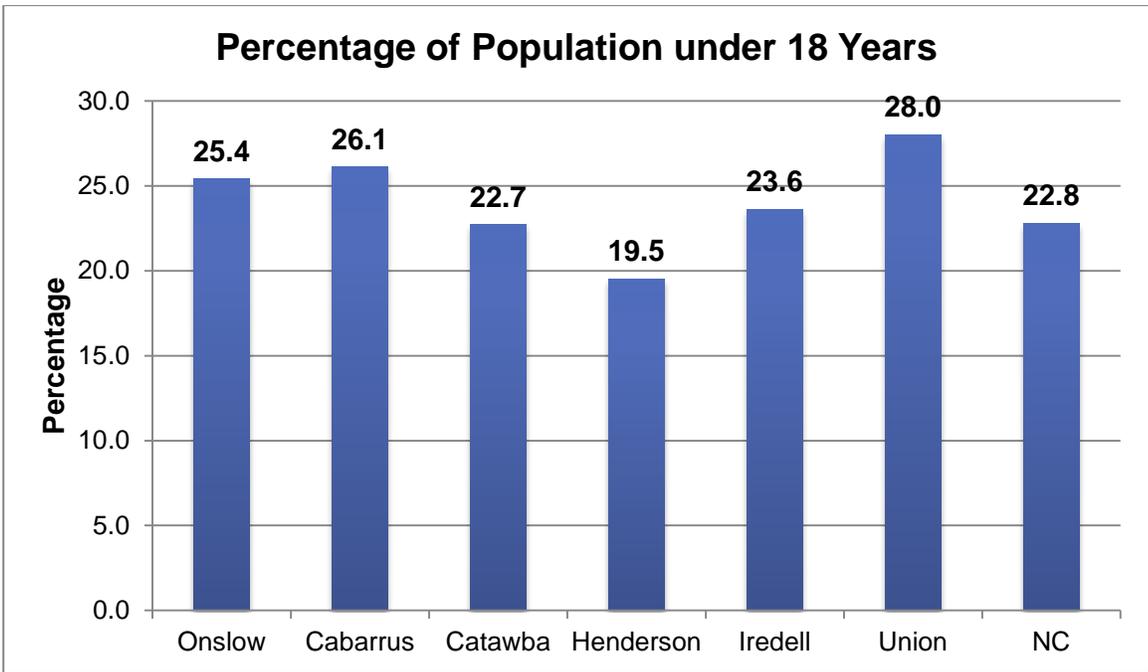
People	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	NC	US
<i>Population</i>								
Population estimates, July 1, 2015, (V2015)	186,311	196,762	155,056	112,655	169,866	222,742	10,042,802	321,418,820
Population estimates base, April 1, 2010, (V2015)	177,772	178,182	154,356	106,742	159,440	201,307	9,535,692	308,758,105
Population, percent change - April 1, 2010 (estimates base) to July 1, 2015, (V2015)	4.8	10.4	0.5	5.5	6.5	10.6	5.3	4.1
Population, Census, April 1, 2010	177,772	178,011	154,358	106,740	159,437	201,292	9,535,483	308,745,538

Persons under 5 years, percent, July 1, 2015, (V2015)	9.8	6.2	5.7	4.8	5.5	5.8	6.0	6.2
Persons under 5 years, percent, April 1, 2010	9.6	7.3	6.3	5.6	6.3	7.3	6.6	6.5
Persons under 18 years, percent, July 1, 2015, (V2015)	25.4	26.1	22.7	19.5	23.6	28.0	22.8	22.9
Persons under 18 years, percent, April 1, 2010	25.3	27.4	23.8	20.6	25.5	30.2	23.9	24.0
Persons 65 years and over, percent, July 1, 2015, (V2015)	8.9	12.7	16.6	24.8	14.9	11.6	15.1	14.9
Persons 65 years and over, percent, April 1, 2010	7.5	11.3	14.1	22.4	12.8	9.7	12.9	13.0

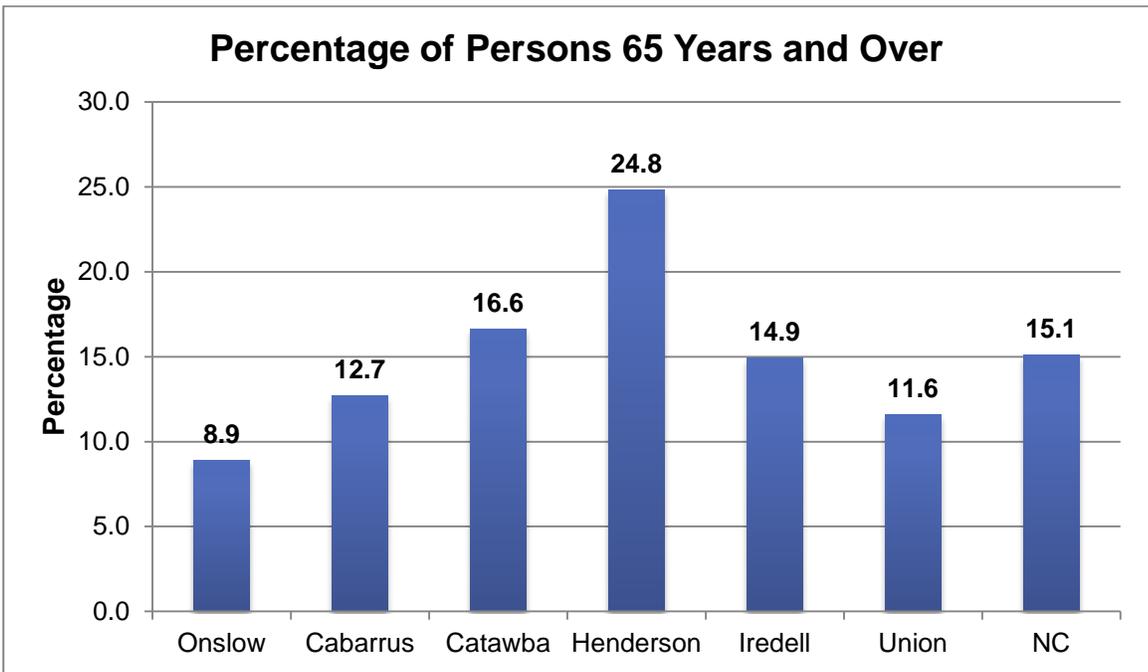
Source: US Census Bureau. Quick Facts. <https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
Demographics							
Population	187,589	192,103	154,534	111,149	166,675	218,568	9,943,964
% below 18 years of age	25.4%	26.2%	23%	19.7%	23.9%	28.6%	23%
% 65 and older	8.4%	12.5%	16.2%	24.5%	14.6%	11.3%	14.7%
% Non-Hispanic African American	14.7%	16.3%	8.5%	3.2%	11.8%	11.6%	21.4%
% American Indian and Alaskan Native	0.9%	0.7%	0.5%	0.7%	0.5%	0.6%	1.6%
% Asian	2.2%	2.8%	4.1%	1.1%	2.4%	2.2%	2.7%
% Native Hawaiian/Oth; Pacific Islander	0.3%	0.1%	0.1%	0.2%	0.1%	0.1%	0.1%
% Hispanic	12.1%	10%	8.9%	9.9%	7.3%	11%	9%
% Non-Hispanic white	66.9%	69%	76.8%	83.9%	76.8%	73.5%	64.1%
% not proficient in English	0.7%	2.6%	3%	3.4%	1.6%	2.8%	2.7%
% Females	45.4%	51.2%	50.9%	51.7%	50.8%	50.6%	51.3%
% Rural	26.3%	19.3%	30.3%	33.3%	37.9%	27.3%	33.9%

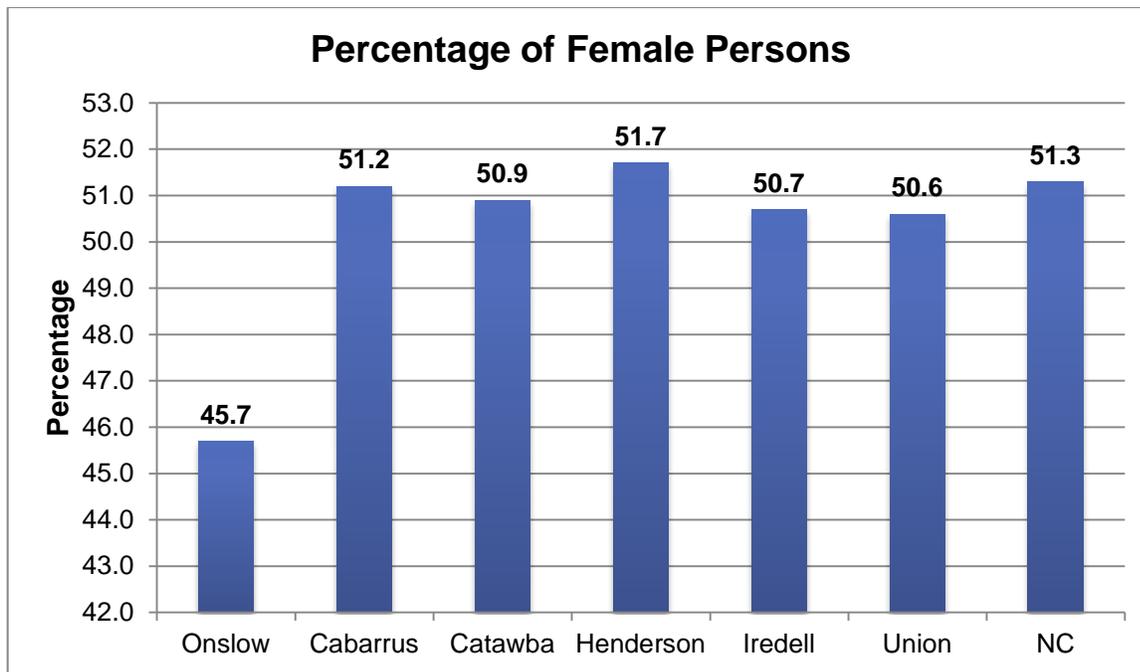
Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]



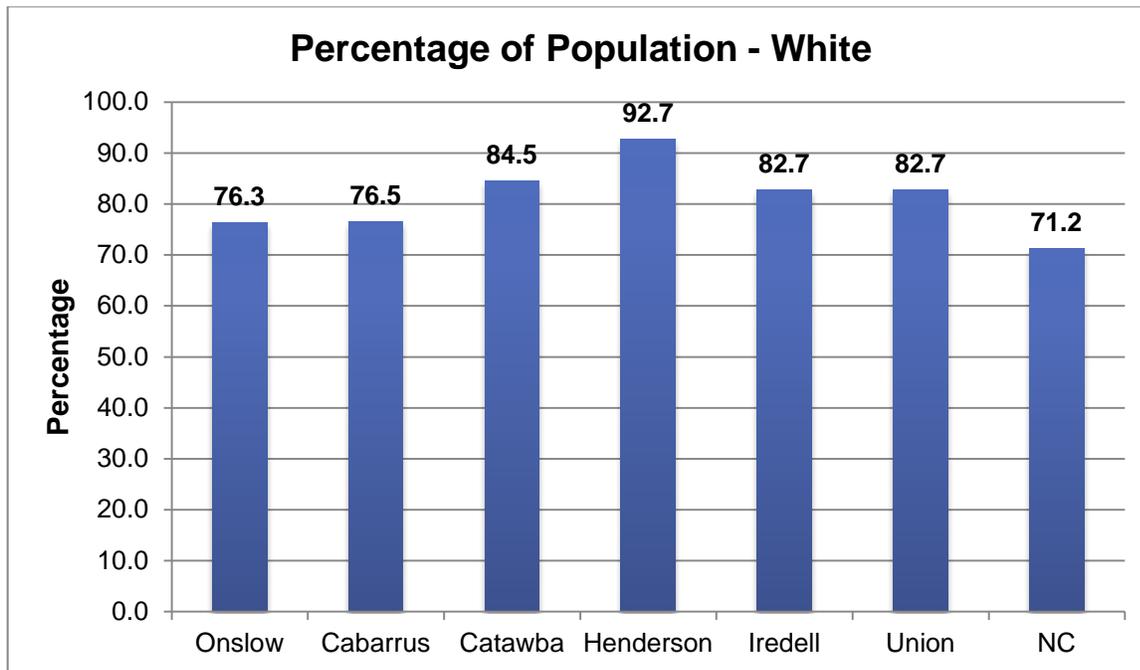
Source: US Census Bureau. Quick Facts.
<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>



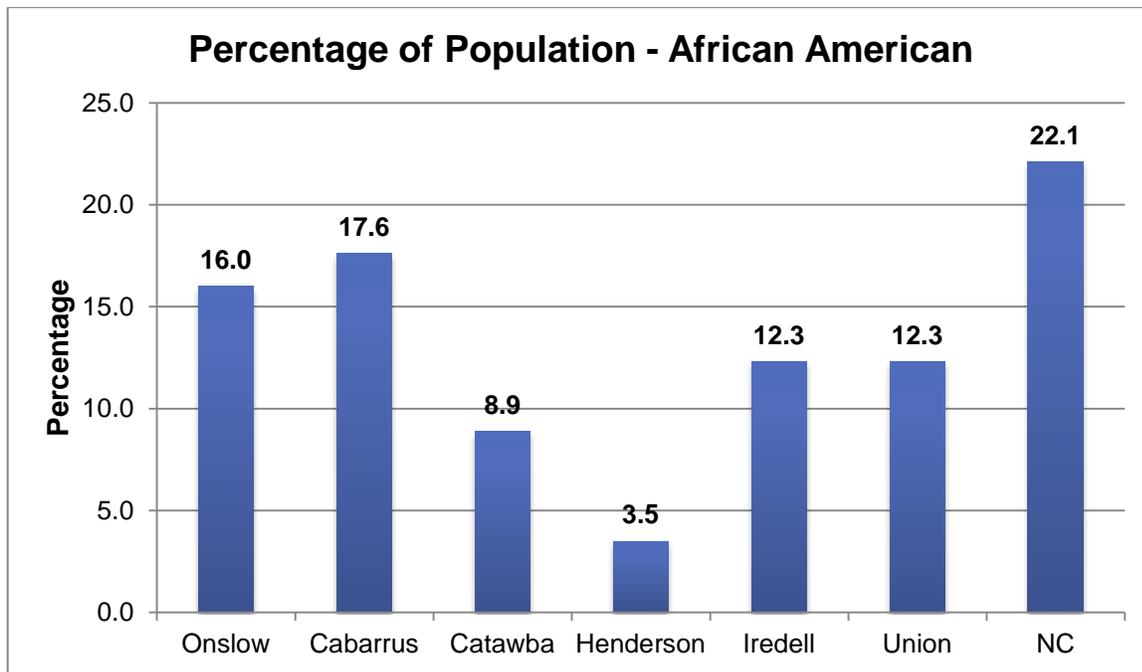
Source: US Census Bureau. Quick Facts.
<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>



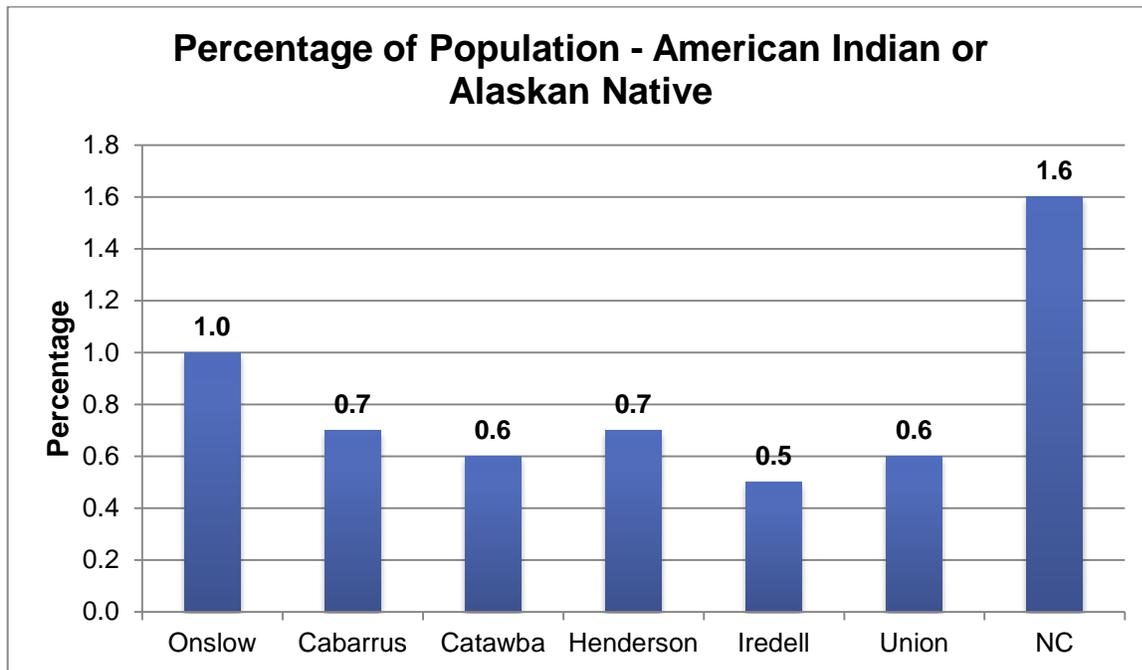
Source: US Census Bureau. Quick Facts.
<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>



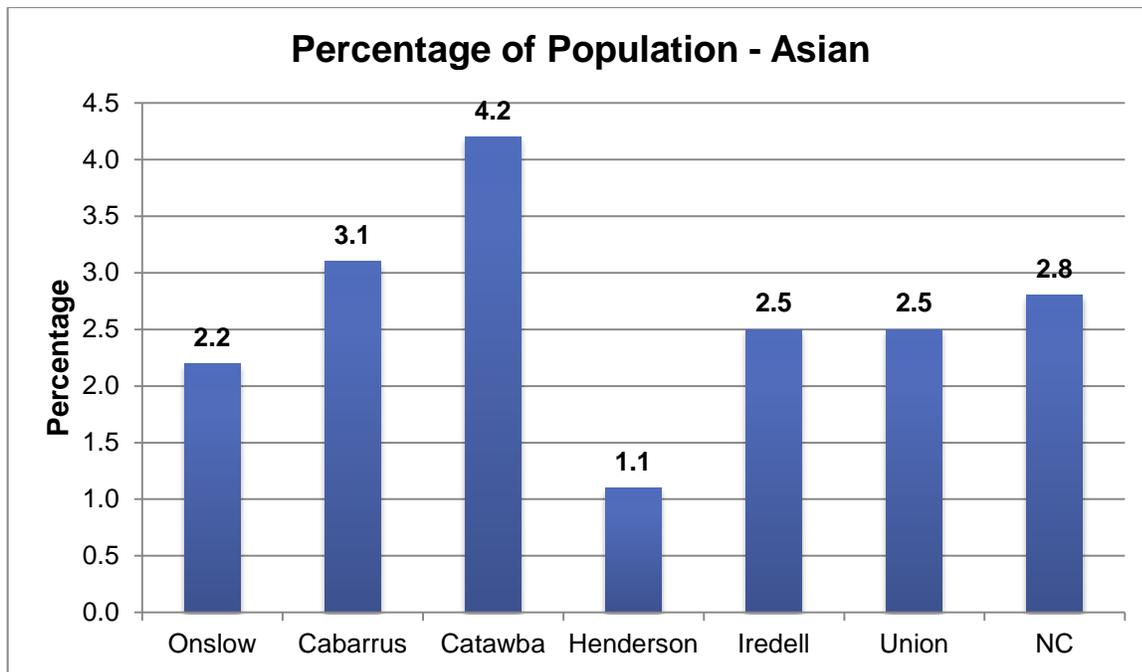
Source: US Census Bureau. Quick Facts.
<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>



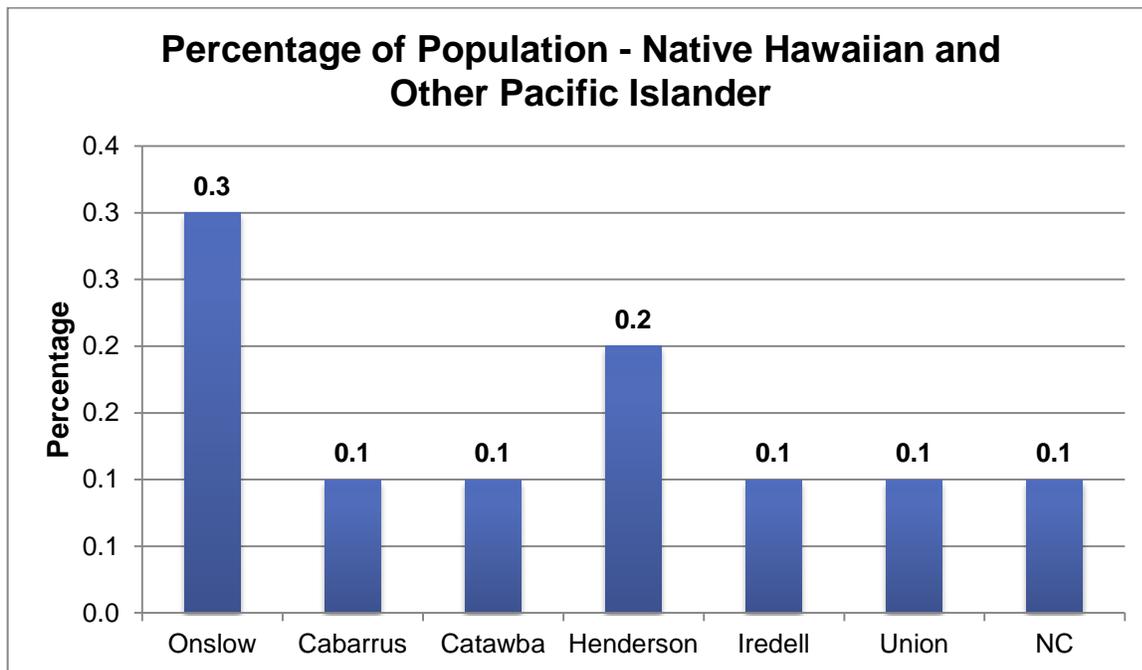
Source: US Census Bureau. Quick Facts.
<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>



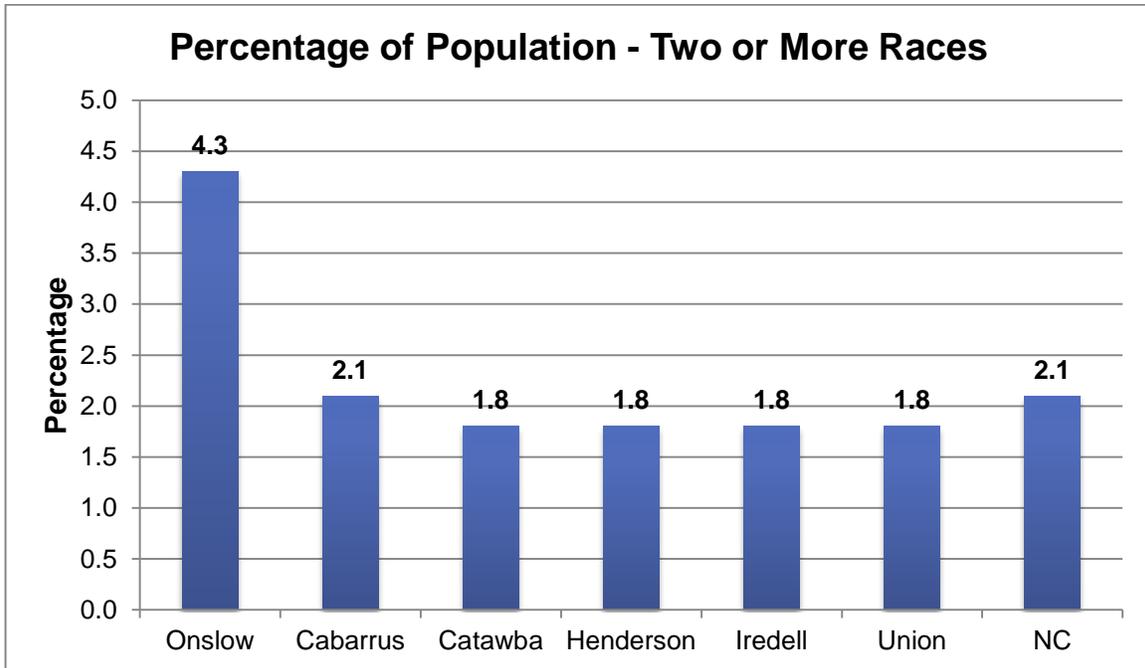
Source: US Census Bureau. Quick Facts.
<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>



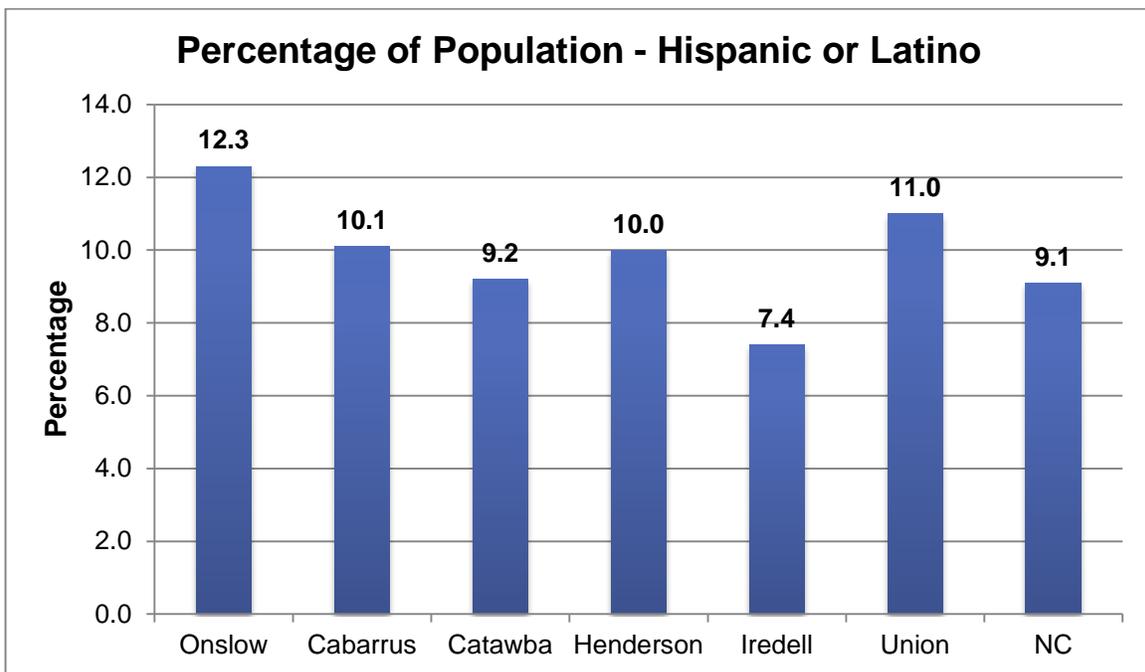
Source: US Census Bureau. Quick Facts.
<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>



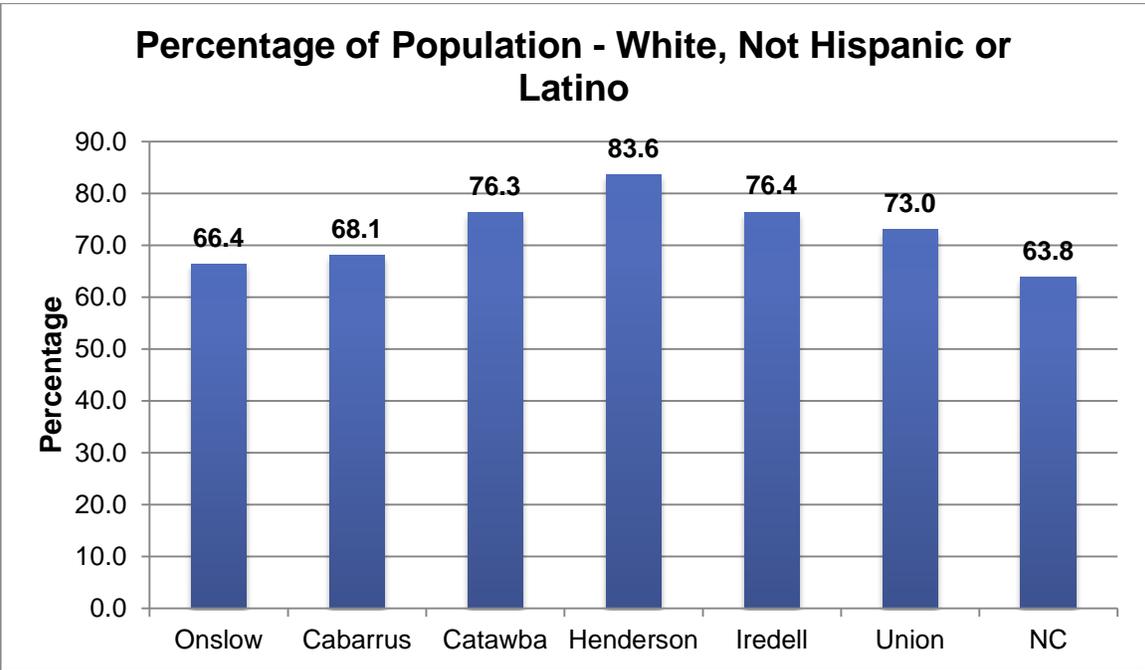
Source: US Census Bureau. Quick Facts.
<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>



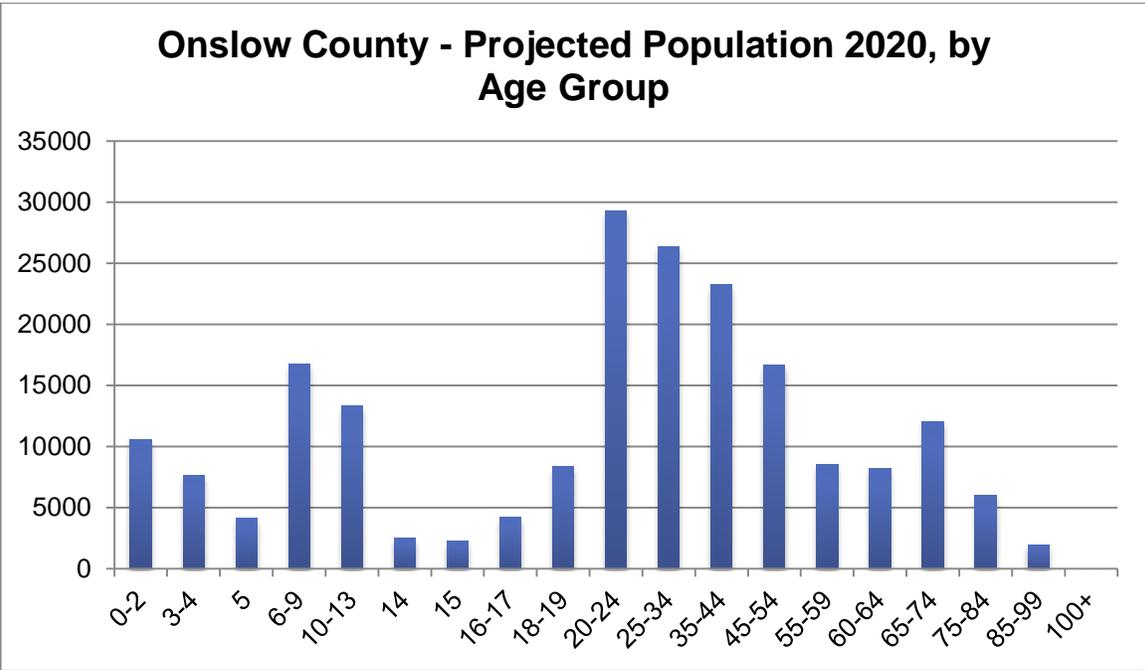
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<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>



Source: US Census Bureau. Quick Facts.
<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>

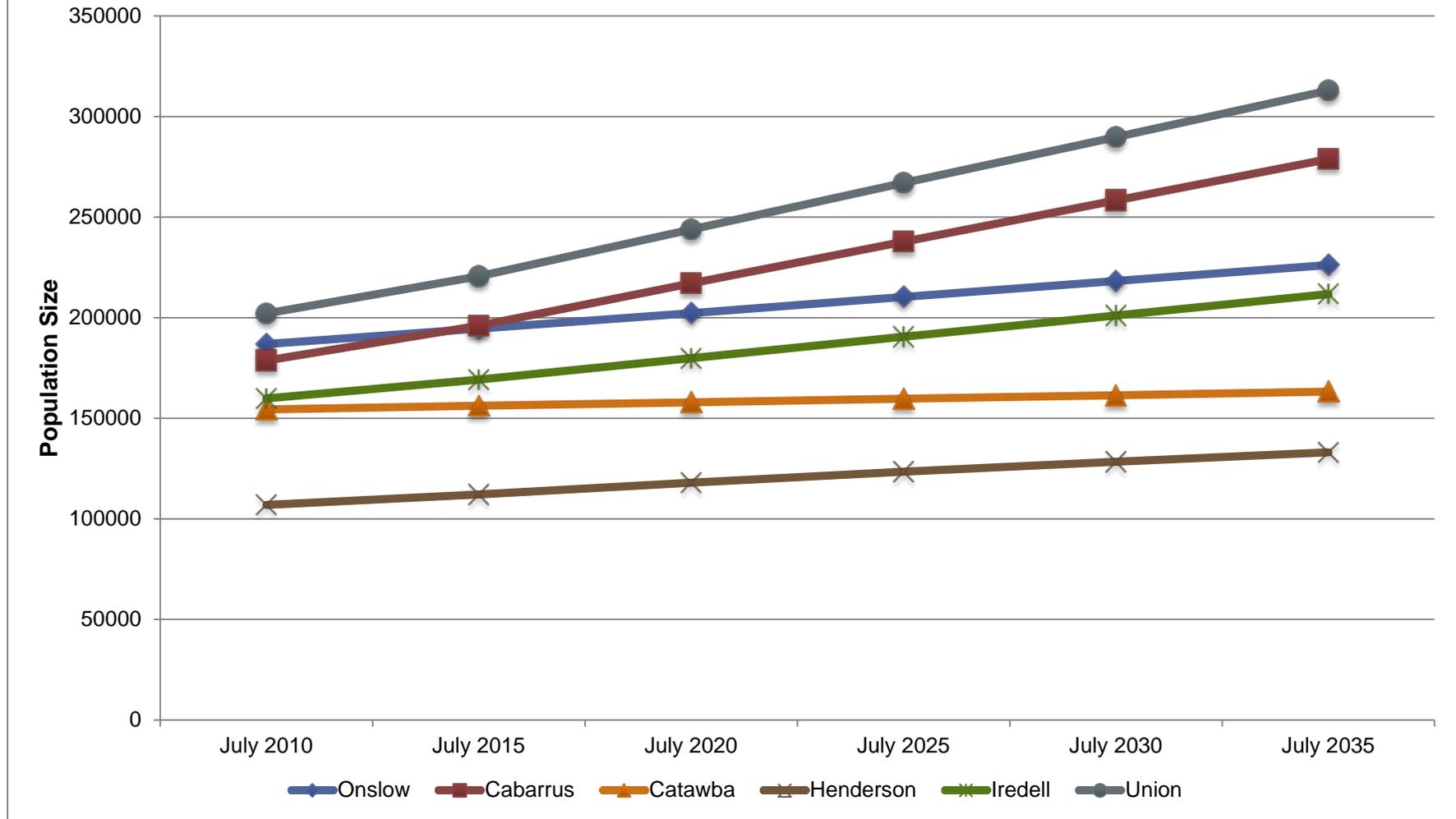


Source: US Census Bureau. Quick Facts.
<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>



Source: NC State. Budget and Management. Municipal Estimates.
[\[https://ncosbm.s3.amazonaws.com/s3fs-public/demog/countytotals_agegroup_2020.html\]](https://ncosbm.s3.amazonaws.com/s3fs-public/demog/countytotals_agegroup_2020.html)

Projected Population Size Through 2035, by County



Source: NC State. Budget and Management. Municipal Estimates. [<http://www.osbm.nc.gov/demog/municipal-estimates>]

11.2 GEOGRAPHY

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
Population per square mile, 2010	233.1	492.1	387.1	286.1	277.8	318.7	196.1
Land area in square miles, 2010	762.74	361.75	398.72	373.07	573.83	631.52	48,617.91

Source: U.S. Census Bureau: State and QuickFacts. Data derived from Population Estimates, American Community Survey, Census of Population and Housing, State and Housing Unit Estimates, Business Patterns, Nonemployer Statistics, Economic Census, Survey of Business Owners, Building Permits

11.3 AGE AND SEX

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
Population under 5 years, percent, July 1, 2015	9.8%	6.2%	5.7%	4.8%	5.5%	5.8%	6.0%
Population under 5 years, percent, April 1, 2010	9.6%	7.3%	6.3%	5.6%	6.3%	7.3%	6.6%
Population under 18 years, percent, July 1, 2015	25.4%	26.1%	22.7%	19.5%	23.6%	28.0%	22.8%
Population under 18 years, percent, April 1, 2010	25.3%	27.4%	23.8%	20.6%	25.5%	30.2%	23.9%
Population 65 years and over, percent, July 1, 2015	8.9%	12.7%	16.6%	24.8%	14.9%	11.6%	15.1%
Population 65 years and over, percent, April 1, 2010	7.5%	11.3%	14.1%	22.4%	12.8%	9.7%	12.9%
Female population, percent, July 1, 2015	45.7%	51.2%	50.9%	51.7%	50.7%	50.6%	51.3%
Female persons, percent, April 1, 2010	46.4%	51.2%	51%	51.7%	50.8%	50.6%	51.3%

Source: US Census Bureau. Quick Facts. <https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>

11.4 RACE/ETHNICITY

Race and Hispanic Origin	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
White alone, percent, July 1, 2015, (V2015) (a)	76.3%	76.5%	84.5%	92.7%	82.7%	82.7%	71.2%
White alone, percent, April 1, 2010 (a)	74%	75.4%	81.7%	88.9%	80.7%	79.0%	68.5%
Black or African American alone, percent, July 1, 2015, (V2015) (a)	16.0%	17.6%	8.9%	3.5%	12.3%	12.3%	22.1%
Black or African American alone, percent, April 1, 2010 (a)	15.6%	15.3%	8.4%	3.0%	11.9%	11.7%	21.5%
American Indian and Alaska Native alone, percent, July 1, 2015, (V2015) (a)	1.0%	0.7%	0.6%	0.7%	0.5%	0.6%	1.6%
American Indian and Alaska Native alone, percent, April 1, 2010 (a)	0.7%	0.4%	0.3%	0.4%	0.3%	0.4%	1.3%
Asian alone, percent, July 1, 2015, (V2015) (a)	2.2%	3.1%	4.2%	1.1%	2.5%	2.5%	2.8%
Asian alone, percent, April 1, 2010 (a)	1.9%	2.0%	3.5%	1.0%	1.8%	1.6%	2.2%
Native Hawaiian and Other Pacific Islander alone, percent, July 1, 2014, (V2014) (a)	0.3%	0.1%	0.1%	0.2%	0.1%	0.1%	0.1%
Native Hawaiian and Other Pacific Islander alone, percent, April 1, 2010 (a)	0.3%	--	--	0.2%	--	--	0.1%
Two or More Races, percent, July 1, 2015, (V2015)	4.3%	2.1%	1.8%	1.8%	1.8%	1.8%	2.1%
Two or More Races, percent, April 1, 2010	4.4%	2.1%	1.9%	1.9%	1.8%	1.9%	2.2%
Hispanic or Latino, percent, July 1, 2015, (V2015) (b)	12.3%	10.1%	9.2%	10.0%	7.4%	11.0%	9.1%
Hispanic or Latino, percent, April 1, 2010 (b)	10.1%	9.4%	8.4%	9.8%	6.8%	10.4%	8.4%
White alone, not Hispanic or Latino, percent, July 1, 2015, (V2015)	66.4%	68.1%	76.3%	83.6%	76.4%	73.0%	63.8%
White alone, not Hispanic or Latino, percent, April 1, 2010	68.9%	71.6%	78%	84.4%	77.8%	74.6%	65.3%

Source: US Census Bureau. Quick Facts. <https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>

11.5 VETERANS

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
Veterans, 2010-2014	23,480	12,319	10,950	11,127	10,928	12,086	709,471

Source: US Census Bureau. Quick Facts.

<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>

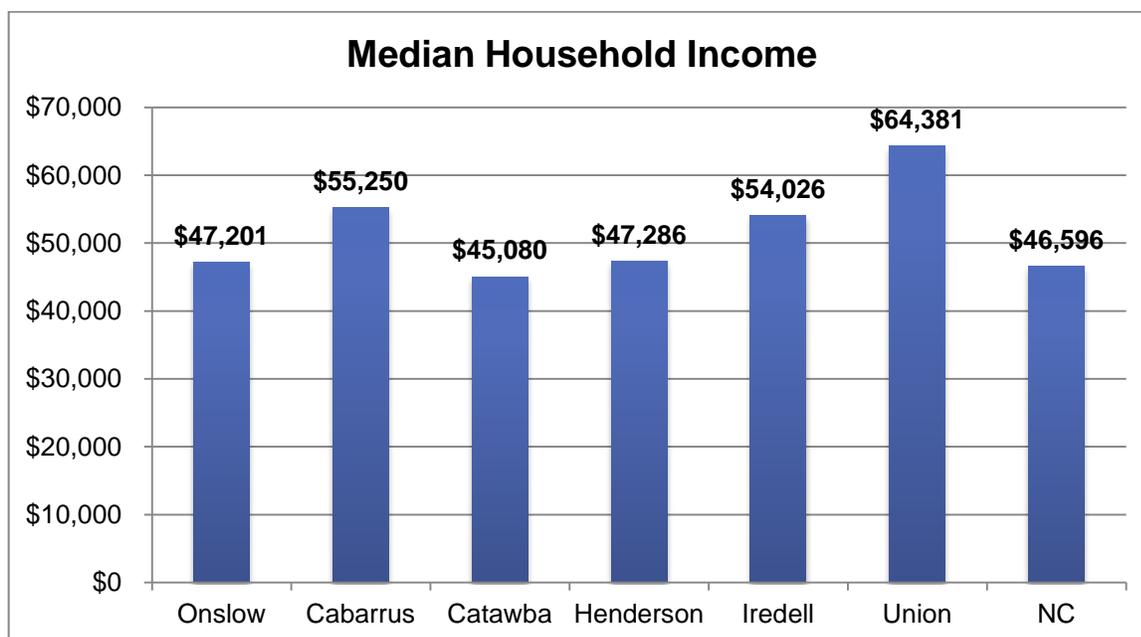
11.6 INCOME

Income and Poverty	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
Median household income (in 2014 dollars) 2010-2014*	\$46,141	\$53,935	\$45,397	\$46,257	\$51,889	\$65,893	\$46,693
Median household income, 2014**	\$47,201	\$55,250	\$45,080	\$47,286	\$54,026	\$64,381	\$46,596
Per capita income in past 12 months (in 2014 dollars), 2010-2014*	\$21,583	\$25,544	\$23,355	\$25,617	\$27,125	\$28,765	\$25,608

* Source: US Census Bureau. Quick Facts.

<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>

** Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]



Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

11.7 POVERTY LEVEL

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
<u>Persons in poverty, percent*</u> 2010-2014	14.3%	12.2%	16.2%	12.9%	12.7%	10.8%	17.2%
<u>Children in poverty**</u> Percentage of children under age 18 in poverty, 2014	20%	17%	22%	23%	19%	15%	--
<u>Income inequality**</u> Ratio of household income at the 80th percentile to income at the 20th percentile, 2010-2014	3.5	4.1	4.1	4.3	4.4	4	--
<u>Children eligible for free lunch**</u> % children enrolled in public schools that are eligible for free lunch, 2012-2013	--	40%	47%	46%	33%	28%	--
<u>Percent of children who received free or reduced lunch***</u> 2011-2012, excludes charter schools	47.7%	48.3%	54.9%	54.9%	43.0%	36.1%	56.0%
<u>Median household income, 2014**</u>	\$47,201	\$55,250	\$45,080	\$47,286	\$54,026	\$64,381	\$46,596

* Source: US Census Bureau. Quick Facts.

<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>

** Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

*** Source: Kids Count Data Center [<http://datacenter.kidscount.org/data/tables/2239-percent-of-students-enrolled-in-free-and-reduced-lunch?loc=35&loct=2#detailed/5/4910-5009/false/1021,909,857,105,118/any/4682>]

**Onslow County Schools Economically Disadvantaged Students
Free or Reduced Lunch
Academic Year 2014-2015**

School Name	Final ADM	Free	Reduced	% EDS
Thompson Early Childhood Center	0	137	22	< 10%
Bell Fork Elementary	511	283	47	55%-60%
Blue Creek Elementary	466	261	44	60%-65%
Carolina Forest Elementary	1,051	265	115	30%-35%
Clyde Erwin Elementary	505	311	38	60%-65%
Dixon Elementary	961	287	80	30%-35%
Dixon Middle	671	239	59	35%-40%
Dixon High	806	206	47	25%-30%
Hunters Creek Elementary	525	312	44	60%-65%
Hunters Creek Middle	760	293	69	40%-45%
Jacksonville Commons Elem	615	311	51	50%-55%
Jacksonville High	1,184	386	65	30%-35%
Jacksonville Commons Middle	904	405	74	45%-50%
Meadow View Elementary	755	325	78	45%-50%
Morton Elementary	512	244	50	50%-55%
New Bridge Middle	507	136	34	25%-30%
Northwoods Elementary	454	232	51	55%-60%
Northside High	1,093	355	99	35%-40%
Queens Creek Elementary	660	300	67	50%-55%
Northwoods Park Middle	503	233	37	45%-50%
Richlands Primary	871	305	92	40%-45%
Parkwood Elementary	563	196	39	35%-40%
Richlands Elementary	706	232	67	35%-40%
Richlands High	1,125	290	92	25%-30%
Sand Ridge Elementary	468	173	54	40%-45%
Silverdale Elementary	437	177	45	45%-50%
Southwest Elementary	749	335	95	50%-55%
Southwest High	642	217	43	35%-40%
Southwest Middle	526	236	51	45%-50%
Summersill Elementary	568	331	61	60%-65%
Stateside Elementary	740	212	69	30%-35%
Swansboro Elementary	601	179	24	25%-30%

School Name	Final ADM	Free	Reduced	% EDS
Swansboro Middle	820	269	72	35%-40%
Swansboro High	1,026	275	61	25%-30%
Trexler Middle	980	301	83	30%-35%
White Oak High	1,049	271	68	25%-30%
Total	25,314	9,520	2,187	46.25%

EDS= Economically Disadvantaged Students

Source: NC Public Schools. Financial & Business Services.

[<http://www.ncpublicschools.org/fbs/resources/data/>]

11.8 EDUCATIONAL ATTAINMENT

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
High school graduate or higher , percent of persons age 25 years+, 2010-2014*	90.3%	87.4%	82.7%	88.4%	86.9%	88.7%	85.4%
Bachelor's degree or higher , percent of persons age 25 years+, 2010-2014*	18.4%	26.2%	21.5%	28.3%	25.1%	32.3%	27.8%
High school graduation** Percentage of ninth-grade cohort that graduates in four years, 2012-2013	87%	87%	89%	88%	89%	91%	83%
Some college** Percentage of adults ages 25-44 with some post-secondary education, 2010-2014	68.2%	67%	56.7%	62.4%	64.4%	66.8%	64.5%

* Source: US Census Bureau. Quick Facts.

<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>

** Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

2013 SAT Scores

	# Tested	% Tested	Math Score	CR Score ¹	Writing Score ³	M+CR ²	M+CR+W ³
Onslow Schools	746	55.3	483	478	453	961	1414
Dixon High	78	49.1	471	468	438	939	1377
Jacksonville High	146	64.0	490	482	450	972	1422
Northside High	90	47.1	465	476	442	941	1383
Richlands High	110	48.7	489	485	457	974	1431
Southwest High	75	55.6	461	447	448	908	1356
Swansboro High	96	50.0	511	505	478	1016	1494
White Oak High	151	68.9	481	473	452	954	1406

2014 SAT Scores

	# Tested	% Tested	Math Score	CR Score ¹	Writing Score ³	M+CR ²	M+CR+W ³
Onslow Schools	662	46.8	486	480	452	966	1418
Dixon High	78	49.1	491	497	468	988	1456
Jacksonville High	123	52.8	493	475	451	968	1419
Northside High	79	41.8	464	474	440	938	1378
Richlands High	84	37.2	480	475	447	955	1402
Southwest High	69	43.9	466	457	436	923	1359
Swansboro High	114	48.3	508	500	464	1008	1472
White Oak High	115	53.2	482	474	451	956	1407

2015 SAT Scores

	# Tested	% Tested	Math Score	CR Score ¹	Writing Score ³	M+CR ²	M+CR+W ³
Onslow Schools	647	48.8	484	478	457	962	1419
Dixon High	72	43.1	485	468	446	953	1399
Jacksonville High	122	56.2	498	488	465	986	1451
Northside High	97	46.0	444	452	431	896	1327
Richlands High	84	43.3	479	479	449	958	1407
Southwest High	69	51.9	474	477	457	951	1408
Swansboro High	80	42.6	507	487	469	994	1463
White Oak High	123	57.2	493	489	474	982	1456

NC Public Schools. SAT Scores. [<http://www.ncpublicschools.org/accountability/reporting/sat/2015>]

11.9 ECONOMIC

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
In civilian labor force, total, percent of population age 16 years+, 2010-2014	48.4	67.2	63.2	55.2	64.6	68.5	62.1
In civilian labor force, female, percent of population age 16 years+, 2010-2014	53.7	62.0	57.8	49.5	58.1	60.7	58.0
Total accommodation and food services sales, 2012 (\$1,000) (c)	353,051	427,974	290,679	170,035	289,578	192,873	18,622,258
Total health care and social assistance receipts/revenue, 2012 (\$1,000) (c)	491,728	568,063	1,153,608	581,872	758,713	533,877	55,227,505
Total manufacturers shipments, 2012 (\$1,000) (c)	270,979	1,757,916	5,850,929	2,625,038	3,628,934	3,645,446	202,344,646
Total merchant wholesaler sales, 2012 (\$1,000) (c)	139,069	1,600,273	4,053,833	740,515	1,232,988	1,449,136	105,275,586
Total retail sales, 2012 (\$1,000) (c)	2,213,042	2,920,274	2,607,313	1,330,773	2,249,922	1,943,631	120,691,007
Total retail sales per capita, 2012 (c)	12,076	15,828	16,893	12,292	13,828	9,321	12,376

* Source: US Census Bureau. Quick Facts. <https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>

11.10 EMPLOYMENT STATUS

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
Unemployment*, 2014	5.9%	5.6%	6.3%	4.8%	6.1%	5.1%	6.1%
Total employer establishments, 2014	2,757	4,057	4,023	2,502	4,432	4,215	219,897
Total employment, 2014	34,547	58,214	78,234	31,089	61,861	50,005	3,560,448
Total annual payroll, 2014	946,367	2,104,840	3,031,981	1,104,490	2,640,344	1,895,831	155,372,284
Total employment, percent change, 2013-2014	-0.2	0.9	3.0	2.7	2.8	5.3	4.1
Total nonemployer establishments, 2014	8,866	13,715	10,538	8,854	13,052	16,510	706,538
All firms, 2012	10,610	15,965	13,973	10,032	15,864	17,701	805,985
Men-owned firms, 2012	5,499	8,643	7,886	5,537	9,105	10,054	435,677
Women-owned firms, 2012	3,798	5,371	4,269	3,037	4,597	5,541	287,058
Minority-owned firms, 2012	1,660	2,829	1,320	947	1,609	2,977	183,380
Nonminority-owned firms, 2012	8,636	12,516	11,944	8,801	13,720	14,176	603,182
Veteran-owned firms, 2012	1,513	2,247	1,241	1,160	1,788	1,743	86,571
Nonveteran-owned firms, 2012	8,386	12,965	11,730	8,194	13,141	15,167	684,743

Source: US Census Bureau. Quick Facts. <https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>

* Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

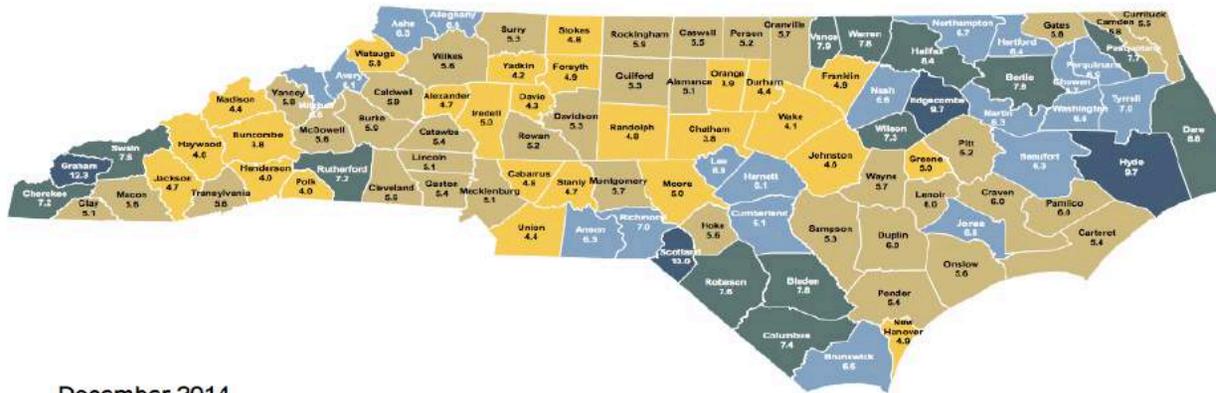
Transportation	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
Mean travel time to work (minutes), workers age 16 years+, 2010-2014	24.2	26.5	22.4	21.7	24.6	29.6	23.7

Source: US Census Bureau. Quick Facts. <https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>

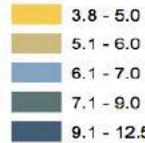
Employment Metrics	Currently	2015 Annual
April 2016 Prelim., 2015 Employment	61,251	60,103
April 2016 Prelim., 2015 Unemployment	3,549	3,856
April 2016 Prelim., 2015 Unemployment Rate	5.5%	6.0%
2015Q4 YTD, 2015 Announced Job Creation	--	--
2015Q4 YTD, 2015 Total Announced Investments (\$mil)	--	--

AccessNC. Community Profile. Onslow County. [<http://accessnc.commerce.state.nc.us/docs/countyProfile/NC/37133.pdf>]

North Carolina Unemployment Rates by County December 2014



December 2014



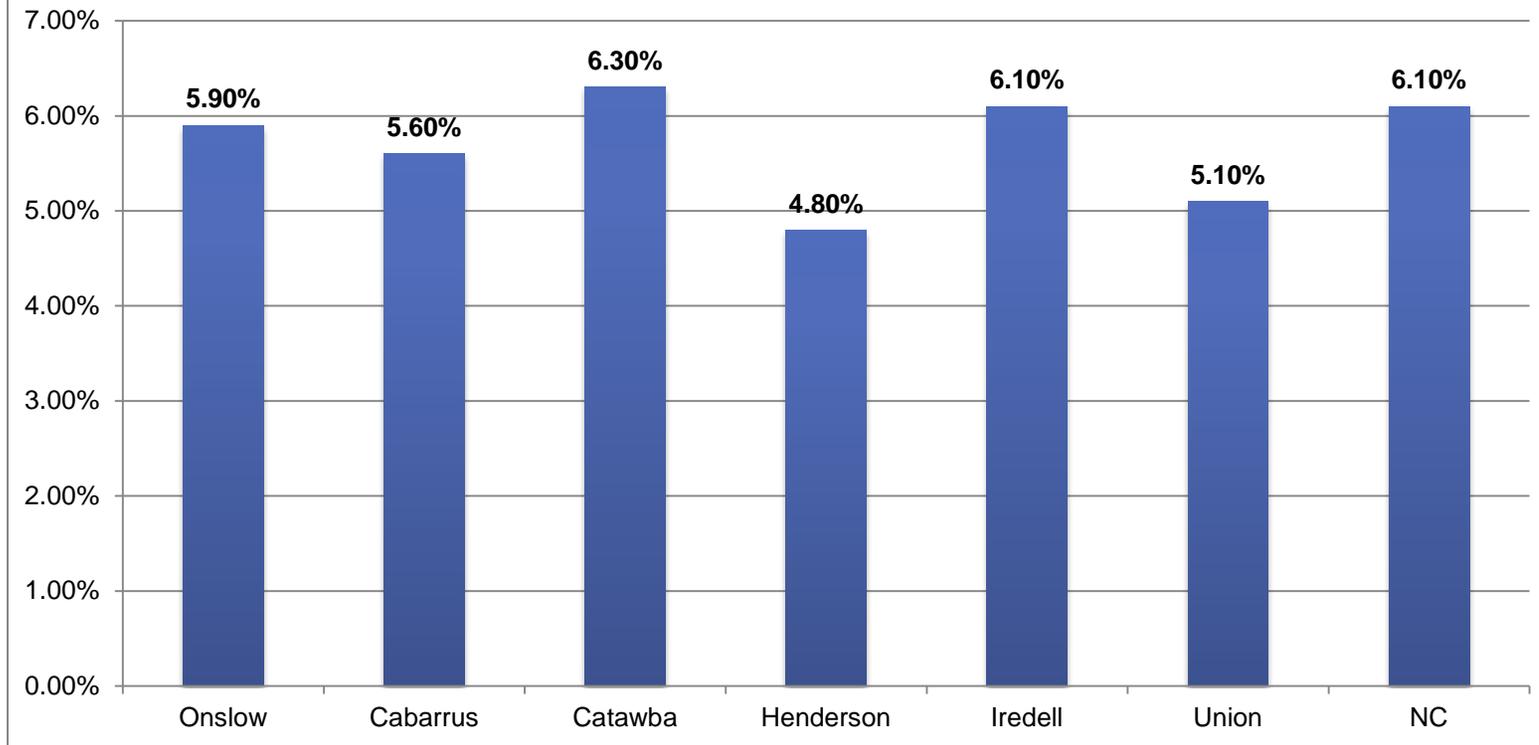
- ▲ 28 Counties Higher Than Previous Month
- ▼ 56 Counties Lower Than Previous Month
- ▬ 16 Counties Same as Previous Month

North Carolina Rate 5.2%
Not Seasonally Adjusted

Note: December 2014 data are preliminary.
Prepared by Labor & Economic Analysis Division, North Carolina Department of Commerce 1_2015

https://www.ncsc1.com/pmi/rates/PressReleases/County/NR_December2014_CountyRateRelease_M.pdf

Unemployment, 2014



Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

11.11 FOREIGN BORN

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
Foreign born persons, percent, 2010-2014	4.1	7.5	7.0	7.5	5.8	8.7	7.6

Source: US Census Bureau. Quick Facts.

<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>

11.12 LANGUAGE SPOKEN AT HOME

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
Language other than English spoken at home, percent of persons age 5 years+, 2010-2014	9.0%	11.4%	11.0%	10.6%	9.1%	12.7%	11.1%
Percent of households not proficient in English, 2010-2014*	0.7%	2.6%	3%	3.4%	1.6%	2.8%	2.7%

Source: US Census Bureau. Quick Facts.

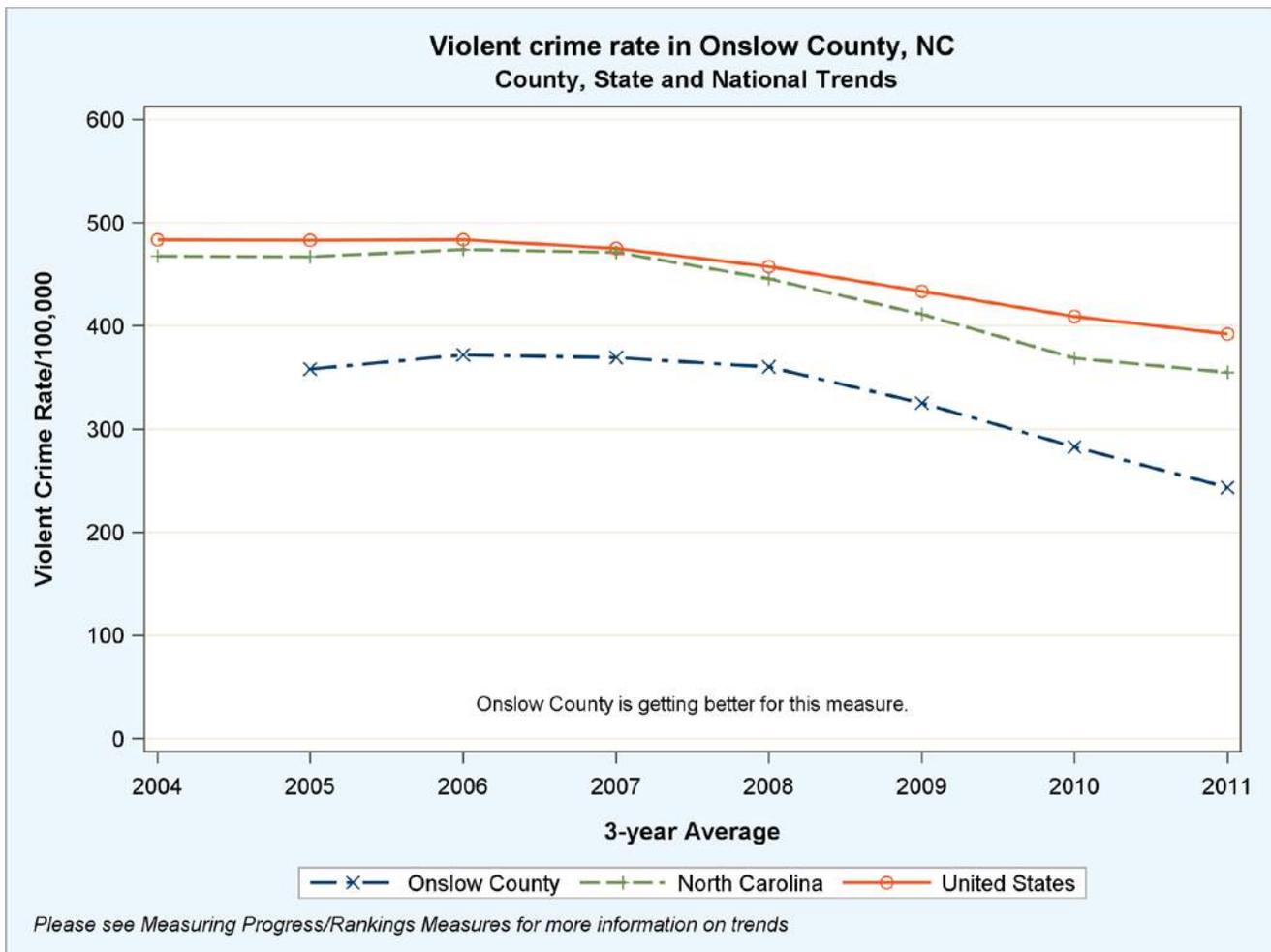
<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>

* Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

11.13 VIOLENCE AND CRIME

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
Violent crime Number of reported violent crime offenses per 100,000 population, 2010-2012	244	123	308	161	282	184	355

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]



Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

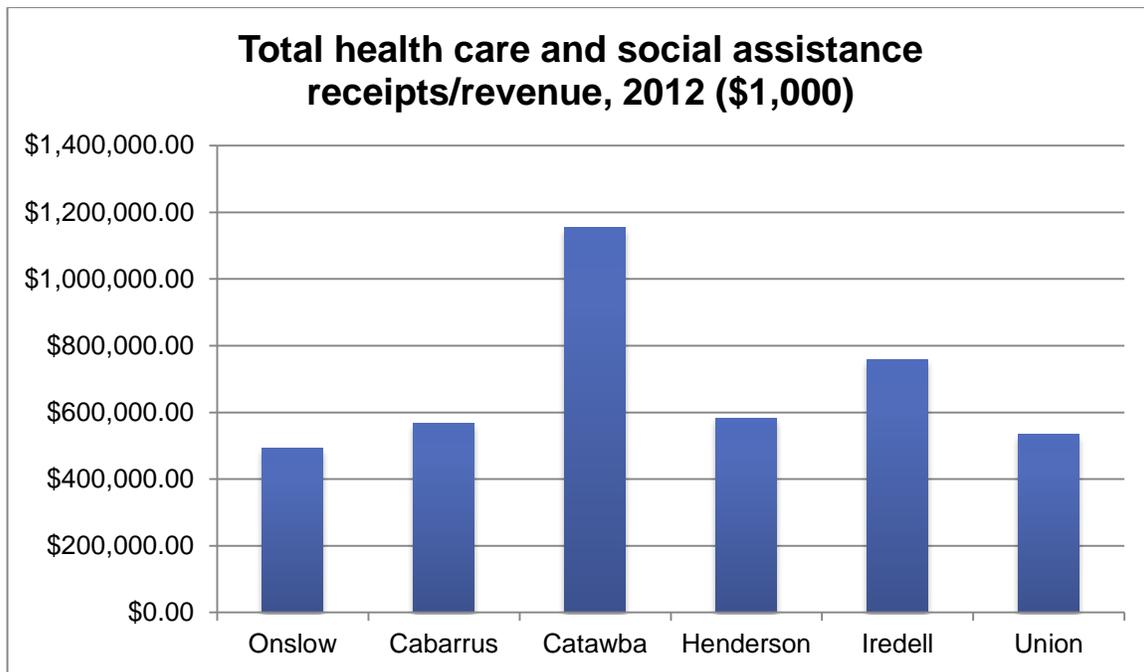
11.14 SOCIAL CAPITAL/SOCIAL SUPPORT

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
Total health care and social assistance receipts/revenue, 2012 (\$1,000)*	491,728	568,063	1,153,608	581,872	758,713	533,877	55,227,505
<u>Social associations</u> Number of membership associations per 10,000 population, 2013**	6.9	11.1	14.7	12.4	12.6	8	11.7

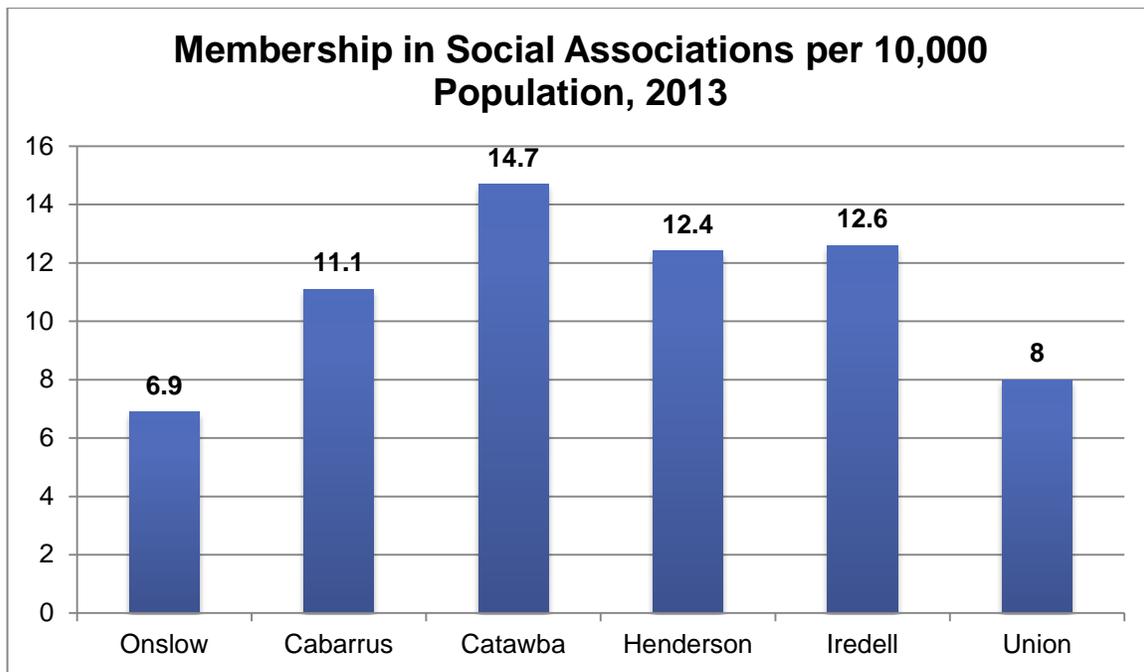
* Source: US Census Bureau. Quick Facts.

<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>

** Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]



Source: US Census Bureau. Quick Facts.
<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>



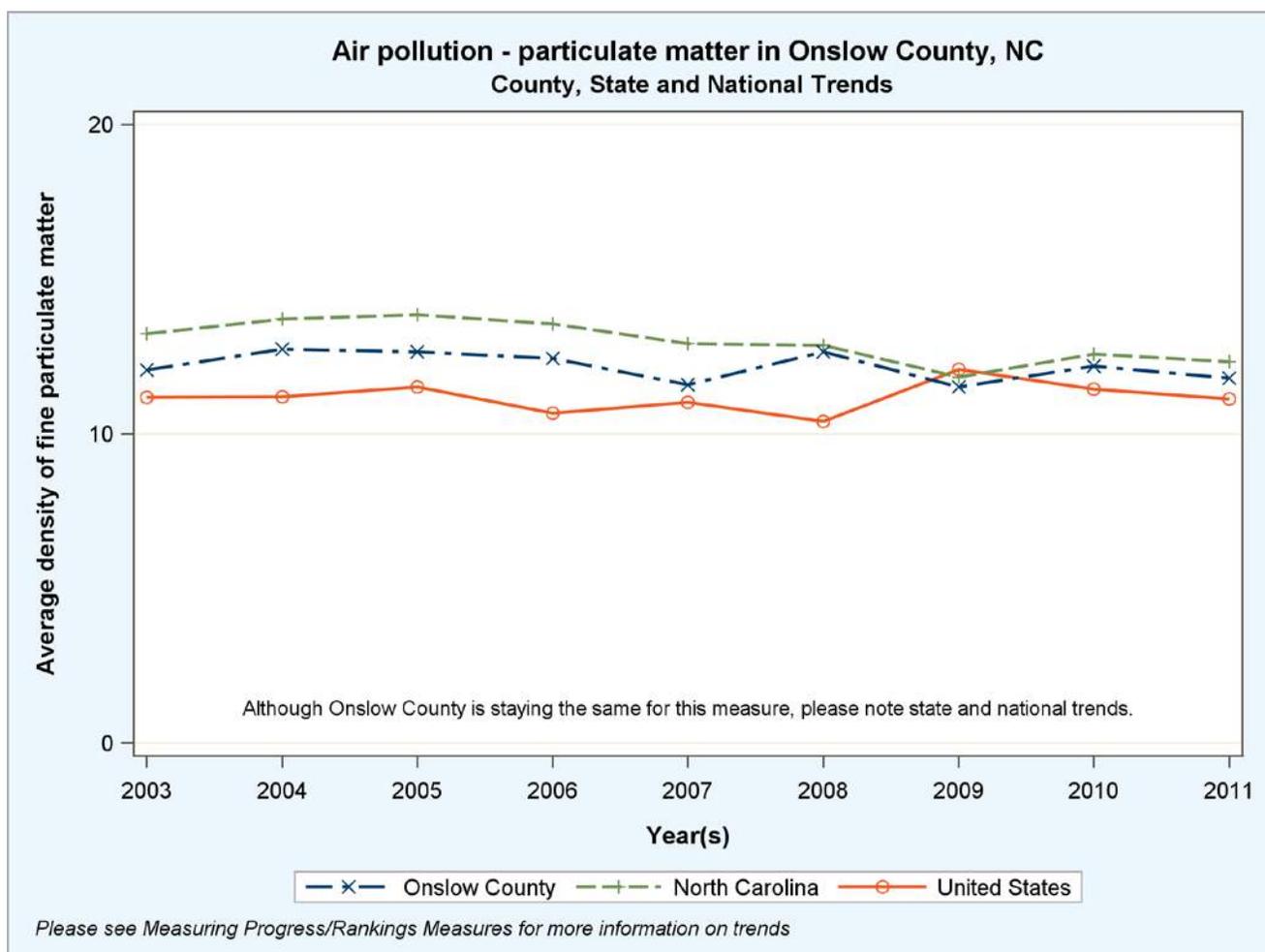
Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

12 Physical Environment

12.1 AIR QUALITY

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
<u>Air pollution - particulate matter</u> Average daily density of fine particulate matter in micrograms per cubic meter (PM2.5), 2001	11.8	12.6	12.8	13.1	12.8	12.5	12.3

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]



Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

12.2 WATER QUALITY

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
<u>Drinking water violations</u> presence or absence of health-based drinking water violations in counties served by community water systems, 2013-2014 *	Yes	Yes	No	Yes	Yes	No	--

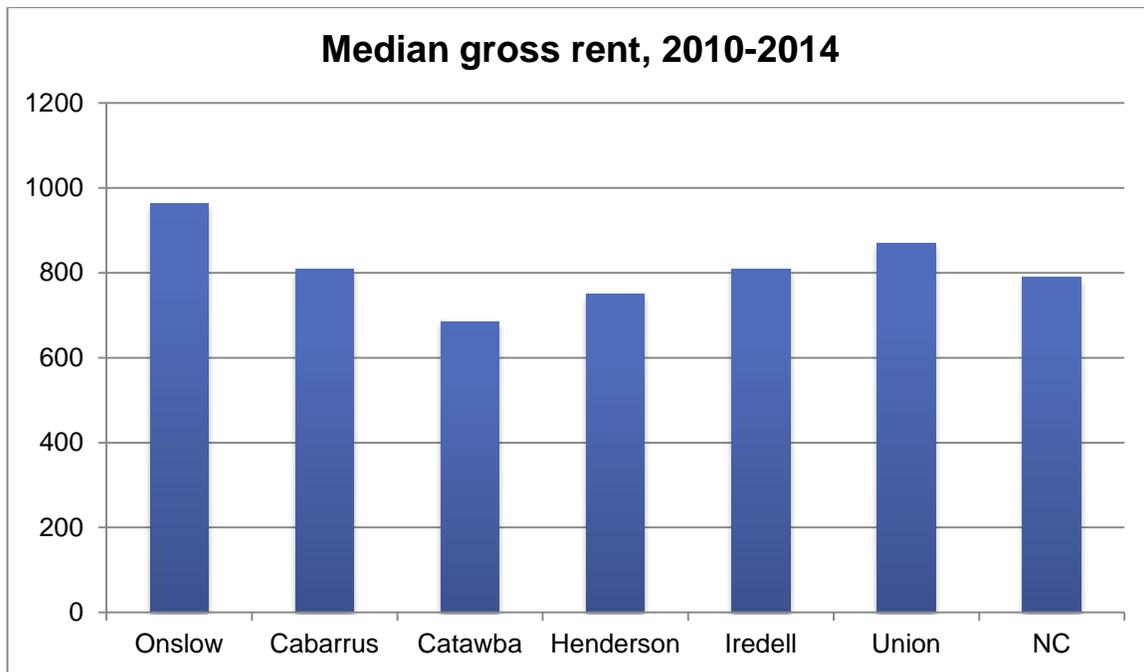
*A "Yes" indicates that at least one community water system in the county received a violation during the specified time frame, while a "No" indicates that there were no health-based drinking water violations in any community water system in the county.

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

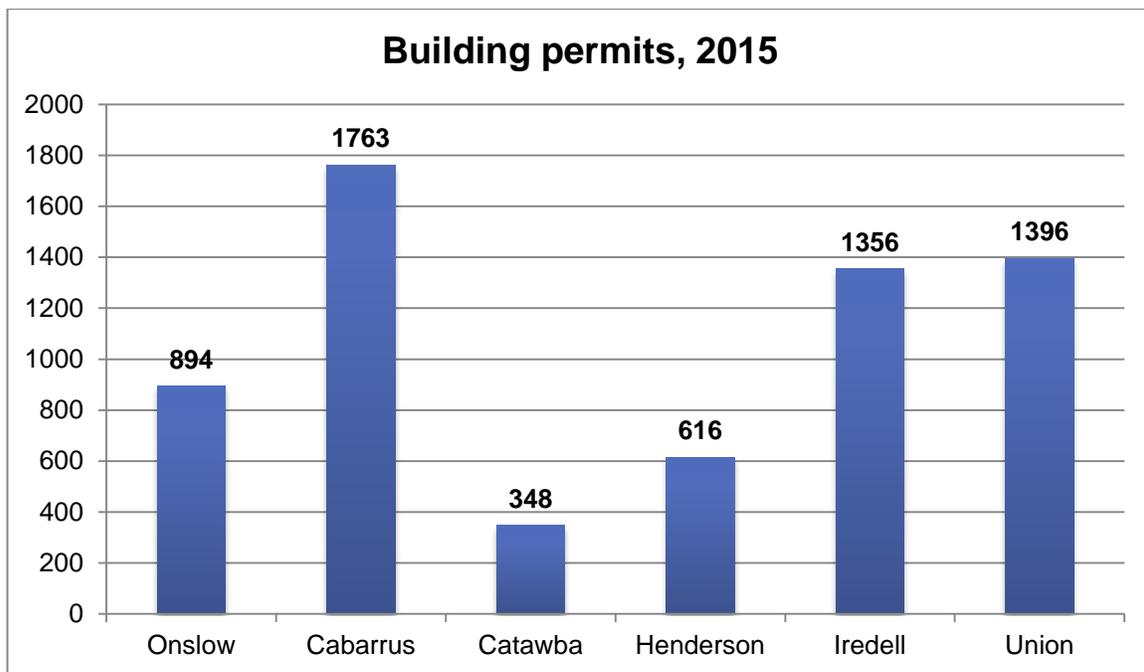
12.3 HOUSING, FAMILIES, AND LIVING ARRANGEMENTS

<i>Housing</i>	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
Housing units, July 1, 2015, (V2015)	76,926	76,892	67,872	55,664	70,906	77,794	4,490,948
Housing units, April 1, 2010	68,226	71,937	67,886	54,710	69,013	72,870	4,327,528
Owner-occupied housing unit rate, 2010-2014	53.7	72.5	70.3	73.7	72.8	81.0	65.8
Median value of owner-occupied housing units, 2010-2014	154,100	167,700	133,100	181,600	168,000	193,500	153,600
Median selected monthly owner costs -with a mortgage, 2010-2014	1,256	1,359	1,102	1,200	1,300	1,472	1,272
Median selected monthly owner costs -without a mortgage, 2010-2014	386	391	318	336	335	429	373
Median gross rent, 2010-2014	962	808	685	749	808	869	790
Building permits, 2015	894	1763	348	616	1,356	1,396	54,757
<i>Families and Living Arrangements</i>	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
Households, 2010-2014	61,147	65,693	58,424	45,534	60,277	69,464	3,742,514
Persons per household, 2010-2014	2.76	2.79	2.60	2.35	2.68	2.98	2.54
Living in same house 1 year ago, percent of persons age 1 year+, 2010-2014	73.4	88.4	88.1	85.7	87.6	87.7	84.7
Language other than English spoken at home, percent of persons age 5 years+, 2010-2014	9.0	11.4	11.0	10.6	9.1	12.7	11.1

Source: US Census Bureau. Quick Facts. <https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>



Source: US Census Bureau. Quick Facts.
<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>



Source: US Census Bureau. Quick Facts.
<https://www.census.gov/quickfacts/table/PST045215/37179,37097,37089,37035,37025,37133>

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
<u>% not proficient in English, 2010-2014</u>	0.7%	2.6%	3%	3.4%	1.6%	2.8%	2.7%
<u>Severe housing problems</u> Percentage of households with at least 1 of 4 housing problems: overcrowding, high housing costs, or lack of kitchen or plumbing facilities, 2008-2012	16%	15%	14%	14%	15%	13%	17%
<u>Children in single-parent households</u> Percentage of children that live in a household headed by single parent, 2010-2014	29%	28%	32%	27%	31%	23%	36%

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

12.4 TRANSPORTATION

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
<u>Driving alone to work</u> Percentage of the workforce that drives alone to work, 2010-2014	73%	83%	86%	81%	84%	81%	81%
<u>Long commute - driving alone</u> Among workers who commute in their car alone, the percentage that commute more than 30 minutes, 2010-2014	35%	40%	24%	25%	31%	48%	31%

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

13 Health Outcomes and Indicators in the Region

Many health outcomes and health factors impact populations across lines; therefore, Health Rankings are provided for neighboring NC counties below.

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
HEALTH OUTCOMES RANK	25	13	34	12	22	3	
Length of Life Rank	23	12	42	24	28	4	
Premature death	1556	1952	2126	1448	2069	1773	116,049
Quality of Life Rank	26	25	21	6	16	5	
Poor or fair health	18%	16%	16%	15%	15%	15%	19%
Poor physical health days	3.9	3.6	3.5	3.5	3.5	3.3	3.9
Poor mental health days	3.8	3.6	3.6	3.6	3.6	3.5	3.7
Low birth weight	7%	9%	9%	7%	9%	8%	9%
HEALTH FACTORS RANK	28	9	25	6	16	3	
Health Behaviors Rank	77	23	58	4	17	8	
Adult smoking	20%	18%	19%	16%	17%	17%	19%
Adult obesity	26%	28%	31%	29%	28%	27%	29%
Food environment index	6.3	7.3	6.6	24	7.3	8.2	6.7
Physical inactivity	23%	24%	30%	28%	23%	19%	25%
Access to exercise opportunities	61%	80%	62%	14%	73%	68%	75%
Excessive drinking	19%	15%	15%	14%	16%	16%	15%
Alcohol-impaired driving deaths	33%	22%	42%	26%	31%	30%	33%
Sexually transmitted infections	1481	666	542	210	466	459	48416
Teen birth rate	66	36	46	44	37	8	39
Clinical Care Rank	40	15	16	22	39	23	
Uninsured	16%	16%	18%	20%	18%	16%	18%
Primary care physicians	3,308:1	1,052:1	1,395:1	1,191:1	1,496:1	1,758:1	1414:1
Dentists	1,097:1	2,372:1	2,033:1	1,985:1	1,961:1	4,048:1	1909:1
Mental health providers	508:1	401:1	489:1	579:1	545:1	871:1	444:1
Preventable hospital stays	59	53	39	35	62	49	51
Diabetic monitoring	85%	89%	92%	87%	90%	92%	89%
Mammography screening	65%	68%	68%	69%	67%	65%	68%
Social & Economic Factors Rank	6	5	19	7	13	3	
High school graduation	87%	87%	89%	88%	89%	91%	83%
Some college	68.2%	67%	56.7%	62.4%	64.4%	66.8%	64.5%
Unemployment	5.9%	5.6%	6.3%	4.8%	6.1%	5.1%	6.1%
Children in poverty	20%	17%	23%	22%	19%	15%	24%
Income inequality	3.5	4.1	4.1	4.3	4.4	4	4.8
Children in single-parent households	29%	28%	32%	27%	31%	23%	36%
Social associations	6.9	11.1	14.7	12.4	12.6	8	11.7
Violent crime rate	244	123	308	161	282	184	355
Injury deaths	54	63	76	87	65	42	63
Physical Environment Rank	13	81	36	66	85	19	
Air pollution - particulate matter	11.8	12.6	12.8	13.1	12.8	12.5	12.3
Drinking water violations	Yes	Yes	No	Yes	Yes	No	

	Onslow	Cabarrus	Catawba	Henderson	Iredell	Union	North Carolina
Severe housing problems	16%	15%	14%	14%	15%	13%	17%
Driving alone to work	73%	83%	86%	81%	84%	81%	81%
Long commute - driving alone	35%	40%	24%	25%	31%	48%	31%

Source: Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute. 2016 County Health Rankings [<http://www.countyhealthrankings.org/>]

14 Southeastern North Carolina Regional Health Collaborative

The Southeastern North Carolina Regional Health Collaborative (SENCRHC) was initiated in February, 2013 as a collaborative effort between UNCW College of Health and Human Services and the health directors of the following five counties: Brunswick, Columbus, New Hanover, Onslow, and Pender. A regional health assessment was undertaken in 2013 as an extension of previous work, the 3-county report, FOCUS Health and Wellness Gap Analysis, which was completed in July 2014. The FOCUS Health and Wellness Gap Analysis included Brunswick, New Hanover, and Pender Counties—three of the five counties in the Southeastern North Carolina Regional Health Collaborative. In January 2015, the five-county report was completed and published. This report is entitled, *Planning for Public Health: A Regional Assessment for Creating Healthy Communities* and is available on the UNCW SENCRC web page.

14.1 ONSLOW COUNTY HEALTH AND WELLNESS PRIORITY AREAS

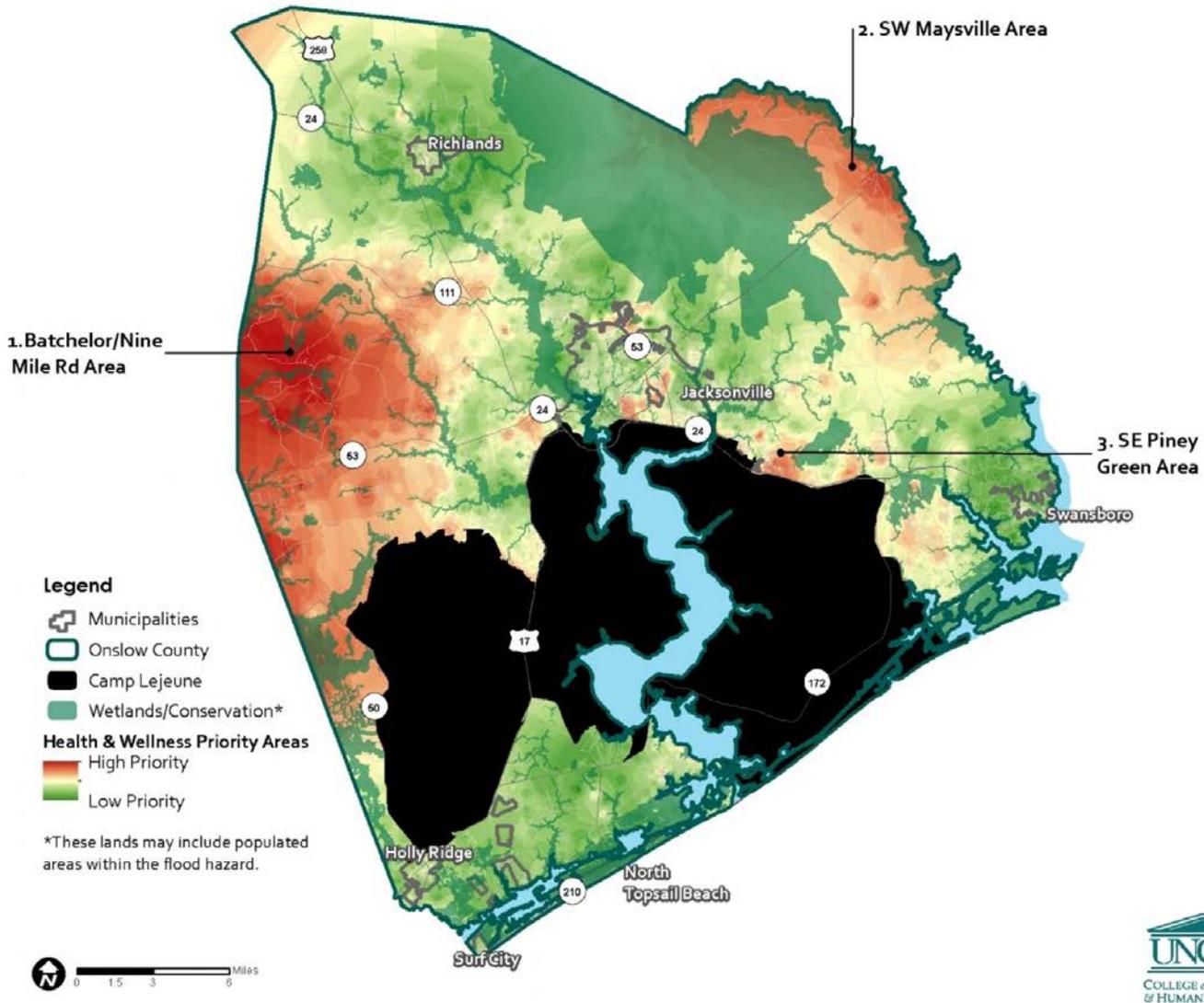
As part of the regional health assessment, health and wellness priority areas were identified. These priority areas were developed through an analysis of health indicators created as part of the planning process combined in a weighted overlay analysis based on 2010 Census data, built environment amenities, and proximity to facilities that support healthy lifestyles. Each of these health indicators were weighted by the Health and Wellness Advisory Committee based on the indicators' impact on health outcomes. Socioeconomic Status (SES) was ranked as the most significant factor in determining health outcomes throughout the region. A Health and Wellness Priority Areas Map was created for each county in the SENCRC region. The Health and Wellness Priority Areas Map and supporting information for Onslow County is found on the following pages. Three specific priority areas were selected based upon their need for services.

Three specific areas of concern in Onslow County were identified as priority areas: Batchelor/Nine Mile Rd Area, SW Maysville Area, and SE Piney Green Area. Of particular concern, is the rural, unincorporated portion of the county that borders Pender County. Residents within the Batchelor/Nine Mile Road area face long commute times and lack access to healthcare providers,

full-service grocery stores, and physical activity facilities. The SW Maysville area also lacks access to healthcare providers and physical activity facilities. Issues identified by the analysis for the Piney Green community (just southeast of the City of Jacksonville) include the need to increase physical activity and non-motorized transportation opportunities, in addition to providing fixed-route transit options.

Table 17. Onslow County Health & Wellness Priority Areas			
Goal	Batchelor/Nine Mile Rd Area	SW Maysville Area	SE Piney Green Area
1) Explore Strategies to Decrease Commute Times	●	●	○
2) Increase Access to Healthcare Providers	●	●	◐
3) Increase Access to Dental Facilities	●	◐	○
4) Increase Social Cohesion and Provide Health Education	◐	●	○
5) Increase Access To Full-Service Grocery Stores	●	○	○
6) Increase Access To Active Transportation Facilities	●	●	◐
7) Increase Elderly Transit Access	○	○	◐
8) Increase Access to Physical Activity Facilities	●	◐	◐

Table 17 Legend	
Low Priority	○
Moderate Priority	◐
High Priority	●



Source: Southeastern NC Regional Health Collaborative, Planning for Public Health: A Regional Assessment for Creating Healthy Communities, Jan 2015 [<http://uncw.edu/senchrhc/CountyHealthAssessment.html>]

