



2016

DRIVE YOUR COUNTY TO THE
TOP TEN

INFORMING • CONNECTING • ACCELERATING

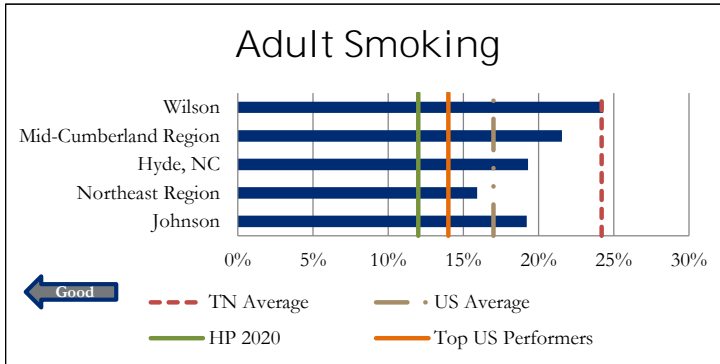
Johnson County

TN

Department of
Health

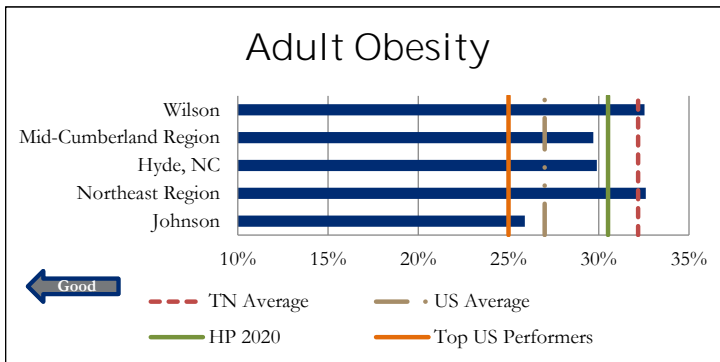
Demographics

Population:	17,859	<18 YOA:	17.49%	65+ YOA:	20.54%	% Rural:	85.20%
Unemployment:	6.97%	% Females:	46.50%	% Males:	53.50%	Graduation Rate:	97.50%
Single parent households:	17.37%	MHI:	\$31,330				



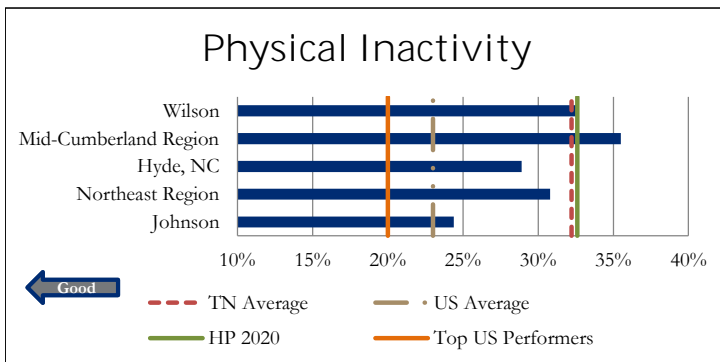
Top Third

Measure	Value
Access to Exercise Opportunities	100.00%
Alcohol-Impaired Driving Deaths	5.56%
Sexually Transmitted Infections	71.84
High School Graduation	97.50%
Children in Single-Parent Households	17.37%
Air Pollution - Particulate Matter	13.00
Driving Alone to Work	79.19%
Adult Obesity	29.70%
Social Associations	16.13
Preventable Hospital Stays	56.68



Middle Third

Measure	Value
Mental Health Providers	1786:1
Injury Deaths	83.75
Diabetic Monitoring	87.16%
Income Inequality	4.53
Physical Inactivity	35.50%
Excessive Drinking	11.30%
Long Commute - Driving Alone	38.40%
Poor Physical Health Days	4.90
Poor or Fair Health	22.80%
Poor Mental Health Days	4.80



Bottom Third

Measure	Value
Children in Poverty	35.30%
Some College	37.14%
Uninsured	18.03%
Teen Births	56.13
Violent Crime	476.06
Adult Smoking	24.30%
Low Birthweight	9.25%
Primary Care Physicians	2996:1
Dentists	4465:1



Tennessee's Big 3 + 1

Why were these charts selected? The "Big 3 + 1" directly influences at least six of the top ten leading causes of death in Tennessee, and also directly influence other public health threats, such as heart disease, cancer, and diabetes. Overall, the Big Three plus One influences two-thirds of the factors that contribute to Tennessee's overall rank.

Comparative Counties:

Each graph provides the Tennessee county with its respective region and three non-Tennessee comparative counties from around the US based on county-level demographics. The vertical lines represent: the TN Average, the US Average, Top US Performers (top 10%) and the Healthy People 2020 (HP) Goal. For all measures a decrease (shift left) in percentage represents improvement.

YOYA: Years of Age. MHI: Median Household Income. HP 2020: Healthy People 2020 Goal. Adult Smoking: Percentage of adults who are current smokers. Source: Behavioral Risk Factor Surveillance System; 2006-2012. Adult Obesity: Percentage of adults that report a BMI of 30 or more. Source: CDC Diabetes Interactive Atlas; 2011. Physical Inactivity: Percentage of adults aged 20 and over reporting no leisure-time physical activity. Source: CDC Diabetes Interactive Atlas; 2011. Prepared by the Division of Administrative Services, Tennessee Department of Health. Nashville, TN. admin.health@tn.gov or 615-741-5001.

Health Outcomes	Length of Life	Premature Death									
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
		29	Knox	8980.80	7735.80	1245.00	↑Bad ↓Good	6,600.00	Avery, NC	6874.60	
		For every 100 people in the county, 1 people in the county need to live one year closer to age 75.							Tyler, TX	11563.80	
		Source		National Center for Health Statistics - Mortality files			Year(s)	2011-2013	Hyde, NC	8268.30	
Health Outcomes	Quality of Life	Poor or Fair Health*									
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
		60	Rutherford	22.80%	19.60%	3.20%	↑Bad ↓Good	18.00%	Avery, NC	17.70%	
		Improve the health of 4 out of every 100 people in the county who, in general, report being in poor or fair health.							Tyler, TX	15.20%	
		Source		Behavioral Risk Factor Surveillance System			Year(s)	2014	Hyde, NC	19.10%	
		Percentage of adults reporting fair or poor health (age-adjusted)									
	Quality of Life	Poor Physical Health Days*									
		Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
		54	Knox	4.90	4.30	0.60	↑Bad ↓Good	3.8	Avery, NC	3.90	
		Engage people in the county on ways to reduce number of poor physical health days reported by residents by 1 days per month.							Tyler, TX	3.40	
		Source		Behavioral Risk Factor Surveillance System			Year(s)	2014	Hyde, NC	3.90	
		Average number of physically unhealthy days reported in past 30 days (age-adjusted)									
Quality of Life	Poor Mental Health Days*										
	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	60	Williamson	4.80	3.80	1.00	↑Bad ↓Good	2.8	Avery, NC	3.80		
	Engage people in the county on ways to reduce number of poor physical health days reported by residents by 1 days per month.							Tyler, TX	3.10		
	Source		Behavioral Risk Factor Surveillance System			Year(s)	2014	Hyde, NC	3.70		
	Average number of mentally unhealthy days reported in past 30 days (age-adjusted)										
Quality of Life	Low Birthweight										
	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	66	Pickett	9.25%	7.24%	2.01%	↑Bad ↓Good	8.00%	Avery, NC	7.04%		
	Reduce the number of low birth weight babies by 3 for every 100 live births.							Tyler, TX	8.41%		
	Source		National Center for Health Statistics - Natality files			Year(s)	2007-2013	Hyde, NC	8.77%		
	Percentage of live births with low birthweight (< 2500 grams)										
Health Factors	Health Behaviors	Adult Smoking*									
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
		68	Humphreys	24.30%	21.10%	3.20%	↑Bad ↓Good	17.00%	Avery, NC	19.20%	
		Get 14 out of every 100 current adult smokers in the county to quit smoking.							Tyler, TX	15.90%	
		Source		Behavioral Risk Factor Surveillance System			Year(s)	2014	Hyde, NC	19.30%	
		Percentage of adults who are current smokers									
	Health Behaviors	Adult Obesity									
		Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
		9	Knox	29.70%	28.70%	1.00%	↑Bad ↓Good	27.00%	Avery, NC	25.90%	
		Get 4 out of every 100 current obese adults in the county to reduce their BMI below 30.							Tyler, TX	32.60%	
		Source		CDC Diabetes Interactive Atlas			Year(s)	2012	Hyde, NC	29.90%	
		Percentage of adults that report a BMI of 30 or more									
Health Behaviors	Food Environment Index										
	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	62	Cannon	6.70	7.9	1.2	↑Good ↓Bad	7.20	Avery, NC	7.60		
	Increase the county's food index score by 1.2.							Tyler, TX	4.00		
Source		USDA Food Environment Atlas, Map the Meal Gap			Year(s)	2013	Hyde, NC	4.10			
Index of factors that contribute to a healthy food environment, 0 (worst) to 10 (best)											

Prepared by the Division of Administrative Services, Tennessee Department of Health, Nashville, TN. May 2016. admin.health@tn.gov or 615-741-9398. The full report can be accessed at: <http://tn.gov/health/topic/specialreports>. All data is from the University of Wisconsin Population Health Institute and Robert Wood Johnson Foundation's, 2015 County Health Rankings and Roadmaps report. Difference statements represent the absolute value using the following formula: ["Value" - "10th Ranked Value"]. *The action statements are based on the assumption that no new additional cases occur. **Data should not be compared with prior years due to changes in definition/methods. All rankings and action statements presented in this report must be interpreted with caution due to various limitations of each measurement. Further information with regards to the strengths and limitations of each measurement may be found by clicking the hyperlink found in the description of each measurement.

Health Factors	Health Behaviors	Physical Inactivity		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		41	Shelby	35.50%	30.20%	5.30%	↑Bad ↓Good	23.00%	Avery, NC	24.40%		
Percentage of adults aged 20 and over reporting no leisure-time physical activity		Get 15 out of every 100 currently physically inactive adults to exercise during leisure time.										
Source		CDC Diabetes Interactive Atlas				Year(s)		2012	Hyde, NC	28.90%		
Access to Exercise Opportunities		Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Percentage of population with adequate access to locations for physical activity		1	Johnson	100.00%	100.00%	0.00%	↑Good ↓Bad	84.00%	Avery, NC	100.00%		
		No action required.										
Source		Business Analyst, Delorme, ESRI, & US Census Tigerline Files				Year(s)		2010 & 2014	Hyde, NC	26.52%		
Excessive Drinking		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Percentage of adults reporting binge or heavy drinking		41	Benton	11.30%	10.60%	0.70%	↑Bad ↓Good	17.00%	Avery, NC	15.10%		
		Get 7 out of every 100 adults in the county that currently drink to excess (binge and heavy drinkers) to stop drinking more than one (women) or two (men) drinks per day on average.										
Source		Behavioral Risk Factor Surveillance System				Year(s)		2014	Hyde, NC	14.40%		
Alcohol-Impaired Driving Deaths		Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Percentage of driving deaths with alcohol involvement		1	Johnson	5.56%	5.56%	0.00%	↑Bad ↓Good	31.00%	Avery, NC	27.27%		
		No action required.										
Source		Fatality Analysis Reporting System				Year(s)		2010-2014	Hyde, NC	14.29%		
Sexually Transmitted Infections		Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Number of newly diagnosed chlamydia cases per 100,000 population		2	Grundy	71.84	58.61	13.23	↑Bad ↓Good	446.60	Avery, NC	68.05		
		Consider ways to educate 2 out of every 10 persons self-reporting to be involved in any sexual contact to commit to using safe sex practices to prevent the infection of Chlamydia.										
Source		National Center for HIV/AIDS, Viral Hepatitis, STD, & TB Prevention				Year(s)		2013	Hyde, NC	221.88		
Teen Births		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Teen birth rate per 1,000 female population, ages 15-19		73	Putnam	56.13	34.87	21.25	↑Bad ↓Good	35.00	Avery, NC	25.26		
		For every 100 teenage females (ages 15 to 19 years) in the county, consider ways to prevent 38 teen(s) from becoming pregnant.										
Source		National Center for Health Statistics - Natality files				Year(s)		2007-2013	Hyde, NC	38.10		
Uninsured		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Percentage of population under age 65 without health insurance		75	Cheatham	18.03%	14.54%	3.49%	↑Bad ↓Good	17.00%	Avery, NC	24.60%		
		Get 20 out of every 100 currently uninsured adults ages 18-64 to obtain health insurance.										
Source		Small Area Health Insurance Estimates				Year(s)		2013	Hyde, NC	23.34%		
Primary Care Physicians		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Ratio of population to primary care physicians		65	Coffee	2996:1	1368:1	1628	↑Bad ↓Good	1320:1	Avery, NC	1476:1		
		To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 49 primary care providers would need to be recruited to the county. More importantly, if the county's value is greater than 3,500, this county would be considered a Health Professional Shortage Area.										
Source		Area Health Resource File/American Medical Association				Year(s)		2013	Hyde, NC	5721:1		
Dentists		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Ratio of population to dentists		65	Dickson	4465:1	1744:1	2721	↑Bad ↓Good	1540:1	Avery, NC	5924:1		
		To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 43 dental care providers would need to be recruited to the county. More importantly, if the county's value is greater than 5,000, this county would be considered a Health Professional Shortage Area.										
Source		Area Health Resource File/National Provider Identification file				Year(s)		2014	Hyde, NC			

Health Factors

Health Behaviors

Clinical Care

Health Factors		Clinical Care	Mental Health Providers		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
			33	Henry	1786:1	644:1	1142	↑Bad ↓Good	490:1	Avery, NC	273:1			
			Ratio of population to mental health providers To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 122 mental health providers would need to be recruited to the county. More importantly, if the county's value is greater than 30,000, this county would be considered a Health Professional Shortage Area.										Tyler, TX	3570:1
			Source		CMS, National Provider Identification file			Year(s)		2015		Hyde, NC	946:1	
		Clinical Care	Preventable Hospital Stays		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
			11	Anderson	56.68	50.27	6.41	↑Bad ↓Good	54.00	Avery, NC	84.73			
			Number of hospital stays for ambulatory-care sensitive conditions per 1,000 Medicare enrollees For every 100 Medicare enrollees, prevent 1 Medicare enrollees from being hospitalized for ambulatory-care sensitive conditions.										Tyler, TX	87.49
			Source		Dartmouth Atlas of Health Care			Year(s)		2013		Hyde, NC	52.23	
		Clinical Care	Diabetic Monitoring		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
			39	Giles	87.16%	89.20%	2.04%	↑Good ↓Bad	63.00%	Avery, NC	83.66%			
			Percentage of diabetic Medicare enrollees ages 65-75 that receive HbA1c monitoring For every 100 diabetic Medicare enrollees, get 3 additional Medicare enrollees to receive HbA1c screening.										Tyler, TX	81.90%
			Source		Dartmouth Atlas of Health Care			Year(s)		2013		Hyde, NC	93.75%	
		Clinical Care	Mammography Screening		Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
			26	Cumberland	62.00%	71.00%	9.00%	↑Good ↓Bad	63.00%	Avery, NC	63.00%			
			Percentage of female Medicare enrollees ages 67-69 that receive mammography screening For every 100 female Medicare enrollees, get 9 additional Medicare enrollees to receive their mammography screening.										Tyler, TX	48.00%
			Source		Dartmouth Atlas of Health Care			Year(s)		2013		Hyde, NC	78.00%	
		Social & Economic Factors	High School Graduation		Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
			2	Tipton	97.50%	98.00%	0.50%	↑Good ↓Bad	82.00%	Avery, NC	81.99%			
			Percentage of ninth-grade cohort that graduates in four years For every 100 ninth graders, assist 1 additional ninth graders to graduate within four years.										Tyler, TX	88.06%
			Source		EDFacts			Year(s)		2012-2013		Hyde, NC	NA	
		Social & Economic Factors	Some College		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
			80	Shelby	37.14%	62.28%	25.14%	↑Good ↓Bad	64.00%	Avery, NC	56.70%			
			Percentage of adults ages 25-44 years with some post-secondary education For every 100 adults between 25-44 years of age, assist 26 additional adults to complete some coursework at the collegiate level.										Tyler, TX	44.72%
			Source		American Community Survey			Year(s)		2010-2014		Hyde, NC	44.56%	
		Social & Economic Factors	Unemployment		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
			31	Robertson	6.97%	5.69%	1.28%	↑Bad ↓Good	6.20%	Avery, NC	6.35%			
			Percentage of population ages 16 and older unemployed but seeking work For every 100 persons ages 16 years and older, help 2 persons successfully find employment.										Tyler, TX	8.00%
			Source		Bureau of Labor Statistics			Year(s)		2014		Hyde, NC	8.91%	
		Social & Economic Factors	Children in Poverty		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
			89	Dickson	35.30%	21.10%	14.20%	↑Bad ↓Good	22.00%	Avery, NC	31.70%			
			Percentage of children under age 18 in poverty For every 100 children (under 18 years) in poverty, help 41 children to find assistance to get out of poverty.										Tyler, TX	26.30%
			Source		Small Area Income and Poverty Estimates			Year(s)		2014		Hyde, NC	28.70%	
		Social & Economic Factors	Income Inequality		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
			40	Houston	4.53	4.11	0.42	↑Bad ↓Good	4.70	Avery, NC	4.35			
			Ratio of household income at the 80th percentile to income at the 20th percentile To reach a household income ratio at or below that of the 10th ranking county reduce the gap between the 80th percentile and 20th percentile by 1 household(s).										Tyler, TX	4.34
			Source		American Community Survey			Year(s)		2010-2014		Hyde, NC	2.88	

Health Factors	Social & Economic Factors	Children in Single-Parent Households	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		Percentage of children that live in a household headed by single parent	2	Williamson	17.37%	14.79%	2.58%	↑Bad ↓Good	34.00%	Avery, NC	20.24%
For every 100 single parent households in the county, investigate ways to encourage 15 households to be a multi-parent household.								Tyler, TX	30.11%		
Source			American Community Survey			Year(s)		2010-2014	Hyde, NC	51.41%	
Social Associations	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	10	Crockett	16.13	17.82	1.69	↑Good ↓Bad	9.00	Avery, NC	18.63		
Number of membership associations per 10,000 population	For every 100 people in the county, increase the number of membership associations by 1.								Tyler, TX	14.44	
	Source			County Business Patterns			Year(s)		2013	Hyde, NC	12.24
Violent Crime	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	71	Carter	476.06	206.33	269.73	↑Bad ↓Good	392.00	Avery, NC	130.75		
Number of reported violent crime offenses per 100,000 population	For every 100 persons in the county, prevent 57 people from committing a violent crime.								Tyler, TX	359.20	
	Source			Uniform Crime Reporting - FBI			Year(s)		2010-2012	Hyde, NC	NA
Injury Deaths	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	36	Washington	83.75	70.04	13.71	↑Bad ↓Good	60.00	Avery, NC	80.10		
Number of deaths due to injury per 100,000 population	For every 1,000 population consider ways to prevent 164 deaths as a result of intentional and unintentional injury.								Tyler, TX	96.22	
	Source			CDC WONDER mortality data			Year(s)		2009-2013	Hyde, NC	62.10
Air Pollution - Particulate Matter	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	2	Shelby	13.00	12.83	0.17	↑Bad ↓Good	11.40	Avery, NC	13.01		
Average daily density of fine particulate matter in micrograms per cubic meter (PM2.5)	Reduce the average daily measure of fine particulate matter by 0.17 micrograms per cubic meter (PM2.5).								Tyler, TX	9.19	
	Source			CDC WONDER Environmental data			Year(s)		2011	Hyde, NC	11.46
Drinking Water Violations	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	No Rank	NA	Yes	No	NA	NA	NA	Avery, NC	Yes		
Percentage of population potentially exposed to water exceeding a violation limit during the past year	At least one community water system in the county receive a violation during the specific timeframe								Tyler, TX	Yes	
	Source			Safe Drinking Water Information System			Year(s)		FY2013-14	Hyde, NC	No
Severe Housing Problems	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	61	Unicoi	14.51%	11.70%	2.81%	↑Bad ↓Good	19.00%	Avery, NC	14.58%		
Percentage of households with at least 1 of 4 housing problems: overcrowding, high housing costs, or lack of kitchen or plumbing facilities	For every 100 persons in the county experiencing housing problems, help 20 person(s) to find housing assistance.								Tyler, TX	12.53%	
	Source			Comprehensive Housing Affordability Strategy (CHAS) data			Year(s)		2008-2012	Hyde, NC	14.39%
Driving Alone to Work	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	5	Perry	79.19%	75.39%	3.80%	↑Bad ↓Good	76.00%	Avery, NC	80.99%		
Percentage of the workforce that drives alone to work	For every 100 persons that currently drive alone to work, convince 5 to carpool or take mass-transportation.								Tyler, TX	75.15%	
	Source			American Community Survey			Year(s)		2010-2014	Hyde, NC	63.04%
Long Commute - Driving Alone	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	52	Hamilton	38.40%	25.20%	13.20%	↑Bad ↓Good	31.00%	Avery, NC	35.80%		
Among workers who commute in their car alone, the percentage that commute more than 30 minutes	For every 100 persons that currently drive more than 30 minutes alone to work, convince 35 to carpool or take mass-transportation.								Tyler, TX	44.20%	
	Source			American Community Survey			Year(s)		2010-2014	Hyde, NC	21.20%