

INTRODUCTION

Assessing the health and well-being of the Wake County community is complex because of multiple influences that affect lives. These include socio-economic, environmental, individual lifestyle and heredity factors. To better understand how these components affect our community and to inform decision making about community priorities, 35 measurable indicators were identified by members of INFORM, Wake County Human Services data management group. They were selected by examining:

- Demographics and Social Determinants of Health
- Wake County's Community Health Needs Assessment Priorities
- County Health Rankings
- Wake County Board of Commissioners Goals
- Wake County Human Services Board Priorities

This report provides integrated, overall population data in one place to monitor these key indicators for Wake County Human Services. It is not the purpose of this report to provide details about how sub-populations are affected differently compared to the general Wake County population. These details to identify and monitor health disparities (e.g. by geography and other demographics such as age, race, and ethnicity) are provided in other reports for example at (<http://www.wakegov.com/humanservices/data/Pages/publichealth.aspx>).

This report is divided into three sections:

- County Profile. Pages 3 through 8 provide a “snapshot” of the socio- economic conditions in the Wake County community compared with national data.
- Community Health. Pages 9 through 13 feature indicators that measure health outcomes and health factors.
- Physical Environment. Page 14 provides indicators that measure a healthy food environment, physical activity, and water and air pollution.

Both the Community Health and Physical Environment sections show either state or national benchmarks against which Wake County indicators can be compared. This is the third annual report for these indicators.

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WAKE COUNTY SOCIO-ECONOMIC PROFILE

POPULATION

Indicator	Measurement	Data		Wake County Trend (since 2014 Report)	National Comparison	Source
		Time Frame	5 Year Profile			
1) Growth	Annual % and numeric change in natural increase and net migration [birth, death, migration]	2.5% (24,927) as of July 1, 2015	952,513 (2010-14 5 year ACS)	Increase of 2.5% 	.008% (2,511,419) as of July 1, 2015	US Census Bureau PEPTCOMP: Estimates of the Components of Resident Population Change: April 1, 2010 to July 1, 2015
2) Density	Population per square mile	1,227 (as of July 1, 2015)	1,141 (2014 ACS 5 year)	Increase of 57 persons per square mile 	90 (as of July 1, 2015)	US Census Bureau PEPANRES: Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2015/land area
3) Dependency	Percentage of total population under age 18 or 65 and over	35% (2014 ACS 1-year)	35% (2014 ACS 5 year)	No change	38% (2014 ACS 1 year)	US Census Bureau http://factfinder.census.gov/1 and 5 year American Community Survey (ACS)
4) Poverty	% population at or below 100% poverty level	11.6% (2014 ACS 1 year)	11.3% (2014 ACS 5 year)	Increase of 0.9% 	15.5% (2014 ACS 1 year)	US Census Bureau http://factfinder.census.gov/1 and 5 year American Community Survey (ACS)

WAKE COUNTY SOCIO-ECONOMIC PROFILE

ECONOMY

Indicator	Measurement	Data		Wake County Trend (since 2014 Report)	National Comparison	Source
		Time Frame	5 Year Profile			
5) Median Household Income	Median household income	\$66,634 (2014 ACS 1 year)	\$66,579 (2014 ACS 5 year)	Increase of \$1,474 	\$53,657 (2014 ACS 1 year)	US Census Bureau http://factfinder.census.gov 1 and 5 year American Community Survey (ACS)
6) Building Permits	Annual % change in new requests for building permits	13% (January-September 2015)		Increase of 13% from Jan-Sep 2015 	Not comparable	Wake County Revenue http://www.wakegov.com/tax/statistics/Pages/buildingpermit.aspx
7) Unemployment Rate	% population > 16 years of age unemployed in civilian labor force	5.3% (2014 ACS 1 year)	7.4% (2010-14 ACS 5 year)	Decrease of 1.5% 	7.2% (2014 ACS 1 year)	US Census Bureau http://factfinder.census.gov 1 and 5 year American Community Survey (ACS)

EDUCATION

8) Attainment	% adults living in Wake County 25 years of age or older without a high school diploma or GED	7.5% (2014 ACS 1 year)	8.1% (2014 ACS 5 year)	Decrease of 1% 	13.1% (2014 ACS 1 year)	US Census Bureau http://factfinder.census.gov 1 and 5 year American Community Survey (ACS)
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WAKE COUNTY SOCIO-ECONOMIC PROFILE

HOUSING

Indicator	Measurement	Data		Wake County Trend (since 2014 Report)	National Comparison	Source
		Time Frame	5 Year Profile			
9) Occupancy	% of total households that are vacant housing units	8.0% (2014 ACS 1 year)	7.6% (2014 ACS 5 year)	Increase of 1.0% 	12.5% (2014 ACS 1 year)	US Census Bureau http://factfinder.census.gov/1 and 5 year American Community Survey (ACS)
10) Owner Occupancy	% of total households that are owner occupied	63.1% (2014 ACS 1 year)	64.9% (2014 ACS 5 year)	Slight decrease of 0.1% 	63.1% (2014 ACS 1 year)	US Census Bureau http://factfinder.census.gov/1 and 5 year American Community Survey (ACS)
11) Affordability	% of households that spend 30% or more of income on housing	29.2% (2014 ACS 1 year)	30.0% (2014 ACS 5 year)	Increase of 1.8% 	33.3% (2014 ACS 1 year)	US Census Bureau http://factfinder.census.gov/1 and 5 year American Community Survey (ACS)

WAKE COUNTY SOCIO-ECONOMIC PROFILE

HOUSING

Indicator	Measurement	Data		Wake County Trend (since 2014 Report)	National Comparison	Source
		Time Frame	5 Year Profile			
12) Homelessness	Count of the homeless (as defined by HUD) at annual North Carolina Point-In-Time (PIT) count	904 (on 1/28/15)		Decrease of 266 people ↓	578,424 US including territories, Puerto Rico and DC (during January 2013)	US Housing and Urban Development (HUD) Continuum of Care Homeless Populations and Subpopulations Report. http://www.ncceh.org/pitdata/

TRANSPORTATION

13) Zero-Vehicle Household	% of households with no vehicle available	4.4% (2014-ACS 1-year)	4.6% (2014 ACS 5 year)	No change	9.1% (2014 ACS 1 year)	US Census Bureau http://factfinder.census.gov/1 and 5 year American Community Survey (ACS)
14) Commuting Mode	% of residents age 16 and over commuting by transit, walking or bicycling	4.0% (2014 ACS 1 year)	3.9% (2014 ACS 5 year)	Increase of 1.1% ↑	9.8% (2014 ACS 1 year)	US Census Bureau http://factfinder.census.gov/1 and 5 year American Community Survey (ACS)

WAKE COUNTY SOCIO-ECONOMIC PROFILE

TRANSPORTATION

Indicator	Measurement	Data		Wake County Trend (since 2014 Report)	National Comparison	Source
		Time Frame	5 Year Profile			
14) Commuting Mode	Among workers who commute in their car alone, the percentage that commute more than 30 minutes	31% (2010-2014)		No change	15%	http://www.countyhealthrankings.org/app/north-carolina/2015/rankings/wake/county/outcomes/overall/snapshot

CRIME

15) County Violent Crime Rate	Rate of violent crime per population of 100,000	240.5 (2014)	272.5 (2010)	Decrease of 1.9 crimes/100,000 ↓	365.5 (2014)	North Carolina State Bureau of Investigation, Annual Summary Report of 2013 Uniform Crime Reporting Data; FBI Crime in the United States 2010 and 2014
16) Juvenile Crime Rate age 6-15	Delinquent rate per 1,000 age 6-15	13.04 (State FY: July 2013-June 2014)		Increased 0.39/1000 ↑	Not comparable	NC Department of Public Safety County Data Book http://www.ncdps.gov/Juvenile-Justice/Data-Statistics-Reports/Recent-Data-Statistics

WAKE COUNTY SOCIO-ECONOMIC PROFILE

CRIME

Indicator	Measurement	Data		Wake County Trend (since 2014 Report)	National Comparison	Source
		Time Frame	5 Year Profile			
17) Child Abuse and Neglect	Rate of investigated reports of abuse and neglect per 1,000 age under 18 years'	29.30 (July 2014-June 2015)		Decreased 3.44 reports/1,000 under age 18 years 	National: 47.1 in 2013 NC: 54.8 in 2012, 53.3 in 2013	Wake: NCDHHS, Child Welfare Central Registry, http://sasweb.unc.edu NC: http://cwoutcomes.acf.hhs.gov/data/output/north%20carolina.html National: http://www.acf.hhs.gov/programs/cb/resource/child-maltreatment-2013-data-tables
18) Adult Abuse and Neglect	Total accepted adult protective services reports per 1,000 adults over age 18	0.3 (July 2014-June 2015)		No change	Not comparable	NC DHHS, Adult Protective Services Registry, APS Survey, Wake APS Program

WAKE COUNTY COMMUNITY HEALTH and BENCHMARKS

HEALTH OUTCOMES

Indicator	Measurement	Data/ (Time Frame)	County Health Rankings National Benchmark*	NC Healthy 2020 Target	Wake County Trend (since 2014 Report)	Wake County Data Source
19) Premature Death	Years of potential life lost before age 75 per 100,000 population	4,700 (2011-13)	5200 (2011-2013)		Decrease of 254 ↓	http://www.countyhealthrankings.org/app/north-carolina/2016/rankings/wake/county/outcomes/1/snapshot
20) Infant Mortality	Total Infant death rate (of a live born infant under one year of age) per 1,000 live births in Wake County	5.9 (2010-14)		6.3 http://www.publichealth.nc.gov/hnc2020/foesummary.htm	Increase of 0.8 deaths/1000 live births ↑	NC SCHS, 2016 County Health Data Book
21) Cardiovascular disease	Cardiovascular disease mortality rate (age adjusted per 100,000 population)	165.9 (2010-14)		161.5 http://health-stats.publichealth.nc.gov/indicator/view_numbers/CardiovascularDth.HNC2020.html	Decrease of 29.4 deaths/100,000 population ↓	NC SCHS, 2016 County Health Data Book

* 90th percentile, i.e., only 10% are better.

WAKE COUNTY COMMUNITY HEALTH and BENCHMARKS

HEALTH OUTCOMES

Indicator	Measurement	Data/ (Time Frame)	County Health Rankings National Benchmark*	NC Healthy 2020 Target	Wake County Trend (since 2013 Report)	Wake County Data Source
22) Diabetes	Percentage of adults with diabetes	9.5% (2013)		8.6% http://health-stats.publichealth.nc.gov/indicator/view_numbers/Diabetes.NC_US.html	Increase of 2.5% 	http://publichealth.nc.gov/docs/NCDivisionofPublicHealthReporttoNCMedicalSocietyPRT(FinalOctober9-2014).pdf
23) Colorectal Cancer	Colorectal cancer mortality rate age-adjusted death rates per 100,000 population	14.3 (2010-14)		10.1 http://health-stats.publichealth.nc.gov/indicator/view_numbers/Diabetes.NC_US.html	Increase of 3.1 deaths/100,000 	NC SCHS, 2016 County Health Data Book

HEALTH FACTORS

24) Access to Healthcare and Utilization	% of population under age 65 without health insurance	14% (2013)	11%		Decrease of 1% 	http://www.countyhealthrankings.org/app/north-carolina/2016/rankings/wake/county/outcomes/1/snapshot
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WAKE COUNTY COMMUNITY HEALTH and BENCHMARKS

HEALTH FACTORS

Indicator	Measurement	Data/ (Time Frame)	County Health Rankings National Benchmark*	NC Healthy 2020 Target	Wake County Trend (since 2013 Report)	Wake County Data Source
24) Access to Healthcare and Utilization	Ratio of population to primary care physicians	1190: 1 (2013)	1,040: 1		Decrease of 53 ↓	http:// www.countyhealthrankings.org/ app/north-carolina/2016/rankings/ wake/county/outcomes/1/snapshot
	Ratio of population to dentists	1500:1 (2014)	1340: 1		Decrease of 74 ↓	http:// www.countyhealthrankings.org/ app/north-carolina/2016/rankings/ wake/county/outcomes/1/snapshot
25) Obesity	% of adults (20 years or older) that report a BMI >= 30	25% (2012)	25% http:// www.countyhealt hrankings.org/ app/north- carolina/2014/ rankings/wake/ county/ outcomes/ overall/snapshot		No change	http:// www.countyhealthrankings.org/ app/north-carolina/2016/rankings/ wake/county/outcomes/1/snapshot
26) Teen Births	Teen birth rate per 1,000 female population ages 15-19	23 (2007-13)	19		Decrease of 3 ↓	http:// www.countyhealthrankings.org/ app/north-carolina/2016/rankings/ wake/county/outcomes/1/snapshot

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WAKE COUNTY COMMUNITY HEALTH and BENCHMARKS

HEALTH FACTORS

Indicator	Measurement	Data/ (Time Frame)	County Health Rankings National Benchmark*	NC Healthy 2020 Target	Wake County Trend (since 2013 Report)	Wake County Data Source
27) Mental Health	% mental health related visits to Emergency Departments in Wake County	7.5% (2013 and 2014)	No benchmark		Decrease of 1.6% 	NC DETECT
28) Substance Abuse	Excessive drinking reflects the percent of adults that report either binge or heavy drinking. Binge drinking - consuming more than 4 (women) or 5 (men) alcoholic beverages on a single occasion in the past 30 days. Heavy drinking- drinking more than one (women) or 2 (men) drinks per day on average.	18% (2014)	10%		Increase of 3% 	http://www.countyhealthrankings.org/app/north-carolina/2016/rankings/wake/county/outcomes/1/snapshot
29) Chlamydia Rates	Chlamydia rate per 100,000 Wake County population	442.2 (2013)	134.1 (2013)		Decrease of 56.6 chlamydia infections/100,000 population 	http://www.countyhealthrankings.org/app/north-carolina/2016/rankings/wake/county/outcomes/1/snapshot

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WAKE COUNTY COMMUNITY HEALTH and BENCHMARKS

HEALTH FACTORS

Indicator	Measurement	Data/ (Time Frame)	County Health Rankings National Benchmark*	NC Healthy 2020 Target	Wake County Trend (since 2013 Report)	Wake County Data Source
30) Adult Smoking	Percent of adults that report smoking \geq 100 cigarettes during their lifetime and currently smoking	15% (2014)	14%		Increase of 2% 	http://www.countyhealthrankings.org/app/north-carolina/2016/rankings/wake/county/outcomes/1/snapshot
31) Vaccine Preventable Diseases	% children 24 months (birthdate October 2, 2012 through October 1, 2013 at time of assessment) who receive the recommended vaccines: Dtap (4), Hepatitis B (3), HIB (3), Polio (3), Pneumococcal (4) MMR (1) Varicella (1)	68%		NC Immunization Program Target 71% (July 2013-June 2014)	Increase of 1% 	North Carolina Immunization Registry

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WAKE COUNTY PHYSICAL ENVIRONMENT AND BENCHMARKS

Indicator	Measurement	Data (Time Frame)	County Health Rankings National Benchmark*	TREND	Data Source
32) Food environment index	Index of factors that contribute to a healthy food environment	7.5 (2012 and 2013)	8.3	Decrease of 0.2 ↓	http://www.countyhealthrankings.org/app/north-carolina/2016/rankings/wake/county/outcomes/1/snapshot
33) Physical activity	% of adults aged 20 and over reporting no leisure time physical activity	18% (2012)	20% (2012)	Decrease of 1% ↓	http://www.countyhealthrankings.org/app/north-carolina/2016/rankings/wake/county/outcomes/1/snapshot
34) Drinking water safety	% of population exposed to water exceeding a violation limit during the past year	FY 2013-14 Presence of violation	None	New indicator	http://www.countyhealthrankings.org/app/north-carolina/2016/rankings/wake/county/outcomes/1/snapshot
35) Daily fine particulate rate	The average daily measure of fine particulate matter in micrograms per cubic meter (PM 2.5) in a county	12.2 (2011)	9.5 (2011)	No updates to data	http://www.countyhealthrankings.org/app/north-carolina/2016/rankings/wake/county/outcomes/1/snapshot

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