YADKIN COUNTY SOTCH REPORT

• County Data
  • Leading Causes of Death
• Continued Health Concerns
• Emerging Health Issues
• CHA Priorities
  • Action Plans
  • Progress
• Trending Data
• New Initiatives
<table>
<thead>
<tr>
<th>People QuickFacts</th>
<th>Yadkin County</th>
<th>North Carolina</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population, 2015 estimate</td>
<td>37,585</td>
<td>10,042,802</td>
</tr>
<tr>
<td>Persons under 5 years, percent, 2015</td>
<td>5.2%</td>
<td>6%</td>
</tr>
<tr>
<td>Persons under 18 years, percent, 2015</td>
<td>21.6%</td>
<td>22.8%</td>
</tr>
<tr>
<td>Persons 65 years and over, percent, 2015</td>
<td>18.8%</td>
<td>15.1%</td>
</tr>
<tr>
<td>Female persons, percent, 2015</td>
<td>50.4%</td>
<td>51.3%</td>
</tr>
<tr>
<td>White persons, percent, 2015(a)</td>
<td>94.2%</td>
<td>71.2%</td>
</tr>
<tr>
<td>Black persons, percent, 2015(a)</td>
<td>2.5%</td>
<td>22.1%</td>
</tr>
<tr>
<td>Persons of Hispanic or Latino Origin, percent, 2015(b)</td>
<td>10.9%</td>
<td>9.1%</td>
</tr>
<tr>
<td>Language other than English spoken at home, percent age 5+, 2011-2015</td>
<td>8.6%</td>
<td>11.2%</td>
</tr>
<tr>
<td>High school graduate or higher, percent of persons age 25+, 2011-2015</td>
<td>77.5%</td>
<td>85.8%</td>
</tr>
<tr>
<td>Bachelor's degree or higher, percent of persons age 25+, 2009-2013</td>
<td>11.9%</td>
<td>28.4%</td>
</tr>
<tr>
<td>Median household income, 2011-2015 (in 2015 dollars)</td>
<td>$37,796</td>
<td>$46,868</td>
</tr>
<tr>
<td>Persons in poverty, percent</td>
<td>16.3%</td>
<td>16.4%</td>
</tr>
</tbody>
</table>

(2011-2015 American Community Survey)
### Population by Age (2011-2015)

#### Percentages of Population by Age Group:

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4 years</td>
<td>6.2%</td>
</tr>
<tr>
<td>5-9 years</td>
<td>6.4%</td>
</tr>
<tr>
<td>10-14 years</td>
<td>5.6%</td>
</tr>
<tr>
<td>15-19 years</td>
<td>10.2%</td>
</tr>
<tr>
<td>20-24 years</td>
<td>14%</td>
</tr>
<tr>
<td>25-34 years</td>
<td>15.1%</td>
</tr>
<tr>
<td>35-44 years</td>
<td>14%</td>
</tr>
<tr>
<td>45-54 years</td>
<td>6.8%</td>
</tr>
<tr>
<td>55-59 years</td>
<td>6.3%</td>
</tr>
<tr>
<td>60-64 years</td>
<td>10.1%</td>
</tr>
<tr>
<td>65-74 years</td>
<td>5.5%</td>
</tr>
<tr>
<td>75-84 years</td>
<td>1.9%</td>
</tr>
<tr>
<td>85 years and over</td>
<td>5.5%</td>
</tr>
</tbody>
</table>

(2011-2015 American Community Survey)
ECONOMIC CHARACTERISTICS

• 56% of the population is in the workforce
• The November 2016 prelim., 2015 unemployment rate is 4.1% (NC Dept. of Commerce, AccessNC)
• Yadkin County has a Tier 1 designation (NC Dept. of Commerce, AccessNC)
• 23% of Yadkin County residents reside in rental properties (NC Dept. of Commerce, AccessNC)

• In Yadkin County, 2,454 families have children under age 6, and of those, 47.8% have both parents working.
• The number of families with children between ages 6 and 17 is 5,641, and 63.2% of those families have both parents working.
INCOME & BENEFITS

Total Household Income

Supplemental & Other Income

The average:
- Social Security income is $16,260
- Retirement income is $17,728

- Supplemental Security income is $8,201
- Cash public Assistance is $4,494
FAMILIES IN POVERTY
(PAST 12 MONTHS)

- All Families: 15.3%
- Married Couples: 25.7%
- Female householder, no husband present:
  - No dependents: 33.5%
  - Children under 18: 45.4%
  - Children under 5: 28%

Legend:
- No dependents
- Children under 18
- Children under 5
## Leading Causes of Death

<table>
<thead>
<tr>
<th>Rank</th>
<th>Cause of Death</th>
<th># of Deaths</th>
<th>Death Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>TOTAL DEATHS - ALL CAUSES</td>
<td>2,073</td>
<td>1091.9</td>
</tr>
<tr>
<td>1</td>
<td>Diseases of the heart</td>
<td>480</td>
<td>252.8</td>
</tr>
<tr>
<td>2</td>
<td>Cancer – all sites</td>
<td>450</td>
<td>237.0</td>
</tr>
<tr>
<td>3</td>
<td>Chronic lower respiratory diseases</td>
<td>143</td>
<td>75.3</td>
</tr>
<tr>
<td>4</td>
<td>Cerebrovascular disease</td>
<td>133</td>
<td>70.1</td>
</tr>
<tr>
<td>5</td>
<td>Other Unintentional injuries</td>
<td>92</td>
<td>48.5</td>
</tr>
<tr>
<td>6</td>
<td>Alzheimer's disease</td>
<td>66</td>
<td>34.8</td>
</tr>
<tr>
<td>7</td>
<td>Pneumonia &amp; influenza</td>
<td>65</td>
<td>34.2</td>
</tr>
<tr>
<td>8</td>
<td>Diabetes mellitus</td>
<td>63</td>
<td>33.2</td>
</tr>
<tr>
<td>9</td>
<td>Nephritis, nephrotic syndrome, &amp; nephrosis</td>
<td>48</td>
<td>25.3</td>
</tr>
<tr>
<td>10</td>
<td>Septicemia</td>
<td>47</td>
<td>24.8</td>
</tr>
</tbody>
</table>

- This list includes all causes of death across **all age groups**
- **0-19** year old age group, the leading causes of death are pre-natal related/birth defects, unintentional injuries and motor vehicle injuries.
- **20-39** age group, most top causes of death are related to **unintended injury, suicide and motor vehicle accidents**.
- **40-64** age group, the top causes of death are **cancer, heart disease, and diabetes**.
- **65-84** age group (highest incidence of death) these are related to **chronic diseases** such as cancer, heart and lung disease.
# CONTINUED HEALTH CONCERNS

<table>
<thead>
<tr>
<th>From 2014 SotCH Report</th>
<th>From 2015 CHA Report</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Teen pregnancy</td>
<td>• Prescription drug abuse/overdose</td>
</tr>
<tr>
<td>• Cancer</td>
<td>• Knowledge and use of available physical</td>
</tr>
<tr>
<td>• Dental health</td>
<td>activity opportunities</td>
</tr>
<tr>
<td>• Health care access</td>
<td>• Chronic disease morbidity and mortality</td>
</tr>
<tr>
<td>• Birth risk factors</td>
<td></td>
</tr>
<tr>
<td>• Obesity</td>
<td></td>
</tr>
<tr>
<td>• Physical activity/nutrition</td>
<td></td>
</tr>
<tr>
<td>• Poisonings</td>
<td></td>
</tr>
<tr>
<td>• CD/STD</td>
<td></td>
</tr>
</tbody>
</table>
CONTINUED HEALTH CONCERNS: DATA

• Teen Pregnancy (shiftnc.org):
  • Teen pregnancies (15-19): 34 or 29.5/1,000 (2014)
    • 15-17: 10 (up from 4 in 2014 SotCH)
    • 18-19: 24
  • Repeat pregnancies: 20.6%

• Cancer (2011-2015)
  • Incidence: 1188 cases; 468.0/100,000 (NC rate is 466.7/100,000)
  • Mortality: 450 deaths; 174.7/100,000 (NC rates is 169.2/100,000)
  • This highest incidence and death of cancer is related to lung cancer, which is one of the most preventable cancers.

• Dental Health:
  • Medicaid enrolled children who use dental services:
    • Ages 1-5: 59.0% (NC is 67.0%)
    • Ages 6-14: 71.0%
    • Ages 15-20: 52.7%
  • Yadkin County has not had a calibrated dental assessment since the 2009-2010 school year, of which the data was published in 2012.
CONTINUED HEALTH CONCERNS:

Health Insurance Coverage and Providers

Yadkin falls behind the state rate for all health care providers, including physicians, NPs, PAs, RNs, and pharmacists. See the following table for rates. *2012 most recent data
HEALTH PROFESSIONALS (PER 10,000)

Source: NC Health Professionals Data Book

<table>
<thead>
<tr>
<th>Profession</th>
<th>NC</th>
<th>Yadkin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physicians</td>
<td>23.2</td>
<td>4.8</td>
</tr>
<tr>
<td>Primary Care Physicians</td>
<td>8.6</td>
<td>3.2</td>
</tr>
<tr>
<td>Dentists</td>
<td>4.7</td>
<td>1.9</td>
</tr>
<tr>
<td>Registered Nurses</td>
<td>105.5</td>
<td>42.8</td>
</tr>
<tr>
<td>Pharmacists</td>
<td>10.6</td>
<td>3.4</td>
</tr>
</tbody>
</table>
• Approximately 10% of infants were born preterm
• 10.8% of infants were born at a low birth weight
• 9 infants were born to women under the age of 18
• 18% of mothers had less than a high school education and 33% were unmarried
• 11% of births in 2015 were to a woman who received very late (third trimester) or no prenatal care
• 18.3% of babies were born to women who smoke
• Over 50% were overweight or obese pre-pregnancy
CONTINUED HEALTH CONCERNS: NUTRITION & DIETARY

- **Adults**
  - 42.3% of adults reported consuming fruit less than one time daily.
  - 22.4% of adults reported consuming vegetables less than one time daily.

- **Adolescents**
  - 42.7% of adolescents reported consuming fruit less than one time daily.
  - 38.7% of adolescents reported consuming vegetables less than one time daily.

- **Nutrition access to healthy foods:**
  - There are 2 farmers markets in the County, both located in Yadkinville, the County seat.
  - 14% of the population experiences food insecurity (NC is 18%) and of the 4,960 residents who experience food insecurity, 16% are not eligible for SNAP or other nutrition programs.
  - Food insecurity in Yadkin County is 13.0%.
    - for children under age 18 is 25.6% (NC is 24.6%)
CONTINUED HEALTH CONCERNS: OBESITY

- Adults
  - 32% of adults were obese
- Adolescents
  - 31.3% of children 12-19 are overweight or obese
- Children
  - 30% of children 2-11 are overweight or obese
Continued Health Concerns: Physical Activity

- 26% of adults report being physically inactive
CHILD HEALTH: SNAP SHOT

- 1 in 4 (8,700) residents is under the age of 18
- 29.7% of children are in poverty
- 27.1% of children in Yadkin live in food insecure households
- 8.9% of children are considered uninsured
- 10.2% are below 200 percent of the poverty level.
- The County infant death rate is 7.8 per 1,000 live births
  - 4 deaths of children 0-17 years (2015)
  - 2 were under 1 year of age
  - Deaths were from prenatal conditions, SIDS, or illness
POISONING DEATHS (2009-2015)

- 5 total deaths due to poisoning in 2015, 104 from 2009-2015
- The 5 deaths in 2015 were unintentional. Of the 104, 92% were unintentional
- The unintentional poisoning mortality rate for Yadkin is 27 per 100,000 residents
  - More than twice the state rate, 13
- Of the 5 deaths in 2015, 2 were from heroin and 3 were prescription opiates
There were 124 confirmed cases of communicable disease. 98 of these, or 79%, were bacterial STDs. The average age of the confirmed STD patient was 25, with ages ranging from 15 to 52. 21, or 21%, were between 15-19 years old. 2 new cases of HIV, no new cases of AIDS.
EMERGING ISSUES

The following areas are a concern, as the numbers continue to increase over time:

- Chronic Diseases
  - Cardiovascular disease
  - Heart disease
  - Stroke
  - Diabetes deaths
- Unintentional injury (including accidental overdose)
- Suicide

Graphs showing the trends follow
Suicide Deaths

Unintentional Injury Deaths
Action Plan:
• WalkWorks
  • By 2019, increase physical activity among 19-64 year olds by implementing evidence-based strategies that make walking in the community a safe and accessible pursuit. Program will reach 100 residents per year.

Progress:
• The County had three school walking events
  • Two were walk at school events
  • There was one walk to school event
  • Approximately 1,000 students participated county-wide.
Action Plan:

• Naloxone dispensing campaign
  • By 2019, establish a working Naloxone dispensing program at the local health department, with an educational component. Evidence will show 6 kits will be dispensed per year over 4 years.

Progress:

• Policy and standing order are written
• Key staff trained in implementation
• 12 initial kits have been purchased
• Still need: method to conduct on-site kit education and marketing plan
HEALTH ISSUES RELATED TO CHRONIC DISEASE SUCH AS HEART DISEASE AND DIABETES

Priority 3

Action Plan:
• Chronic Disease Self-Management
  • 65% of participants will report increased strength and stamina through better fitness within 6 weeks.

Progress
• Health Educator on staff is trained in the curriculum
• PTRC coordination to scheduled course
• Marketing of the course was implemented
• Course was cancelled due to lack of participants.
• Will try again spring/early summer
## TRENDING DATA:

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2014</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Teen Pregnancy: total rate</strong></td>
<td>50.3/1,000</td>
<td>28.2/1,000</td>
<td>29.5/1,000</td>
</tr>
<tr>
<td><strong>By age group</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14 (15-17); 45 (18-19)</td>
<td>22%</td>
<td>21.9%</td>
<td>20.6%</td>
</tr>
<tr>
<td><strong>Diabetes: deaths</strong></td>
<td>47</td>
<td>49</td>
<td>63</td>
</tr>
<tr>
<td><strong>Rate</strong></td>
<td>19.6/100,000</td>
<td>25.6/100,000</td>
<td>33.2/100,000</td>
</tr>
<tr>
<td><strong>Dental Care: dentist ratio</strong></td>
<td>1.65/10,000</td>
<td>1.8/10,000</td>
<td>1.9/10,000</td>
</tr>
<tr>
<td><strong>Obesity</strong></td>
<td>30%</td>
<td>30%</td>
<td>32%</td>
</tr>
</tbody>
</table>
TRENDING DATA: GRAPHS

Teen Pregnancy

- 15-19
- 15-17
- 18-19
- repeat pregnancy (%0)
- county rank

Diabetes

- # of deaths
- death rate
TRENDING DATA: GRAPHS

Access to Dental Care

Yadkin rate of dentist
NC rate of dentist

Obesity

Adult Obesity
Childhood Obesity
NEW INITIATIVES

- New private dental practice accepting Medicaid
- Dr. Allison Snider, direct primary care
- New urgent care facilities
- Fostering Minds, moved to the hospital
SOURCES OF INFORMATION:

- NC State Center for Health Statistics
- Cecil G. Sheps Center for Health Services
- County Health Rankings
- NC Community Health Information Portal
- The State of Obesity (stateofobesity.org)
- Feeding America, “Map the Meal Gap”
- The Support Center, “Healthy Food Resources in NC”
- NC Child, “Yadkin Child Health County Data Card”
- NC State University, Institute for Emerging Issues
- WUNC