



Haywood County

State of Health Report December 2010



Mission Statement

"Promoting Healthy Lifestyles & A Safe Environment."

Our responsibility to the citizens of Haywood County is to assess the health needs and cooperate with the community to assure a safe environment, to provide quality public health services, and promote healthy lifestyles.

Services Offered

- Adult Health
- Child Health
- Child Service Coordination
- Communicable Disease Control
- Dental Clinic
- Environmental Health
- Family Planning
- General Clinic
- Health Check
- Health Choice
- Health Education and Promotion
- Healthy Haywood
- Laboratory
- Maternity Care Coordination
- Prenatal Care
- School Health
- WIC Nutrition Program

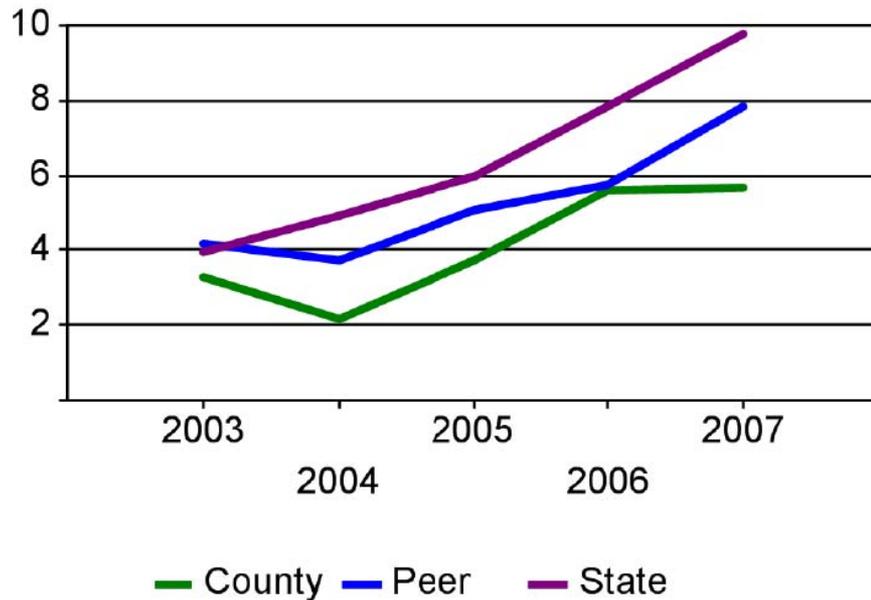


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p 452-6675

haywoodnc.net

Haywood County Population Estimate

Percent of Population Change Since Base Year 2000



- Peers**
- [Ashe](#)
 - [Cherokee](#)
 - [Macon](#)

Indicator Raw Values

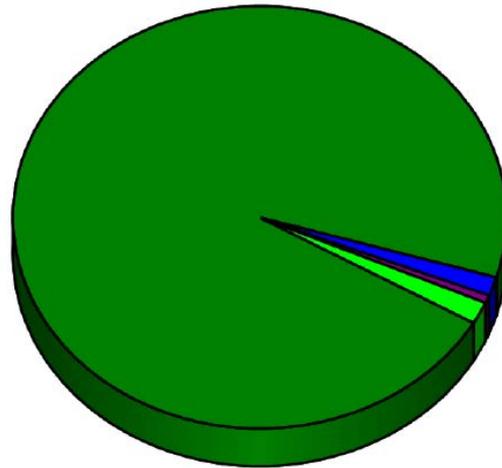
Year	County	Peer Avg.	State
2003	55,901	27,312	8,411,092
2004	55,281	27,179	8,489,064
2005	56,129	27,548	8,570,234
2006	57,166	27,714	8,719,727
2007	57,189	28,266	8,877,950



Population data is provided by a third party Information Resource company named Claritas through the NC Catch website.

Haywood County Population by Race

Race Value Graph



	Value
White	55,046
Black	828
American Ind	341
Other	974

2007 - White
2007 - Black

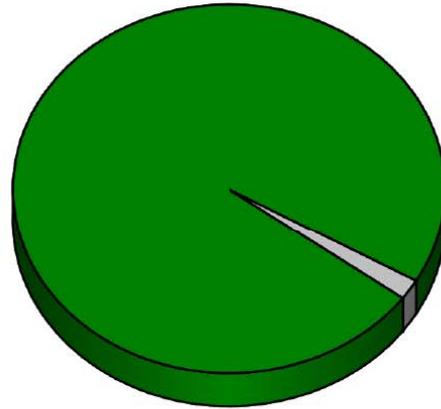
2007 - American In...
2007 - Other



Population data is provided by a third party Information Resource company named Claritas through the NC Catch website.

Haywood County Population by Ethnicity

Ethnicity Value Graph



■ 2007 - Hispanic
■ 2007 - Non Hispanic

Hispanic	1,021
Non Hispanic	56,158



Population data is provided by a third party Information Resource company named Claritas through the NC Catch website.

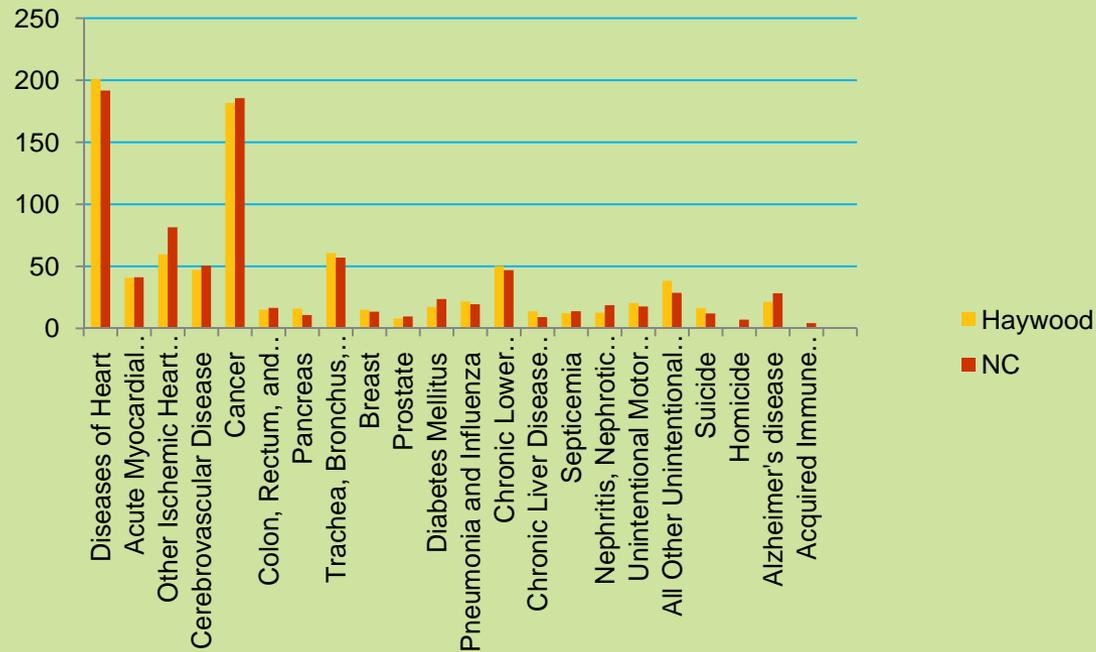
Haywood County Demographics Compared to State

	Haywood County	State
Population, 2009 estimate	57,109	9,380,884
Population, percent change, April 1, 2000 to July 1, 2009	5.7%	16.6%
White persons, percent, 2009 (a)	96.8%	73.7%
Black persons, percent, 2009 (a)	1.6%	21.6%
American Indian and Alaska Native persons, percent, 2009 (a)	0.6%	1.3%
Asian persons, percent, 2009 (a)	0.3%	2.0%
Persons reporting two or more races, percent, 2009	0.7%	1.3%
Persons of Hispanic or Latino origin, percent, 2009 (b)	2.2%	7.7%
White persons not Hispanic, percent, 2009	94.7%	66.8%
Foreign born persons, percent, 2000	1.6%	5.3%
Language other than English spoken at home, pct age 5+, 2000	3.3%	8.0%
High school graduates, percent of persons age 25+, 2000	77.7%	78.1%
Bachelor's degree or higher, pct of persons age 25+, 2000	16.0%	22.5%
Persons with a disability, age 5+, 2000	12,007	1,540,365
Median household income, 2008	\$39,042	\$46,574
Persons below poverty level, percent, 2008	14.5%	14.6%



Source: www.quickfacts.census.gov

Leading Causes of Death - Mortality 2005-2009



Source: North Carolina Center for State Health Statistics

Haywood Compared to State

Haywood is doing better than NC in terms of :

- Other Ischemic Heart Disease
- Prostate
- Diabetes Mellitus
- Nephritis, Nephrotic Syndrome, and Nephrosis
- Alzheimer's disease

Haywood is doing worse than NC in terms of :

- Pancreas
- Chronic Liver Disease and Cirrhosis
- Unintentional Motor Vehicle Injuries
- All Other Unintentional Injuries
- Suicide



Haywood Compared to State

Better

- AIDS
- Trachea, Bronchus, Lung
- Diabetes
- Pregnancy Complications

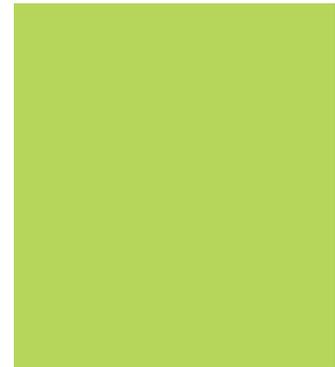
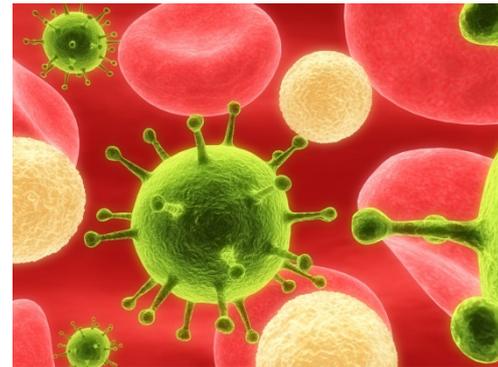
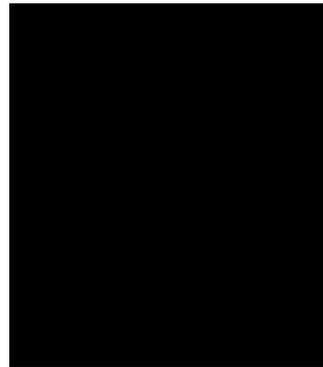
Worse

- Septicemia
- Overall cancer, and specifically colon and breast
- Nervous System & Sense Organ Disease
- Cardiovascular & Circulatory Diseases
- Heart Disease
- Cerebrovascular Disease
- Respiratory diseases, and specifically pneumonia/influenza & COPD
- Digestive System Diseases
- Chronic Liver Disease/Cirrhosis
- Genitourinary Diseases
- Musculoskeletal System Diseases
- Arthropathies & Related Disorders
- Congenital Malformations
- Injuries & Poisoning



Communicable Disease Report Thru November 2010

• ANIMAL BITES/Domestic	148
• ANIMAL BITES/Wild	20
• AIDS	3
• CAMPYLOBACTER INFECTION	5
• CHLAMYDIA - Lab confirmed	78
• CRYPTOSPORIDIOSIS	2
• ENCEPHALITIS (LAC)	2
• GENITO-URINARY (non-PID) Gonorrhea	2
• GONORRHEA	2
• HEMOPHILUS INFLUENZAE, Invasive disease	1
• HEPATITIS C, ACUTE	1
• HIV INFECTION	4
• LEGIONELLOSIS	1
• MENINGITIS, PNEUMOCOCCAL	1
• MENINGOCOCCAL DISEASE, Invasive	1
• NON-GONOCOCCAL URETHRITIS (NGU)	4
• PERTUSSIS (Whooping Cough) Lab confirmed	3
• SALMONELLOSIS	4
• SHIGELLOSIS	1
• STREPTOCOCCAL INFECTION, Group A, invasive	1
• TUBERCULOSIS	1



Haywood County Dental Clinic

Patient Demographics:

- Asian: .9%
- African American: 1.1%
- White: 94 %
- Hispanic 4%

Patient encounters from January to October 2010: 2459

Haywood County Dental Clinic Treats:

- Self Pay patients
- Children with Medicaid or Health Choice
- Adult patients with Medicaid



Environmental Health Data

Activity Thru October 2010

ON-SITE WASTE WATER ACTIVITY

• SITE VISITS	2493
• NUMBER OF APPLICATIONS	483
• SITES EVALUATED	534
• SEPTIC SYSTEMS INSPECTED	445
• COMPLAINTS INVESTIGATED	121
• NOTICE OF VIOLATION'S	9
• TOTAL NUMBER OF PERMITS ISSUED	926

WELL PROGRAM ACTIVITY

• PERMITS ISSUED	116
• GROUT INSPECTIONS	98
• CERTIFICATE OF COMPLETION	102
• WELLS SAMPLED	110



Environmental Health Data - *Continued*

Activity Thru October 2010

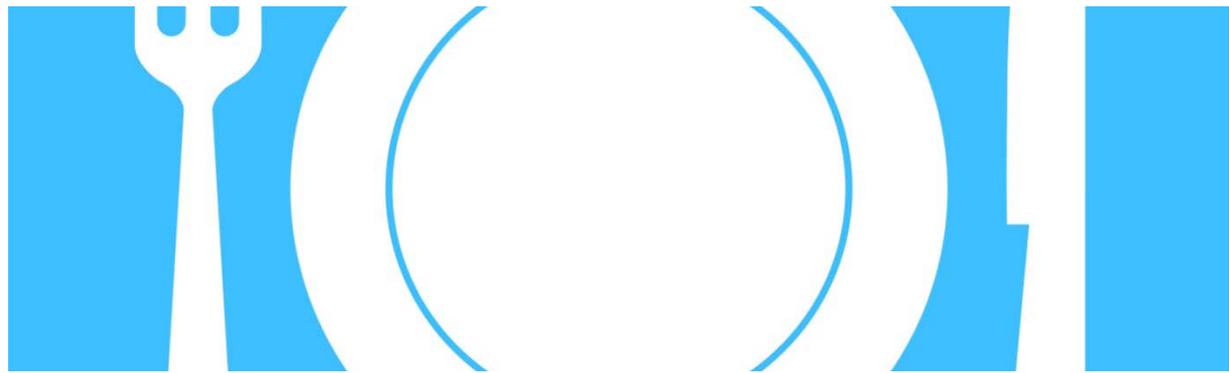
COMPLAINTS INVESTIGATED

- GARBAGE/REFUSE _____ 35
- DEBRIS/JUNK _____ 35
- MOSQUITOES _____ 04
- MOLD _____ 03
- MISC. _____ 18

Total COMPLAINTS INVESTIGATED _____ **95**

FOOD AND LODGING ACTIVITY

- INSPECTIONS _____ 691
- PERMITS ISSUED _____ 93
- COMPLAINTS _____ 72
- TEMPORARY FOOD EST. PERMITTED ___ 70



Question: What keeps people in Haywood County from being healthy?

- Unhealthy Food (27 groups)
- Attitude/Don't Care (21)
- Low Income (20)
- Lack of Exercise (19)
- Lack of Knowledge (17)
- No Insurance (17)
- Lack Access to Doctor/Dentist (15)
- Pollution (13)
- Lack of Time (12)
- Smoking/Drinking (12)
- Culture (12)

Question taken from Community Health Assessment survey question completed in 2008



Healthy Haywood Mission:

To improve the health of Haywood County citizens.

A program of the Haywood County Health Department & certified Healthy Carolinians Partnership since 1999.



healthyhaywood.org

Haywood County Health Priorities 2009-2012

Total Count - May 22, 2008

HEALTH ISSUES	TOTALS
1. Overweight/Poor Nutrition	558
2. Cardiovascular Disease	524
3. Substance Abuse (Drugs/Alcohol/Tobacco)	516
3. Cancer	516
4. Mental Health	494
5. Diabetes	490
6. Lack of Access to Care	489
7. Asthma & Lung Problems	484
8. Dental Health	453
9. STDs, AIDS, Communicable Disease	418



Top Three Health Action Teams of the Healthy Haywood Partnership

2009-2012 Health Action Teams:

Healthy Living

- The Healthy Living team's (previously Obesity Prevention) main focus will be Physical Activity & Nutrition –
- With physical activity and nutrition focus, this will help prevent or better manage chronic and preventable diseases such as: Cancer, Asthma, Diabetes, Cardiovascular Diseases, etc.

Substance Abuse

- Substance Abuse team is a new team that will focus on alcohol, tobacco, and other drugs (alcohol used to fall under Mental Health and tobacco fell under cancer prevention and asthma)

Mental Health

- Mental Health team is an existing team that will continue its work – as mentioned above, substance abuse has become its own team.



35 different groups took part in the Community Health Assessment Survey

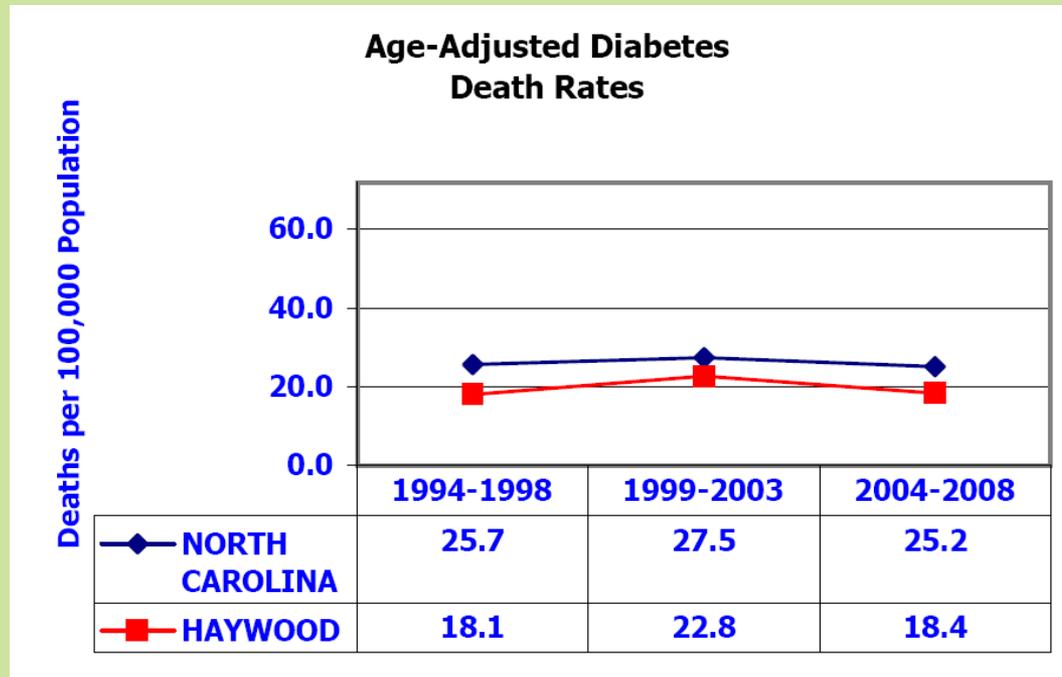
Health Action Team Progress: *Healthy Living*

2010 SUCCESSES - 13 Total Interventions to Achieve by 2012 on this action plan

- **Fitness Challenge**
 - Record breaking participation – 2937 participants raising \$30,000
 - Program will continue in 2011
- **Power of Pink**
 - 4th annual fundraising event/Breast cancer detection in Haywood County/Raised \$23,000/Over 450 participants
 - Since 2007, the program has funded 269 procedures for 219 Haywood County women
 - Support with planning, volunteers & promotion
 - Continue in 2011
- **Healthy Articles/Healthy Tips**
 - 2 printed in newspaper for 2010/Continue publishing in 2011
 - 12 Healthy Tips & Opportunities sent monthly via e-mail to database reaching over 3000 people
- **Family Fun Day**
 - 11th annual /576 in attendance
 - Event promotes healthy lifestyles through free swimming and various health education booths
 - Continue in 2011
- **School Health Advisory Council (SHAC) Calendar**
 - School academic calendar promoting healthy lifestyles reaching all Haywood County Students in grades 1-8
 - 4900 calendars printed / 4877 total students received the calendar / remaining distributed to community
- **Inspiration of the Month**
 - 2 winners recognized in the newspaper
 - Will continue in 2011
- **Miscellaneous**
 - Compiled Resource guide for principals and nutrition director to use to support fruits and veggies grant



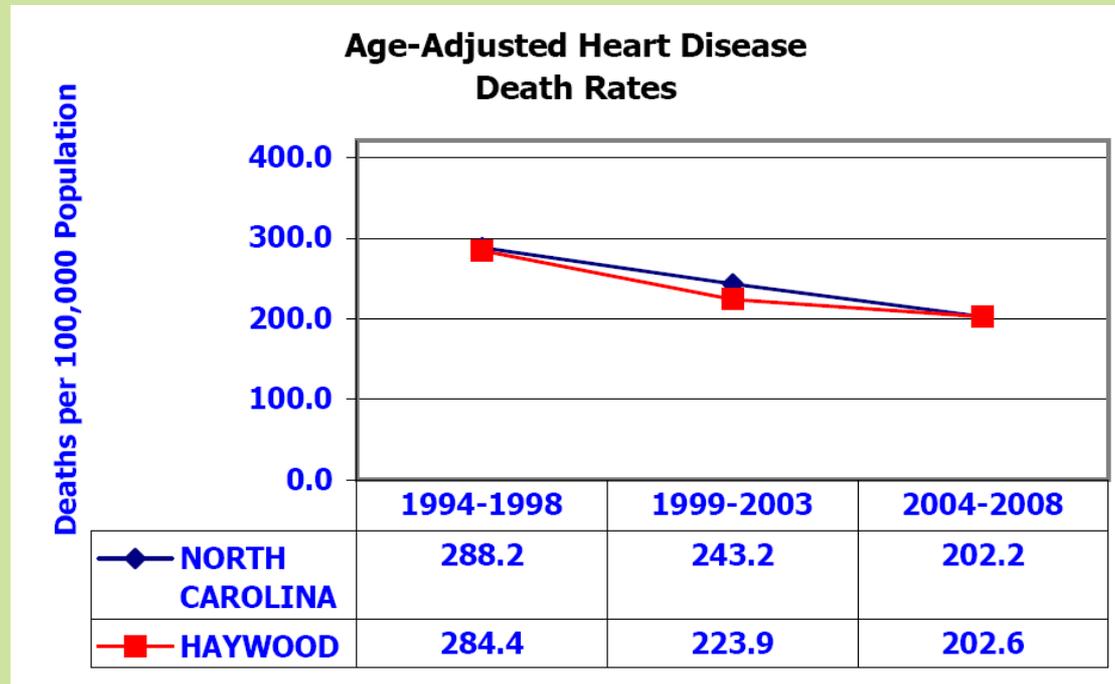
North Carolina & Key Trends in Key Health Indicators: Haywood County



Source: North Carolina County Trend Reports/State Center for Health Statistics



North Carolina & Key Trends in Key Health Indicators: Haywood County

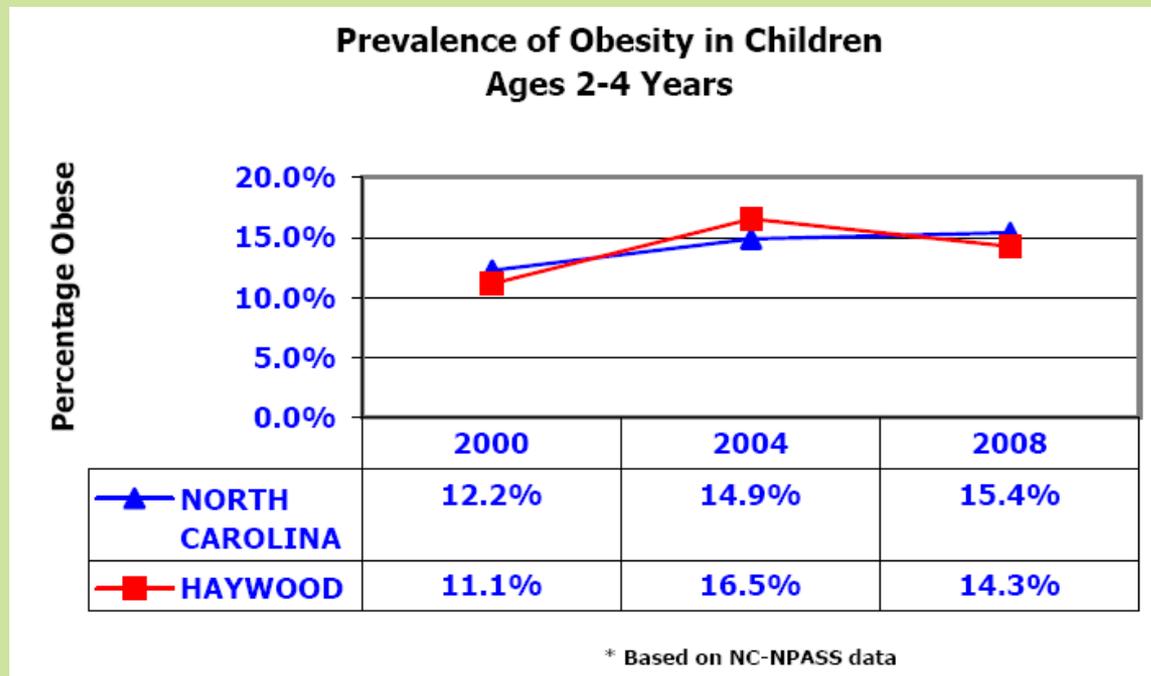


Source: North Carolina County Trend Reports/State Center for Health Statistics



North Carolina & County Trends

Key Health Indicators

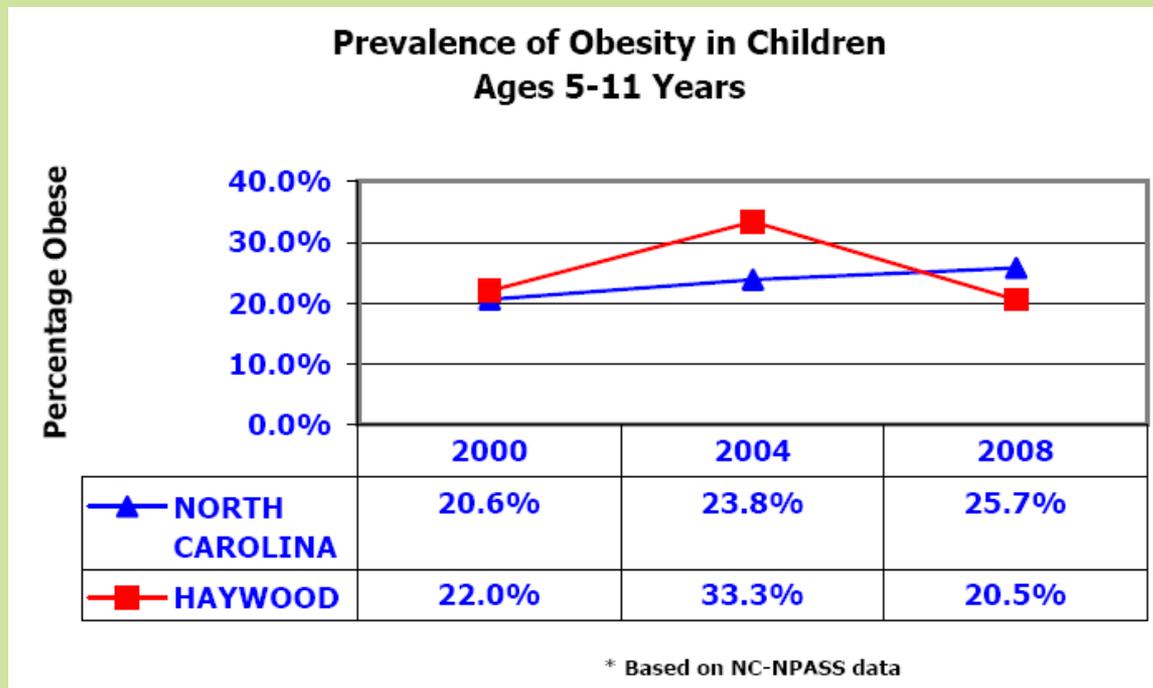


Source: North Carolina County Trend Reports/State Center for Health Statistics



North Carolina & County Trends

Key Health Indicators



Source: North Carolina County Trend Reports/State Center for Health Statistics





- According to the Community Health Assessment conducted in 2008, the number one most mentioned health concern in Haywood County is **Obesity** and **Poor Nutrition**.
- Haywood county public elementary school children (K-5th grade) have been measured for height and weight and their body mass index for the past eight years.
- These Body Mass Index Assessments document the overweight/obesity problem in the students K – 5th grades. The next slide shows each year's results for comparison.



Body Mass Index Measurements for Haywood County Elementary Schools 2001 - 2010

School Year	% OW and Obese	% Overweight	% Obese	# of Morbidly Obese
• 2010 – 2011	39%	17.6%	21.6%	63
• 2009 – 2010	40%	18%	22%	65
• 2008 – 2009	40%	19%	21%	72
• 2007 – 2008	39%	18%	21%	65
• 2006 – 2007	36.66%	18%	18%	72
• 2005 – 2006	37%	18.5%	18.5%	50
• 2004 – 2005	38%	19%	19%	54
• 2003 – 2004	35%	17%	18%	62
• 2002 – 2003*	35%	17%	18%	8
• 2001 – 2002	32%	16%	16%	Did not compute the first year.



*Year 2002-2003 data reflects the measurement of only one school.

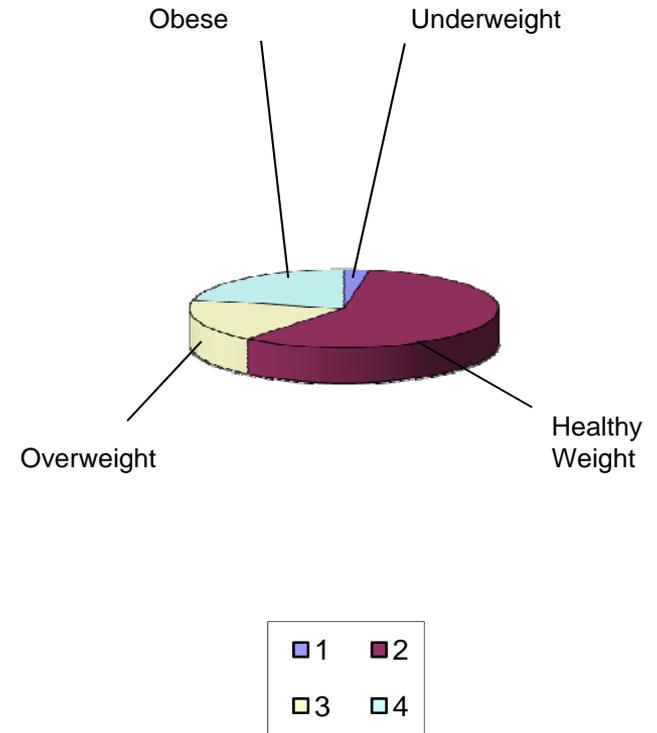
2010

Body Mass Index Data

Haywood County Elementary Schools
Overall statistics

- 61% are at healthy weight and/or underweight.
58 % healthy weight/3% underweight
- 39% of students are overweight and/or obese.
- 21.6% of students are obese.
Down one percentage point from last year.
- 17.6% of students are overweight.
Same as last year.
- 63 students are morbidly obese
Down from last year's 65.
- The overweight/obesity rate went down 1%
- The % of Overweight and/or Obese is 39%
One percent down from last year.

Body Mass Index Measurements for Haywood County Elementary Schools



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Health Action Team Progress: *Substance Abuse*

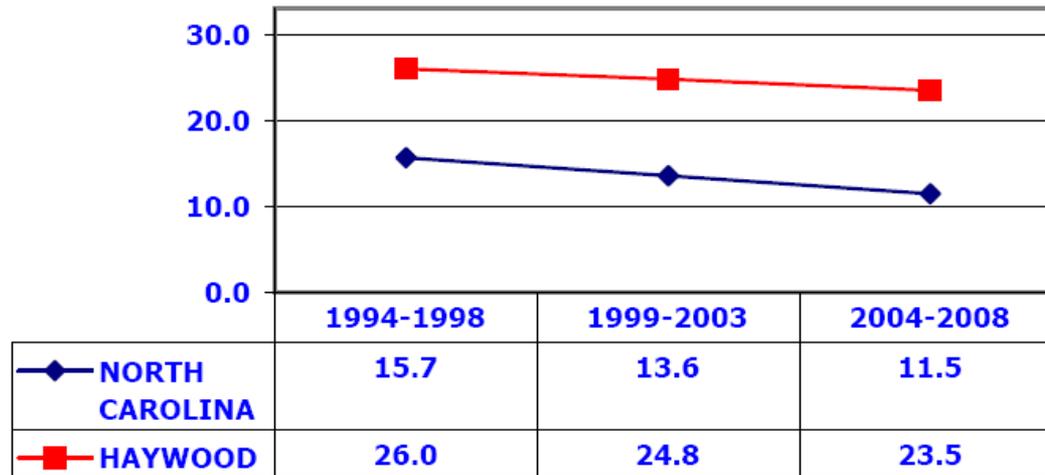
2010 SUCCESSES - 11 Total Interventions to achieve by 2012

- **Substance Abuse Education to local Summer Camps**
 - 12 presentations given to 3 different camps reaching 365 students
 - Continue in 2011
- **TATU (Teen Against Tobacco Use)**
 - 17 students trained
 - 595 5th graders saw the program/40 students in after school programs/Total = 635
- **TABU 21 (Teens Against Booze Under 21)**
 - 384 youth saw the presentation
- **Prescription Drug Abuse Lunch & Learn**
 - 115 community members in attendance
- **Healthy Articles**
 - 4 in 2010/Continue in 2011
- **Substance Abuse Education on the Government Access Station**
 - 5 slides/4 videos/1 PSA
- **Substance Abuse Resource Guide (Local)**
 - Completed & distribution is ongoing



North Carolina & County Trends in Key Health Indicators

Percentage of Resident Live Births Where Mother Smoked During Pregnancy



Source: North Carolina County Trend Reports/State Center for Health Statistics



Local High School Substance Use Survey

Who was Surveyed:

- Pisgah High School
- Tuscola High School
- Early College
- Central Haywood High School

When:

Spring 2009: Results calculated in 2010

How Many:

- 1448 from Tuscola & Pisgah
- 116 from Haywood Early College & Central Haywood High School



High School SURVEY HIGHLIGHTS

What we've learned

Where students get information makes a difference

Friends and peers were listed as the most common source of information about alcohol or other drugs (67.2%) followed by Parents (54.4%) and teachers/counselors (47.8%). The media (TV, magazines, etc.) was the fourth most common source of information with siblings and the Internet each being listed as a major source of information by about 25%.

Primary prevention needs to be emphasized before high school.

More than a fourth of all high school students started smoking and/or drinking in elementary or middle school. **Of all students, 18.8% used tobacco before the age of 12; 10.8% drank alcohol before that age.** Of those who smoked or used smokeless tobacco, a third (32.7%) did so prior to high school. Of those who drank alcohol, 44% did so prior to high school. Of those who smoked marijuana, 36.5% did so prior to high school.

Drugs are in schools.

Approximately 23% of the students reported that they were offered, given, or sold an illegal drug on school property. (*However, among those who use substances, the rate is much higher.*)



High School SURVEY HIGHLIGHTS - Continued

Skipping school is associated with possible substance dependence (addiction) and substance abuse/misuse.

Those skipping 3 or more days in the past 30 had three times the risk of addiction and almost five times the risk for abuse as those who did not skip school. Those who skipped at least one day of school had almost twice the risk for dependence and more than twice the risk for abuse as compared to those who skipped no school.
(8% of students who completed the survey/approximately 79 students)

Substance use tends to begin with tobacco.

Of the 985 students who had used tobacco, alcohol, or marijuana, **88.3% used tobacco at least a year earlier or during the same year they started using alcohol or marijuana; 34.4% used tobacco at least a year earlier than either alcohol or marijuana. Of the 407 students who used all three (tobacco, alcohol, and marijuana), 56.5% used tobacco prior to or during the same year they first used either alcohol or marijuana; 33.4% used tobacco at least a year prior to using the other substances.**

Substance abuse related problems is a family issue

Questions were asked concerning whether alcohol or drug use by anyone in the family resulted in family, health, job, or legal problems. Approximately 30% reported such problems related to alcohol, and 24.4% regarding other drugs.

Prescription Drug Abuse in Haywood County - On the Rise

Trends in Waynesville

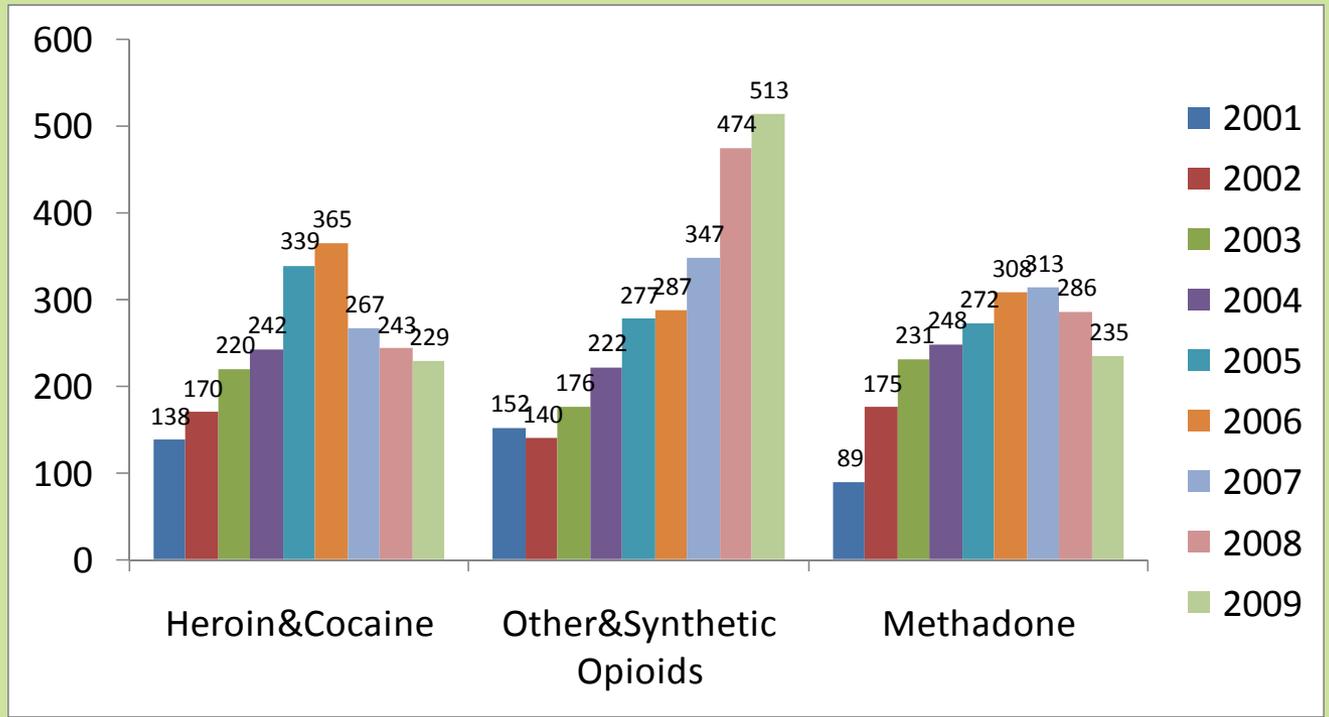
- **Increasing Number of Prescription Drug Overdoses**
 - OxyContin / Oxycodone**
 - Fentanyl**
 - Percocet**
 - Hydrocodone**

Source: Chief Bill Hollingsed – Waynesville Police Department



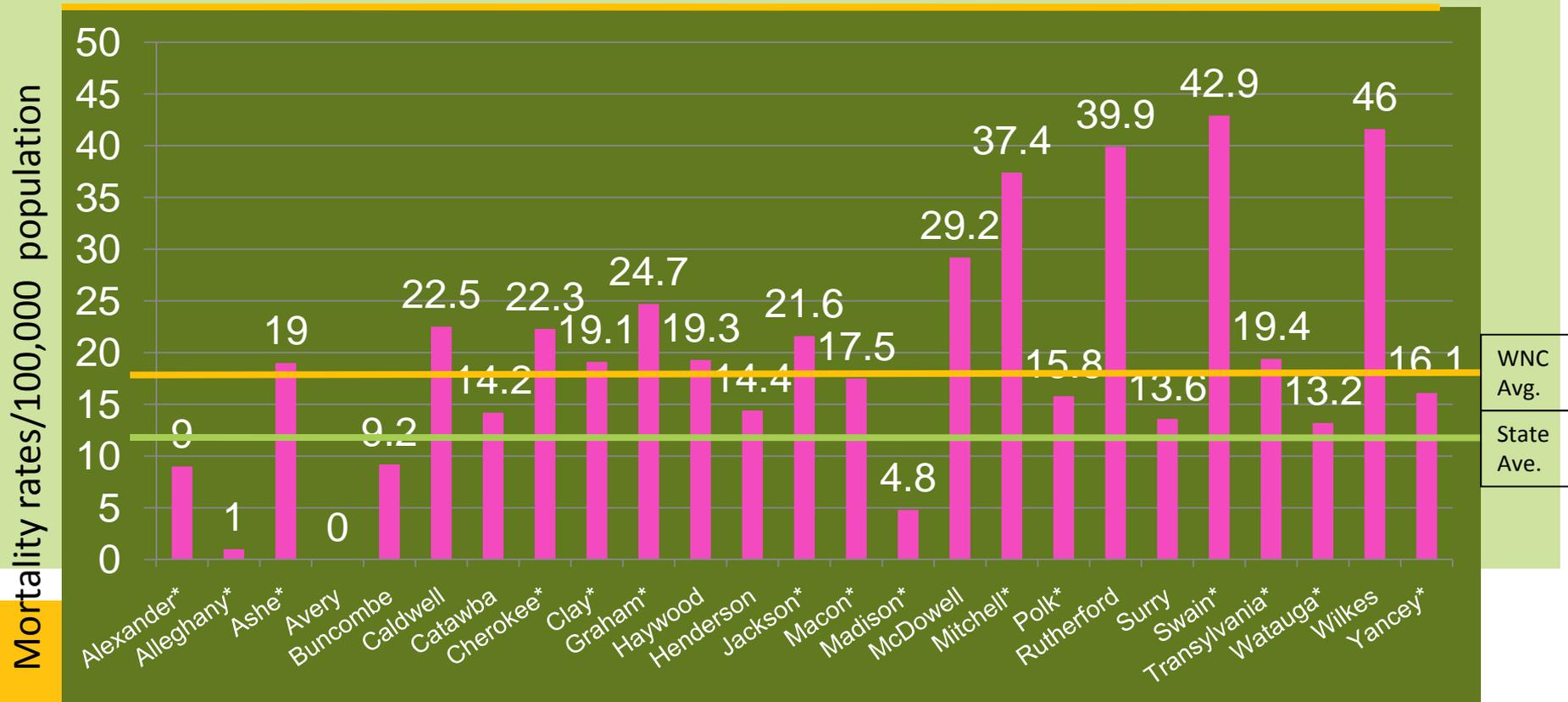
Number of unintentional and undetermined poisonings from narcotics*: NC residents, 2001-2009

Number of poisoning deaths with a drug mentioned



Source: NC SCHS, *T-codes (40.1 and 40.5), (40.2 and 40.4) and 40.3, 9/20109

Unintentional and undetermined intent poisoning mortality rates/100,000 population: Western NC Counties, 2008



* Less than 10 deaths

Mortality data source: NC SCHS, August 2009

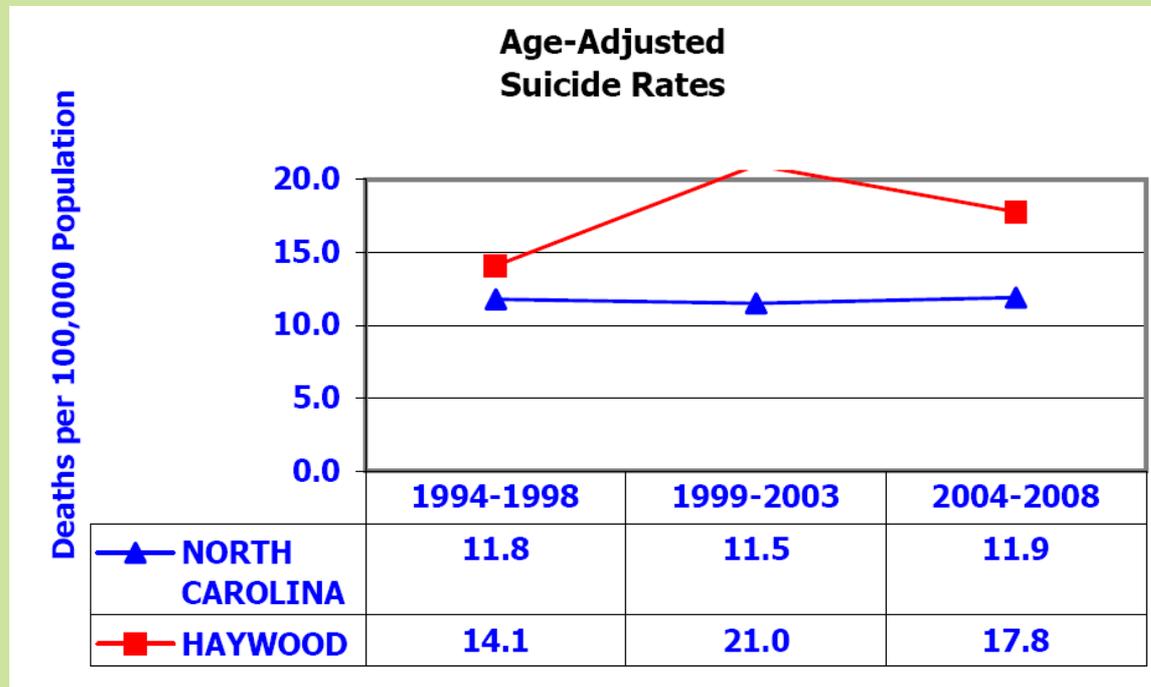
Health Action Team Progress: *Mental Health*

2010 SUCCESSES - *7 Total Interventions to Achieve by 2012*

- **Supportive of Healthy Ideas Program**
 - Training completed for evidence based screening tool for depression in seniors
 - Currently being used by DSS caseworkers
- **Support Homeless Shelter in Haywood County**
 - Newly added intervention to the team's action plan
 - Provide education and resources to the homeless shelter staff and volunteers as well as the homeless community who access the shelter through presentations, literature, and resource guide for homeless
- **Mental Health Display Board**
 - Educate/Break Stigma/Bring Awareness/Provide Resources
 - Displayed at Haywood County Fair Grounds / estimated viewers: 10,000
 - Continue to display in 2011
- **Article of the Month**
 - 4 printed in local newspaper
 - Continue 2011
- **Mental Health E-mail Newsletter to Faith Community**
 - Three issues of newsletter completed this year
 - Faith-based e-mail database completed listing 83 churches



North Carolina & Key Trends in Key Health Indicators: Haywood County



Source: North Carolina County Trend Reports/State Center for Health Statistics



Additional Healthy Haywood Successes

Part Time Employee Hired

- First time the program has had a much needed Assistant Coordinator
- Funded by *State of Franklin*

Member Orientation Procedures Developed

- Memorandum of Agreement for all members

Partnership Website Maintained

- www.healthyhaywood.org

Monthly Meeting Attendance 2010

• **Healthy Living Action Team**

Total # of all who attended: **55** Total # meeting hours donated: **137.5**

• **Substance Abuse Action Team**

Total # of all who attended: **86** Total # meeting hours donated: **215**

• **Mental Health Action Team**

Total # of all who attended: **43** Total # meeting hours donated: **107.5**

• **Steering Committee**

Total # of all who attended: **29** Total # meeting hours donated: **72.5**

VOLUNTEER HOURS DONATED FOR EVENTS NOT LISTED



Healthy Haywood is a program of the Haywood County Health Department and certified Healthy Carolinians Partnership

Health Promotion - Community Outreach

Health Fairs

- 9 Health Fairs with 30 various health display booths
- Estimated attendance: 8,970

Health Education Classes

- 65 total classes taught covering topics such as:
 - Healthy Living (Nutrition, Physical Activity, Flu Education)
 - Alcohol Education
 - Tobacco – Adult
 - Tobacco - Youth
- Total estimated attendance: 1724

Trainings

- 17 High School students trained in TATU - “Teens Against Tobacco Use”
- 26 Teachers/Counselors trained in “Spit Tobacco & Tobacco 101”



Health Promotion Initiatives

- Supported the development of a healthy living calendar for the academic year for Haywood County students grades K-8 – 4900 distributed through the School Health Advisory Council (SHAC)
- Supporting Fruits and Veggies Grant awarded to two elementary schools by teaching nutrition classes
- Body Mass Index (BMI) data collection for students grades K-5
- Established Tobacco Reality Unfiltered (TRU Clubs) at Tuscola and Pisgah High Schools/Hold monthly meetings at each school/Conduct various tobacco prevention projects throughout the school year
- Coordinated two Teens Against Tobacco Use (TATU) trainings/7 students were trained allowing students to teach tobacco prevention curriculum to all fifth graders in the county/Approximately 635 students taught



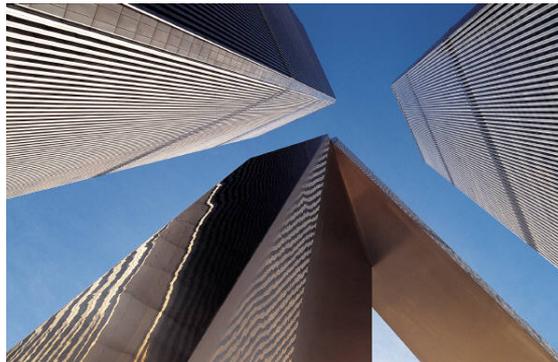
Health Promotion Initiatives - continued

- Spit Tobacco Education & Tobacco 101 Training in Haywood County
Provided by Health & Wellness Trust Fund - 26 teachers, counselors, and professionals from Haywood County Schools attended the training
- Moms On the Move (MOMS) - an exercise and nutrition class for WIC moms was offered for 8 weeks/However, the class ended after the fifth week due to various barriers
- “Through With Chew Week” - Smokeless tobacco events held during lunch at Pisgah and Tuscola High Schools
- Local Smoke Free Public Policies Survey
Conducted survey with 7 public officials in Haywood County
- Water Policy for Haywood County Health Department established
Approved and adopted by the Board of Health



Haywood County Emerging Issues

- Promotion of the HB2 (No smoking in restaurants Law)
- HIV/AIDS Task Force in Haywood County-Re-established
Monthly meetings held/Action Plans developed/Professional Trainings & Public Forum underway
- Implementation of the Public Health Awareness and Solid Waste County Ordinance
- Preparation for moving into a new space by October 2011
- Preparation for state accreditation in FY 2012
- Converted to the state's new Health Information System (HIS) in May 2010.



Questions? – Contact
Haywood County Health Director
Carmine Rocco
crocco@haywoodnc.net

Health Education Department
sduginske@haywoodnc.net
awilkins@haywoodnc.net
828.452.6675

Thank you



2177 Asheville Road
Waynesville, NC 28786
P452-6675

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