North Carolina State Health Issues/Trends

Legislative Oversight Committee Pam Silberman, JD, DrPH President & CEO NCIOM

December 11, 2012



North Carolina Institute of Medicine

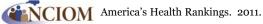
- Quasi-state agency chartered in 1983 by the NC General Assembly to:
 - Be concerned with the health of the people of North Carolina
 - Monitor and study health matters
 - $\, Respond \, authoritatively \, when \, found \, advisable \,$
 - Respond to requests from outside sources for analysis and advice when this will aid in forming a basis for health policy decisions

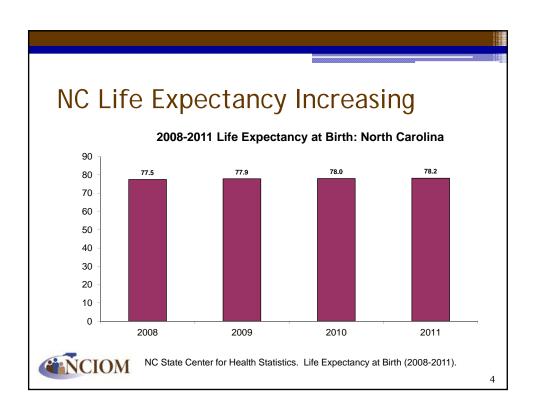
NCGS §90-470

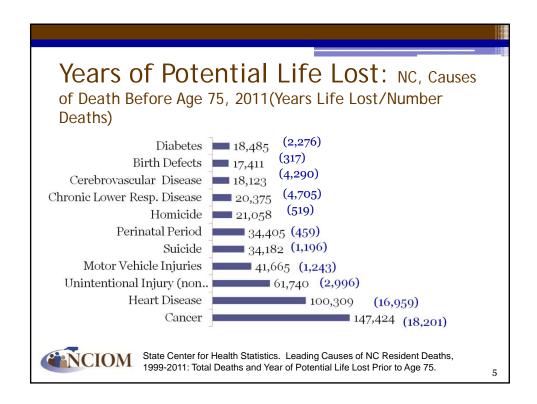


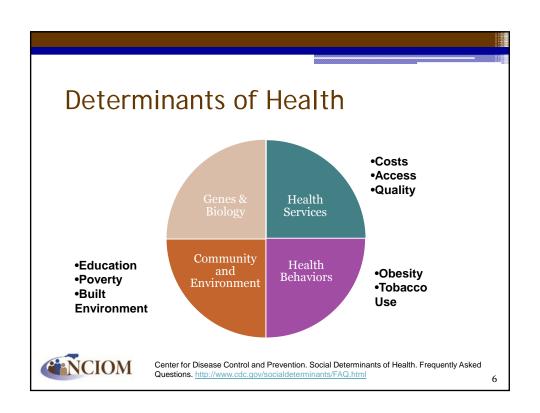
North Carolina's Health: A **Snapshot**

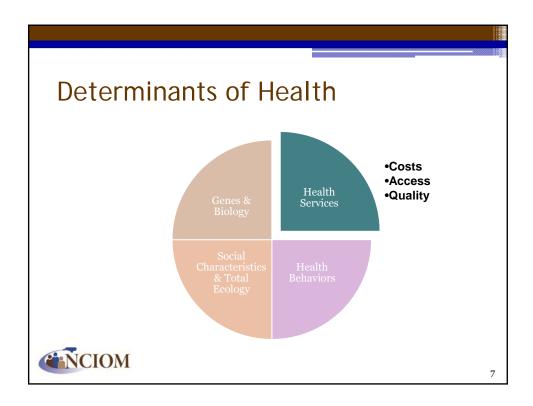
- North Carolina ranks 32nd of the 50 states in population health measures in 2011. (America's Health Rankings, 2010)
 - North Carolina ranked 31st in determinants of health (eg, smoking, binge drinking, obesity, poverty, preventable hospitalizations).
 - North Carolina ranked 38th in health outcomes (eg, diabetes, poor physical and mental health days, cancer and cardiovascular deaths, infant mortality rate, premature deaths).







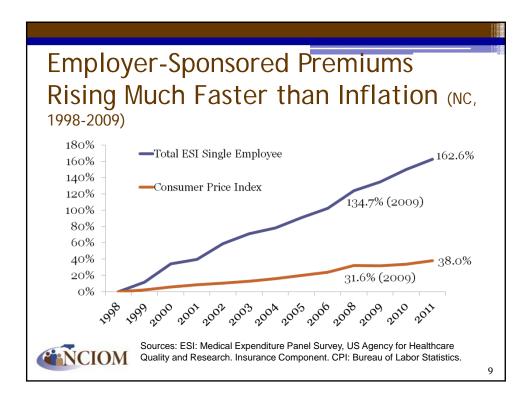




Health Care Costs Rising Faster than Other Expenses

- US spending on health care rising far more rapidly than other costs in our society.
 - US spends more on health care than any other industrialized nation does.
 - Health care costs rising about 3 times the rate of inflation.

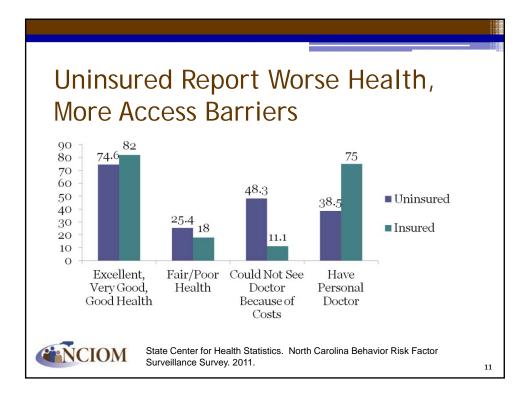




Insurance Coverage

- Approximately 1.5 million uninsured in North Carolina (19% of the nonelderly population).
- Being uninsured has a profound impact on health and financial wellbeing.
 - People who are uninsured are less likely to have a personal doctor, more likely to report delaying care due to costs, and more likely to end up in the hospital for preventable health problems or late stage cancer.

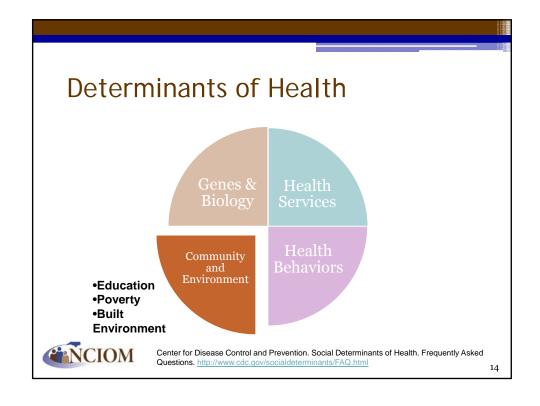
US Census. Current Population Survey (CPS) Annual Social and Economic Supplement. Health Historical Tables. Table HIA-6.



Quality

- US Agency for Healthcare Research and Quality creates a state "dashboard" on overall health care quality.
 - Comprised of more than 150 measures, reported at the state level.
 - Examines clinical care measures related to cancer, heart disease, diabetes, heart disease, maternal and child health, respiratory diseases, asthma, preventive services, functional well-being, institutional care.
- North Carolina is rated as "average" when compared to other states on different quality measures (2011).
 NCIOM

NC Quality Improving Over Time **Sources of Care Most Recent Data Trend Data Hospital Care** 31 measures with trend data: 9 better than national, 18 same, 7 worse Improved (81%), unchanged (10%), worsened (10%). 11 better than national, 39 measures with trend data: **Ambulatory** Improved (44%), unchanged Care 45 same, 13 worse, 19 NA (36%), worsened (18%). **Nursing Home** 6 better than national, 1 19 measures with trend data: Improved (79%), unchanged Care same, 12 worse (16%), worsened (5%) **Home Health** 10 measures with trend data: 2 better than national, 2 Care same, 6 worse Improved (10%), unchanged (50%), worsened (40%) NCIOM Agency for Healthcare Research and Quality. North Carolina. Dashboard on Health Care Quality Compared tot All States. 2011. 13

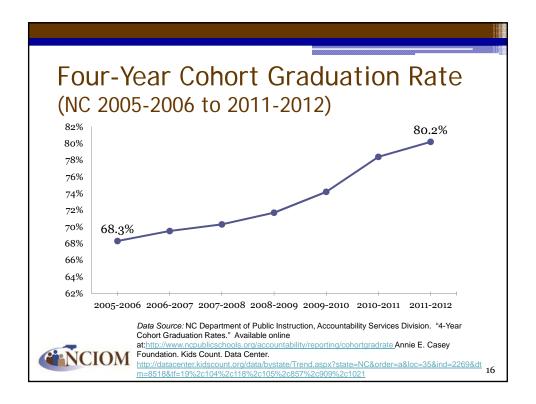


Educational Achievement Impacts Health

- Adults who do not graduate from high school are more likely to be in poor or fair health than college graduates.
 - They are more likely to suffer from acute and chronic health conditions including heart disease, high blood pressure, stroke, high cholesterol, asthma, and diabetes.
 - Individuals with less education are more likely to engage in risky health behaviors such as smoking and being physically inactive.



Robert Wood Johnson Foundation. Commission to Build a Healthier America. Education Matters for Health (2009), Cutler D. National Bureau of Economic Research. Education and health: evaluating theories and evidence. 2009.

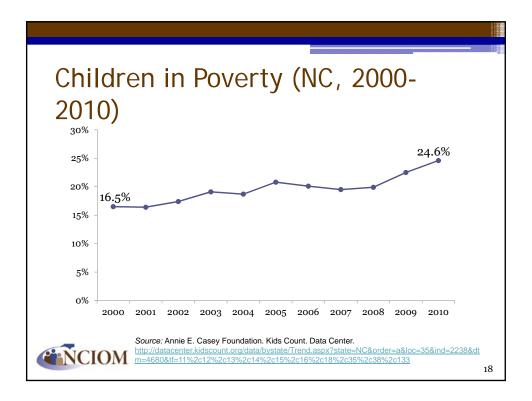


Childhood Poverty Has Short and Long-term Health Consequences

- Economic hardship experienced in childhood results in significantly higher risk of poor health in adulthood.
- Poor children are more likely to have a chronic illness and have higher rates of accidental injuries than higher income children.
- Children living in poverty lag behind more affluent children in cognitive, language, and socioemotional skills as early as three years of age.



Benzeval M. Evidence on the relationship between low-income and poor health. Fiscal Studies. 2000; Lundberg O. The impact of childhood living conditions on illness and mortality in adulthood. Soc Sci Med. 1993; Fiscella K. Disparities in academic achievement and health. Pediatrics. 2009.

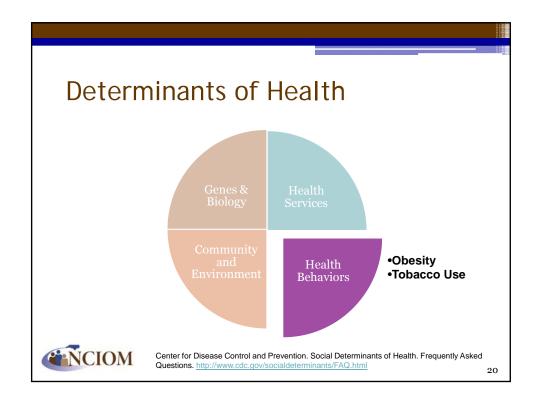


Built Environment Contributes to Health

- National research has shown that aspects of the built environment—such as public transit, sidewalks, traffic-calming devices—are associated with greater physical activity and lower obesity rates.
 - 60% of adults in North Carolina reported that they would be more physically active if their communities had more accessible sidewalks or walking trails (2007).
 - North Carolina Department of Transportation has developed a statewide bicycle and pedestrian transportation plan and Complete Streets policy to promote bicycling and walking opportunities.



Conti E. North Carolina Department of Transportation's Vision for Healthy Communities through Sustainable Transportation, NCMJ 73(4), 2012. Behavioral Health Risk Factor Surveillance Survey, 2007. Robert Wood Johnson Foundation. Active Transportation. Summer 2009.

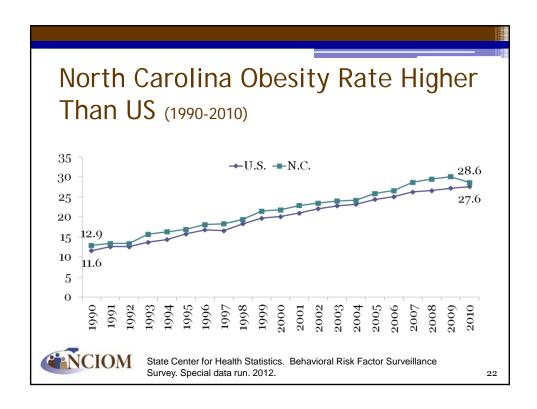


Obesity Has Negative Health Consequences

- Obesity related to consuming too many calories, and burning too few calories (lack of physical activity).
 This is an energy imbalance.
- Obesity contributes to heart disease, Type 2 diabetes, stroke, and certain types of cancer.
- The medical costs for obese people was estimated to be 42% higher than spending for normal weight people (2006).



CDC. Obesity. Causes and Consequences, Adult obesity facts. Finkelstein EA. At the intersection of health, health care, and policy. Health Affairs. 2009



Tobacco Use Is Leading Preventable Cause of Health Problems

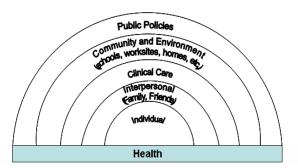
- Tobacco use causes more deaths than HIV, illegal drug use, alcohol use, motor vehicle injury, suicide, and murder combined.
- Cigarette smoking causes cardiovascular disease, emphysema, bronchitis, COPD, and many cancers including lung, mouth, pancreatic, stomach, and cervical cancer.
 - Secondhand smoke causes lung cancer and heart disease.
- Smoking attributable costs amount to \$2.5 billion/year in North Carolina in medical costs, and \$3.3 billion for lost productivity (2004).



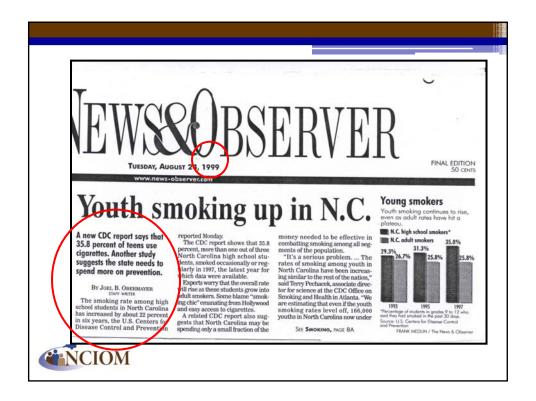
CDC. Tobacco-related mortality; health effects of cigarette smoking; Secondhand smoke facts. CDC. Sustaining State Programs for Tobacco Control Data Highlights. 2006.

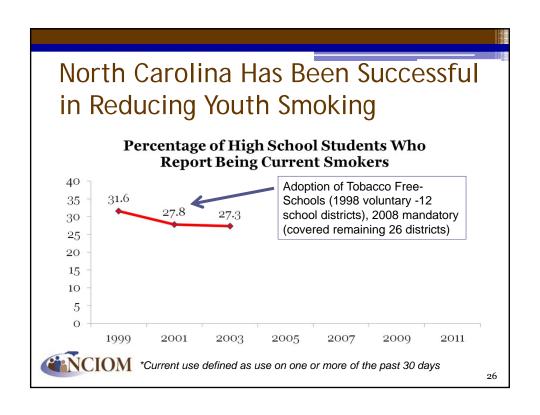
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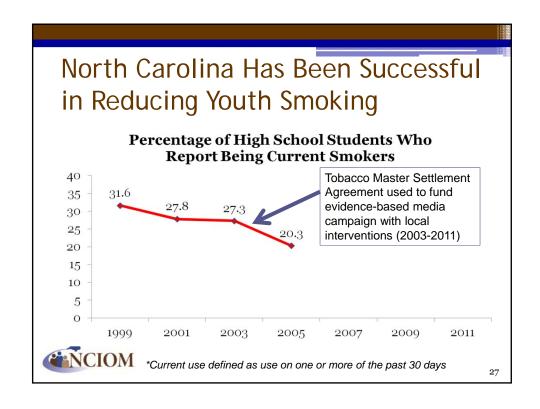
Successful Strategies to Improve Population Health Are Multifaceted

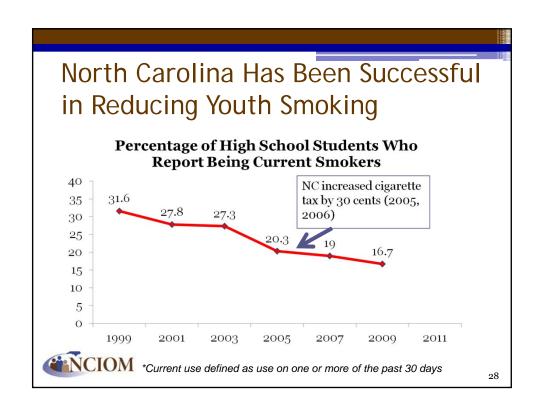


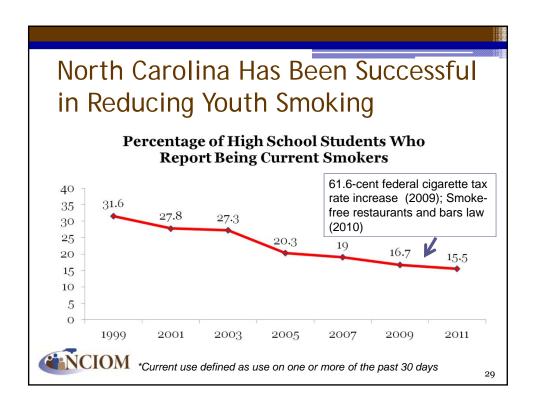


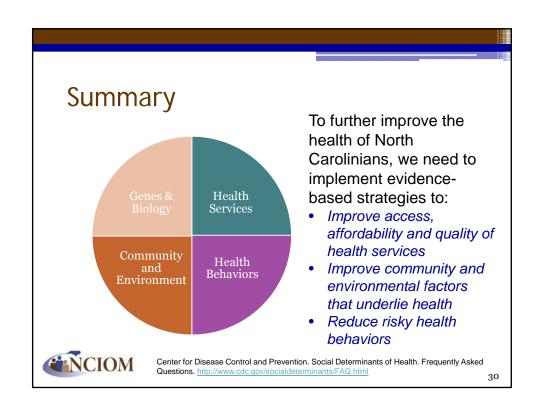














For More Information

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