

Appendix C

Data Definitions and Sources

DATA NAME ACRONYM VARIABLE NAME	DESCRIPTION	SOURCE AND YEAR
MODEL VARIABLES		
County Health Department CHD Single	County Health Department N=75 Yes=1 No=0	N/A
District Health Department DHD District	District Health Department N=6 Yes=1 No=0	N/A
Public Health Authority PHA Pub_Health_Auth	Public Health Authority N=1; Hertford Yes=1 No=0	N/A
Consolidated Human Services Agency CHSA Consolidated	Consolidated Human Services Agency N= 2; Wake and Mecklenburg Yes=1 No=0	N/A
Hospital Authority HA Hosp_Auth	Hospital Authority N=1; Cabarrus Yes=1 No=0	N/A
County Health Department—High Population (CHD—High Pop) Sing_Pop_High	A county health department with a population between 100,000 and 500,000. A grouping used only for the descriptive statistical analysis.	Population threshold based on NACCHO
County Health Department—Med Population (CHD—Med Pop) Sing_Pop_Med	A county health department with a population between 50,000 and 99,999. A grouping used only for the descriptive statistical analysis.	Population threshold based on NACCHO
County Health Department—Low Population (CHD—Low Pop) Sing_Pop_Low	A county health department with a population under 49,999. A grouping used only for the descriptive statistical analysis.	Population threshold based on NACCHO
Other	For the in-depth statistical analysis, consolidated human services agency (n=2), public health authority (n=1), and hospital authority (n=1). These models were grouped together because there are simply too few of these agency types in existence in North Carolina to render results that are generalizable.	
FINANCIAL VARIABLES		
Population based on vital records Pop_Vital_Rec	Population based on Vital Records. Population estimates used for calculating the financial per capita data and FTE per capita. Expressed as a numeric value.	NC State Center for Health Statistics 2005, 2006, 2007, 2008, 2009, 2010, 2011
General aid to counties Gen_Aid_to_Co	General Aid to Counties is state money granted to all LHDs to be used at the discretion of the LHD. Amount of General Aid changes based on inflation and legislation. Expressed as a numeric value.	NC DHHS Revenue Source Book FY2006, FY2007, FY2008, FY2009, and FY2010

Environmental health state allocation Enviro_Health_Dollars	Environmental Health Dollars: Dept of Environmental and Natural Resources allocates money to all LHDs on an annual basis to assist in carrying out environmental health services. Expressed as a numeric value.	NC DHHS Revenue Source Book FY2006, FY2007, FY2008, FY2009, and FY2010
General aid to counties per capita Gen_Aid_to_Co_Per_Capita	General Aid to Counties per Capita is the dollar amount of General Aid divided by the LHD's population. Population is based on vital statistics. Expressed as a numeric value.	NC DHHS Revenue Source Book FY2006, FY2007, FY2008, FY2009, and FY2010
Number of state and federal grants Num_of_Grants	Number of Grants from the State of NC and the Federal Government. Grants include competitive and those automatically awarded on the basis of community health status. Expressed as a numeric value.	NC DHHS Revenue Source Book FY2006, FY2007, FY2008, FY2009, and FY2010
Total dollar amount of state and federal grants Total_Grant_Money	Total Grant Money is the total dollar amount of grants for the State of NC and the Federal Government. Expressed as a numeric value.	NC DHHS Revenue Source Book FY2006, FY2007, FY2008, FY2009, and FY2010
Total dollar amount of state and federal grants per capita Grant_per_Capita	Grant per Capita is the dollar amount of state and federal grants divided by the LHD's population. Population is based on vital statistics. Expressed as a numeric value.	NC DHHS Revenue Source Book FY2006, FY2007, FY2008, FY2009, and FY2010
Total dollar amount of state and federal expenditures Total_State-and_Fed_Exp	Total State and Federal Expenditures is the total dollar amount of General Aid to Counties, Environmental Health Dollars, and state and federal grants. Expressed as a numeric value.	NC DHHS Revenue Source Book FY2006, FY2007, FY2008, FY2009, and FY2010
Total dollar amount of state and federal expenditures per capita Total_State_and_Fed_Exp_per_Capita	Total State and Federal Expenditures per Capita is the total dollar amount of General Aid to Counties, Environmental Health Dollars, and state and federal grants divided by the LHD's population. Population is based on vital statistics. Expressed as a numeric value.	NC DHHS Revenue Source Book FY2006, FY2007, FY2008, FY2009, and FY2010
Percentage of total expenditures composed of state and federal funding Percent_of_Total_Act_Exp_Fed_State	Percentage of Total Expenditures Composed of State and Federal expenditures is the proportion of an LHD's total expenditures composed of state and federal contributions. Expressed as a numeric value.	NC DHHS Revenue Source Book FY2006, FY2007, FY2008, FY2009, and FY2010
Total dollar amount of local expenditures Total_Local_Exp	Total Local Expenditures are composed of three sources of revenue: Ad valorem tax appropriations, Medicaid reimbursements, and other revenues. Expressed as a numeric value.	NC DHHS Revenue Source Book FY2006, FY2007, FY2008, FY2009, and FY2010
Total dollar amount of local expenditures per capita Total_Local_Exp_per_Capita	Total Local Expenditures per Capita are the total dollar amount of local contribution divided by the LHD's population. Population based on vital statistics. Expressed as a numeric value.	NC DHHS Revenue Source Book FY2006, FY2007, FY2008, FY2009, and FY2010
Percentage of total actual expenditures composed of local expenditures Percent_of_Total_Act_Exp_Local	Percentage of Total Actual Expenditures Composed of Local Contributions. Expressed as a numeric value.	NC DHHS Revenue Source Book FY2006, FY2007, FY2008, FY2009, and FY2010
Total actual expenditures Total_Act_Exp	Total Actual Expenditures are composed of state and federal contributions as well as local contributions. Expressed as a numeric value.	NC DHHS Revenue Source Book FY2006, FY2007, FY2008, FY2009, and FY2010

Total_Act_Exp_per_Capita	Total Actual Expenditures divided by a LHD's population. Population based on vital statistics. Expressed as a numeric value.	NC DHHS Revenue Source Book FY2006, FY2007, FY2008, FY2009, and FY2010
Total expenditures from local appropriations Total local appropriation	Ad valorem appropriations refer to the portion of local taxes dedicated to LHD service delivery. Total dollar amount composed of ad valorem appropriations.	NC DHHS Revenue Source Book, FY2010
Percentage of total expenditures from local appropriation Percent local appropriation	Total dollar amount of expenditures derived from local appropriations divided by total dollar amount of expenditures for each LHD.	NC DHHS Revenue Source Book, FY2010
Total expenditures derived from Medicaid reimbursements Total Medicaid	Total dollar amount of expenditures derived from Medicaid.	NC DHHS Revenue Source Book, FY2010
Percentage total expenditures derived from Medicaid Percent Medicaid	Total dollar amount of expenditures derived from Medicaid divided by total dollar amount of expenditures for each LHD.	NC DHHS Revenue Source Book, FY2010
Total expenditures derived from other revenue Total Other	Total dollar amount of expenditures derived from fees for service, grants from private foundations, Medicare, or donations.	NC DHHS Revenue Source Book, FY2010
Percentage total expenditures derived from other revenue Percent Other	Total dollar amount of expenditures derived from other revenue divided by total dollar amount of expenditures for each LHD	NC DHHS Revenue Source Book, FY2010
FULL-TIME EQUIVALENT VARIABLES		
Total number of FTEs Total_FTE_Count	The total number of Full-Time Equivalents, which include full-time, part-time, and contract positions. Weekly part-time hours were converted to FTE by dividing by 40 and annual contract hours were converted to FTE by dividing by 2,000. Since a biennial survey is the data source, the mean was used for intervening years when data are not collected (FY2006, FY2008, FY2010). Expressed as a numeric value.	NC LHD Survey FY2005, FY2007, FY 2009, FY2011
FTEs per 1,000 population FTE_per_1,000_Pop	The number of FTES divided by a LHD's population. # of FTE/Total Population/1,000 Population based on vital statistics. Expressed as a numeric value.	NC LHD Survey FY2005, FY2007, FY2009, FY2011
Total number of FTEs categorized as administration Total_Admin_FTE	The total number of administration positions. Administration positions include the following occupational categories in the survey: Administration and Management, Health Director, PC or LAN Support, Epidemiologist/Statistician, and Interpreter. These positions were considered administration because they are shared across programs. FTE count includes full-time, part-time, and contract positions. Weekly part-time hours were converted to FTE by dividing by 40 and annual contract hours were converted to FTE by dividing by 2,000. Since a biennial survey is the data source, the mean was used for intervening years when	NC LHD Survey FY2005, FY2007, FY2009, FY2011

	data are not collected (FY2006, FY2008, FY2010). Expressed as a numeric value.	
Percentage of total FTEs composed of administration positions Percent_of_total_FTE_Admin	Percentage of Total FTEs that are composed of Administration FTEs. Expressed as a numeric value.	NC LHD Survey FY2005, FY 2007, FY2009, FY2011
TECHNOLOGY VARIABLES		
Percentage of Staff with Internet Access Percent_Staff_w_Internet_Access	Percentage of Staff with Internet Access at work. Expressed as a percent.	NC LHD Survey FY2011
Wireless Access Wireless	If the LHD has wireless Yes=1 No=0	NC LHD Survey FY2011
Virtual Private Network (VPN) VPN	If staff have access to Virtual Private Network Yes=1 No=0	NC LHD Survey FY2011
Disaster recovery and business continuity plan Disaster_Recover_Plan	If the LHD has a Business Continuity and Disaster Recovery Plan, the approach it takes to manage technology failures. Yes=1 No=0	NC LHD Survey FY2011
Tested disaster recovery and business continuity plan Tested_Disaster_Recov_Plan	If the LHD has tested its Business Continuity and Disaster Recovery Plan. Yes=1 No=0	NC LHD Survey FY2011
Geographic information system (GIS) provided by either a county department or LHD. GIS_County_or_dept	If the LHD has access to GIS through a county department or its own department. Yes=1 No=0	NC LHD Survey FY2011
Geographic Positioning System (GPS) GPS	If the LHD uses Global Positioning System Yes=1 No=0	NC LHD Survey FY2011
Number of desktops and laptops per FTE Number_of_Comp_per_FTE	Number of computers per FTE. Computers include desktop PCs and laptops. FTE count includes full-time, part-time, and contract positions for FY2011. Expressed as a numeric value.	NC LHD Survey FY2011
Percentage of computers less than five years old Percent_Comp_Less_than_5_Yrs	Percentage of computers less than five years old. Computers include desktop PCs and laptops. Expressed as a numeric value.	NC LHD Survey FY2011
Planned personal computer (PC) upgrades Planned_PC_Upgrades	Planned PC upgrades for FY2011. Yes=1 No=0	NC LHD Survey FY2011
Planned information technology (IT) upgrades Planned_IT_Upgrades	Planned IT Upgrades for FY2012. Yes=1 No=0	NC LHD Survey FY2011
Using_Smartphones_or_Tablets	If the LHD uses Smartphones and Tablets. Yes=1 No=0	NC LHD Survey FY2011
Smartphones or tablets Smartphones_or_Tablets_per_FTE	Number of Smartphones and Tablets per FTE. FTE count includes full-time, part-time, and contract positions for FY2011. Expressed as a numeric value.	NC LHD Survey FY2011
Whether the LHD uses clinical software beyond what the state provides Using_Nonstate_Clinical_Software	If the LHD supplements or has replaced the state-provided clinical software, Health Information Systems (HIS). Yes=1 No=0	NC LHD Survey FY2011
Whether the LHD uses billing software beyond what the state provides	If the LHD supplements or has replaced the state-provided billing software, Health	NC LHD Survey FY2011

Using_NonState_Billing_Software	Information Systems (HIS). Yes=1 No=0	
DEMOGRAPHIC VARIABLES		
Yearly averages for LHD service area unemployment rates. Unemploy_Rate	The percentage of the labor force that is unemployed. Data for districts represent a weighted average of the component counties' rates.	Bureau of Labor Statistics Local Area Unemployment Statistics FY2005, FY2006, FY2007, FY2008, FY2009, FY2010
Population in LHD service area Population	100 percent count of resident population of the LHD service area. Estimates for district health departments were created by combining data for corresponding counties. Expressed as a numeric value.	Census Bureau Intercensal Estimates of Resident Population for Counties FY2005, FY2006, FY2007, FY2008, FY2009, FY2010
Poverty rate for the LHD service area. Poverty_Rate	The percentage of the population earning less than the income threshold set by the federal government for poverty. The level is determined by family size, the number of children within a family, and the age of the householder. Data for districts represents a weighted average of the component counties' rates. Expressed as a numeric value.	Census Small Area Income and Poverty Estimates FY2005, FY2006, FY2007, FY2008, FY2009, FY2010
Median household income for the LHD service area. Median_House_Income	Median household income is the middle income of all households—half of the household earn more and half earn less. Household income is the total income of all income earners over age 15 living in a household. Figures for districts are estimated, not exact. Expressed as a numeric value.	Census Small Area Income and Poverty Estimates FY2005, FY2006, FY2007, FY2008, FY2009, FY2010 Data for districts represents a weighted average of the component counties' rates.
Population in LHD service area Population_Density	Number of people per square mile in LHD service area. Expressed as a numeric value.	Census Bureau Intercensal Estimates of Resident Population for Counties, NC Office of State Budget and Management FY2005, FY2006, FY2007, FY2008, FY2009, FY2010
Percent white in LHD service area Percent_White	Percent of population self-reporting as white non-Hispanic in LHD service area. Expressed as a numeric value.	Census Bureau Intercensal Estimates of Resident Population for Counties FY2005, FY2006, FY2007, FY2008, FY2009, FY2010
Percent black in LHD service area Percent_Black	Percent of population self-reporting as black or African-American non-Hispanic in LHD service area. Expressed as a numeric value.	Census Bureau Intercensal Estimates of Resident Population for Counties FY2005, FY2006, FY2007, FY2008, FY2009, FY2010
Percent Hispanic in LHD service area Percent_Hispanic	Percent of total population who identified their ethnicity as Hispanic or Latino (Hispanics/Latinos can be of any race) in LHD service area. Estimates for district health departments were created by combining data for corresponding counties. Expressed as a numeric value.	Census Bureau Intercensal Estimates of Resident Population for Counties FY2005, FY2006, FY2007, FY2008, FY2009, FY2010
Percent other (not white, black, or Hispanic) in LHD service area Percent_Other	Percent of population self-reporting in a race/ethnic category other than white, black, and Hispanic (includes American Indian, two or more races, Asian, etc.). Estimates for district health departments were created by combining data for corresponding counties. Expressed as a numeric value.	Census Bureau Intercensal Estimates of Resident Population for Counties FY2005, FY2006, FY2007, FY2008, FY2009, FY2010

Percent_High_School Graduate_or_Higher (Population 25 and Older)	Percent of population aged 25 with a high school diploma in LHD service area. Data for districts represents a weighted average of the component counties' rates. Figures for districts are estimated, not exact. Expressed as a numeric value.	American Community Survey 5-Year Estimates FY2010
Percent_Uninsured_Ages_0_to_64	Percent Uninsured: Proportion of population ages 0–64 that do not have health insurance. Estimates for district health departments were created by combining data for corresponding counties. Expressed as a numeric value.	Prepared by the North Carolina Institute of Medicine and the Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill. 2007, 2008, 2009. Source: Original analysis of the Current Population Survey March Supplement Data Note: Estimates are not directly comparable to 2005 and 2006 NCIOM/Sheps Center estimates due to slight changes in the methodology; thus these data were not available. 2010 figures are not complete.
SERVICES VARIABLES		
Percentage of 127 Public Health Activities Offered (a)	The percentage of 127 services that a LHD offered in FY2011. These data are used for the descriptive statistical analysis only. See Appendix B for full list of 127 services.	NC LHD Survey FY 2011
Percent_of_Services_Offered (b)	The percentage of 93 consistently tracked activities that a LHD offered during FY2005 to FY2011. This measure was used for the in-depth statistical analysis only, requiring that each fiscal year have the same denominator. The survey instrument, which provided the data for this measure, remained constant from FY2005 to FY2009 but changed significantly in FY2011. In FY2011, several service categories expanded, increasing the number of tracked services from 95 to 127. To ensure comparable data, we eliminated services that were not included in every survey and, when possible, reconciled services that shared similar descriptions and results across the years. Ultimately, we examined whether LHDs offered 93 services that were consistently tracked from FY2005 to FY2011. See Appendix E for a full list of the 93 services.	NC LHD Survey FY2005, FY2007, FY2009, FY2011
Serv_Mater_Care_Coord	Maternity Care Coordination	NC LHD Survey FY2005, FY2007, FY 2009, FY2011
Serv_WIC_Services_Mother	WIC Services-Mother	NC LHD Survey FY2005, FY2007, FY2009, FY2011
Serv_Prenatal_&_Postpartum_Care	Prenatal & Postpartum Care	NC LHD Survey FY2005, FY2007, FY2009, FY2011
Serv_Health_Assur_Prenatal_Care	Health Assurance—Prenatal Care	NC LHD Survey FY2005, FY 2007, FY2009, FY2011
Serv_Rest_Lodge_Instit_Inspect	Restaurant/ Lodging/ Institutions Sanitation and Inspections	NC LHD Survey FY2005, FY2007, FY2009, FY2011
Serv_Preg_Prev_Adoles	Pregnancy Prevention Adolescent	NC LHD Survey FY2005, FY2007, FY2009, FY2011

Serv_Adol_Health_Serv	Adolescent Health Services	NC LHD Survey FY2005, FY2007, FY2009, FY2011
Serv_Immun	Immunizations	NC LHD Survey FY2005, FY2007, FY2009, FY2011
Serv_Prim_Care_Peds	Primary Care Pediatrics	NC LHD Survey FY2005, FY2007, FY2009, FY2011
Serv_Well_Child_Serv	Child Health—Well-Child Services	NC LHD Survey FY2005, FY2007, FY2009, FY2011
Serv_Child_Serv_Coord	Child Services Coordination	NC LHD Survey FY2005, FY2007, FY2009, FY2011
Serv_Lead_Poison_Serv	Lead Poisoning Services	NC LHD Survey FY2005, FY2007, FY2009, FY2011
Serv_Lead_Abate	Lead Abatement	NC LHD Survey FY2005, FY2007, FY2009, FY2011
Serv_Early_Detect_and_Refer_for_Cancer	Early Detection and Referral for Cancer	NC LHD Survey FY2005, FY2007, FY2009, FY2011
Serv_Patient_Educ_Cancer	Patient Education Cancer	NC LHD Survey FY2005, FY2007, FY2009, FY2011
Serv_Prim_Care_Adult	Primary Care Adult	NC LHD Survey FY2005, FY2007, FY2009, FY2011
Serv_STD_Train_Educ	STD Training/Education	NC LHD Survey FY2005, FY2007, FY2009, FY2011
Serv_STD_Screen	STD Screening	NC LHD Survey FY2005, FY2007, FY2009, FY2011
Serv_AIDS_HIV_Screen	AIDS/HIV Screening	LHD Staff and Services Summary Survey FY2005, FY2007, FY2009, FY2011
Serv_Comp_Comm_Health_Assess	Comprehensive Community Health Assessment	LHD Staff and Services Summary Survey FY2005, FY2007, FY2009, FY2011
Serv_Behavioral_Risk_Assess	Behavioral Risk Assessment	LHD Staff and Services Summary Survey FY2005, FY2007, FY2009, FY2011
Serv_Comm_Health_Educ	Community Health Education	LHD Staff and Services Summary Survey FY2005, FY2007, FY2009, FY2011
Serv_Tuber_Control	Tuberculosis Control	LHD Staff and Services Summary Survey FY2005, FY2007, FY2009, FY2011
Serv_Acute_Comm_Diseas_Contr	Acute Communicable Disease Control	LHD Staff and Services Summary Survey FY2005, FY2007, FY2009, FY2011
Serv_Comm_Disease_Surveil	Communicable Disease Surveillance	LHD Staff and Services Summary Survey FY2005, FY2007, FY2009, FY2011
Serv_SIDS_Counsel	SIDS Counseling	LHD Staff and Services Summary Survey FY2005, FY2007, FY2009, FY2011
Serv_Health_Educ	Health Assurance—Health Education	LHD Staff and Services Summary Survey FY2005, FY2007, FY2009, FY2011
Serv_Health_Assur_Child_Health	Health Assurance—Child Health	LHD Staff and Services Summary Survey FY2005, FY2007, FY2009, FY2011

Serv_NewBorn_Home_Visits	New Born Home Visits	LHD Staff and Services Summary Survey FY2005, FY2007, FY2009, FY2011
Serv_Tobacco_Cess	Tobacco Cessation	LHD Staff and Services Summary Survey FY2005, FY2007, FY2009, FY2011
Serv_Nutrition_Counsel	Nutrition Counseling	LHD Staff and Services Summary Survey FY2005, FY2007, FY2009, FY2011
Service Delivery Outcomes		
* Estimates for district health departments were created by combining data for corresponding counties.		
Prenatal_Percent	Percentage of Medicaid deliveries where prenatal WIC assistance was received. Expressed as a numeric value.	NC Department of Health & Human Services, Nutrition Services Branch 2005, 2006, 2007, 2008, 2009, 2010
HealthChk_Percent	Percentage of Medicaid enrolled children who received at least one Health Check screening. HealthCheck Visits for FY 2005–2009 were provided by the agency listed. FY2010 rates were calculated using data from the prior two years. Expressed as a numeric value.	NC Department of Health & Human Services, Division of Medical Assistance 2005, 2006, 2007, 2008, 2009
Lead_Screen_Percent	Percentage of Medicaid-eligible children ages birth to 2 receiving direct blood lead screening tests. Expressed as a numeric value.	NC Department of Health & Human Services, Environmental Health Section 2005, 2006, 2007, 2008, 2009, 2010
Immun_Percent	Percentage of health department clients, age 2, who have received age-appropriate immunization. Expressed as a numeric value. Note: These are immunization compliance rates for children registered with the state health system. These are not immunization coverage rates.	NC Department of Health & Human Services, Women and Children's Health 2005, 2006, 2007, 2008, 2009, 2010
Health Status Outcomes		
*A district rate was derived using the total number of cases and population sizes, from each districts member's countywide or target population ((Total Cases/Population)*100,000). Population estimates supplied by Vital Records.		
*Disease rates based on small numbers of cases (fewer than 20,) can have large standard errors and confidence intervals that can be wider than the rates themselves. As such, these rates should be interpreted with caution.		
Chlamydia_Rate	Number of Chlamydia cases per 100,000 members of the population. Expressed as a numeric value. A district rate was derived using the total number of cases and population sizes, from each districts member's countywide or target population ((Total Cases/Population)*100,000). In the event a county population could not be calculated, the population from Vital Records was used.	NC Department of Health & Human Services, Epidemiology Section, Communicable Disease Branch 2005, 2006, 2007, 2008, 2009, 2010 Disease rates based on small numbers of cases (fewer than 20,) can have large standard errors and confidence intervals that can be wider than the rates themselves. As such, these rates should be interpreted with caution.
Gonorrhea_Rate	Number of Gonorrhea cases per 100,000 members of the population. Expressed as a numeric value.	NC Department of Health & Human Services, Epidemiology Section, Communicable Disease Branch 2005, 2006, 2007, 2008, 2009, 2010
HIVDisease_Rate	Number of HIV diagnoses per 100,000 members of the population. HIV Disease includes all newly diagnosed HIV infected individuals by the date of first diagnosis, regardless of status (HIV or AIDS). Expressed as a numeric value.	NC Department of Health & Human Services, Epidemiology Section, Communicable Disease Branch 2005, 2006, 2007, 2008, 2009, 2010
HIVDeath_Rate	Number of HIV-related deaths per 100,000	NC Department of Health & Human Services,

	members of the population. Expressed as a numeric value.	State Center for Health Statistics 2005, 2006, 2007, 2008, 2009, 2010
Syphilis_Rate	Number of syphilis cases per 100,000 members of the population. Expressed as a numeric value.	NC Department of Health & Human Services, State Center for Health Statistics 2005, 2006, 2007, 2008, 2009, 2010
TB_Rate	Number of tuberculosis cases per 100,000 members of the population. Expressed as a numeric value.	NC Department of Health & Human Services, State Center for Health Statistics 2005, 2006, 2007, 2008, 2009, 2010
Lead_Percent	Percentage of tested children, ages 1 and 2, with elevated blood lead levels (>10). Expressed as a numeric value.	NC Department of Health & Human Services, Environmental Health Section 2005, 2006, 2007, 2008, 2009, 2010
Infant_Rate	Infant mortality rate. Number of deaths of infants, under age 1, per 1,000 live births. Expressed as a numeric value. Rates based on fewer than 10 deaths are unreliable and should be interpreted with caution.	NC Department of Health & Human Services, State Center for Health Statistics 2005, 2006, 2007, 2008, 2009, 2010
Smoking	Percentage of adults who currently smoke. Expressed as a numeric value.	County Health Rankings 2009 (matched against 2009 LHD Data). Aggregate smoking percentage for 2002–2009.
Obesity	Percentage of the population estimated to be obese. Expressed as a numeric value.	County Health Rankings 2008 (matched against 2007 LHD data). Single-year obesity percentage for 2008. These data were matched against 2007 data for other variables, in a given model.
TeenPreg_Rate	The number of pregnancies per 1,000 women of reproductive age (15 to 19). Expressed as a numeric value.	NC Department of Health & Human Services, State Center for Health Statistics 2005, 2006, 2007, 2008, 2009, 2010