

**Please provide any community needs assessment done by you or on your behalf during the time period of January 1, 1998 through the present.**

Please see attached copies of the North Mississippi Health Services Community Health Assessment for 2001 and 2004.

**In providing the same, please identify specifically where your hospital considered its treatment of the uninsured in its community needs assessment.**

Please see indicated areas in Table of Contents, Table Lists of the attached Community Health Assessments

# **North Mississippi Medical Center Health Assessment, 2004**

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**May 2005**

## **Preface**

This health assessment is a source of health information for NMMC. Modeled on the Healthy People 2010 objectives, this survey was administered to a representative sample of 804 NMMC adults and 404 Lee County adults using random digit dialing methods and computer-assisted telephone interviews. This assessment provides a report card based on the Leading Health Indicators, as well as information regarding health status, utilization of health services, health beliefs, satisfaction with health care services, and health care reimbursements. This information serves both as a planning tool and a benchmark by which results of future health programs and prevention strategies can be evaluated.

In this report, a series of tables that describe numerous issues related to the health of adults in the NMMC area are presented. The first table provides data on the Healthy People 2010 Leading Health Indicators, as well as the Healthy People 2010 targets for each of these indicators.

In subsequent sections, NMHC findings are presented for nine health topic areas:

- Risk Factors
- Clinical Prevention Screenings
- Health Status
- Access to Health Care
- Satisfaction with Health Care
- Health Communication
- Community Involvement
- Sex-specific Health Issues

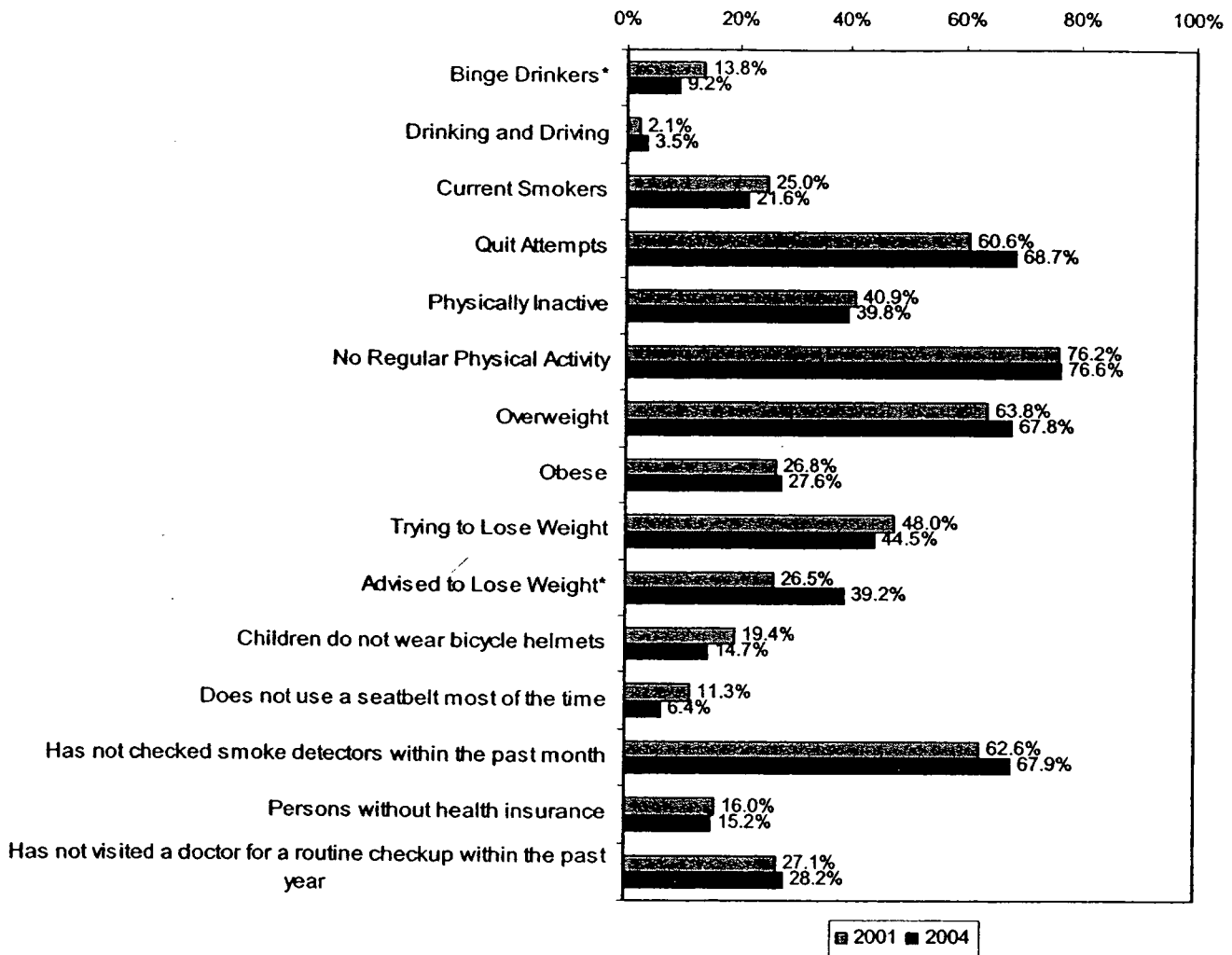
In each of these sections, the results are presented in tables that provide estimates for the entire adult population, as well as for males and females separately.

The Mississippi Health Assessment was made possible through support provided by The North Mississippi Medical Centers. Additional funds were provided by the by the Mississippi Agricultural and Forestry Experiment Station (MIS-605270).

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## Chapter 2: Risk Factors

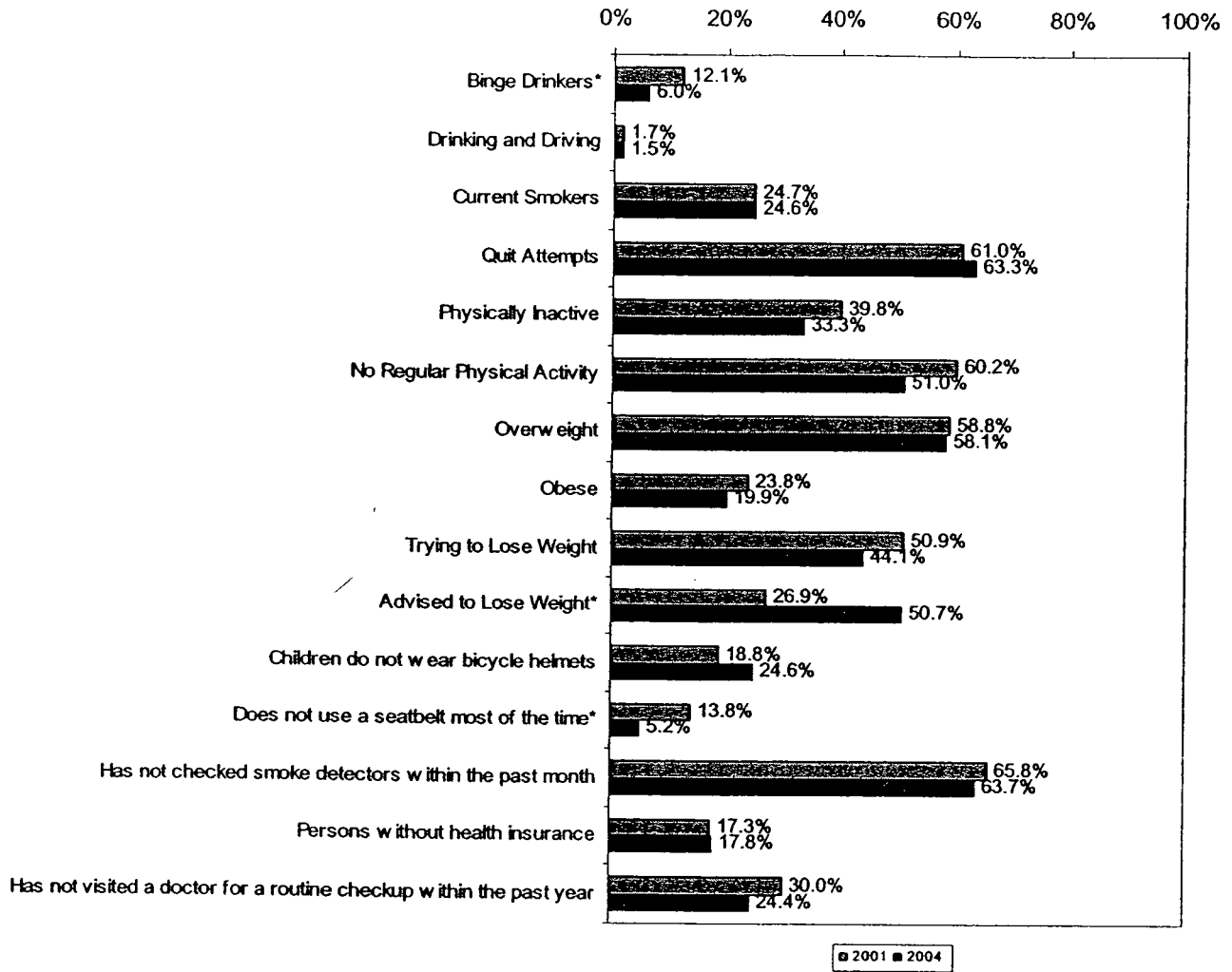
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\* Chi-square test,  $p < .05$

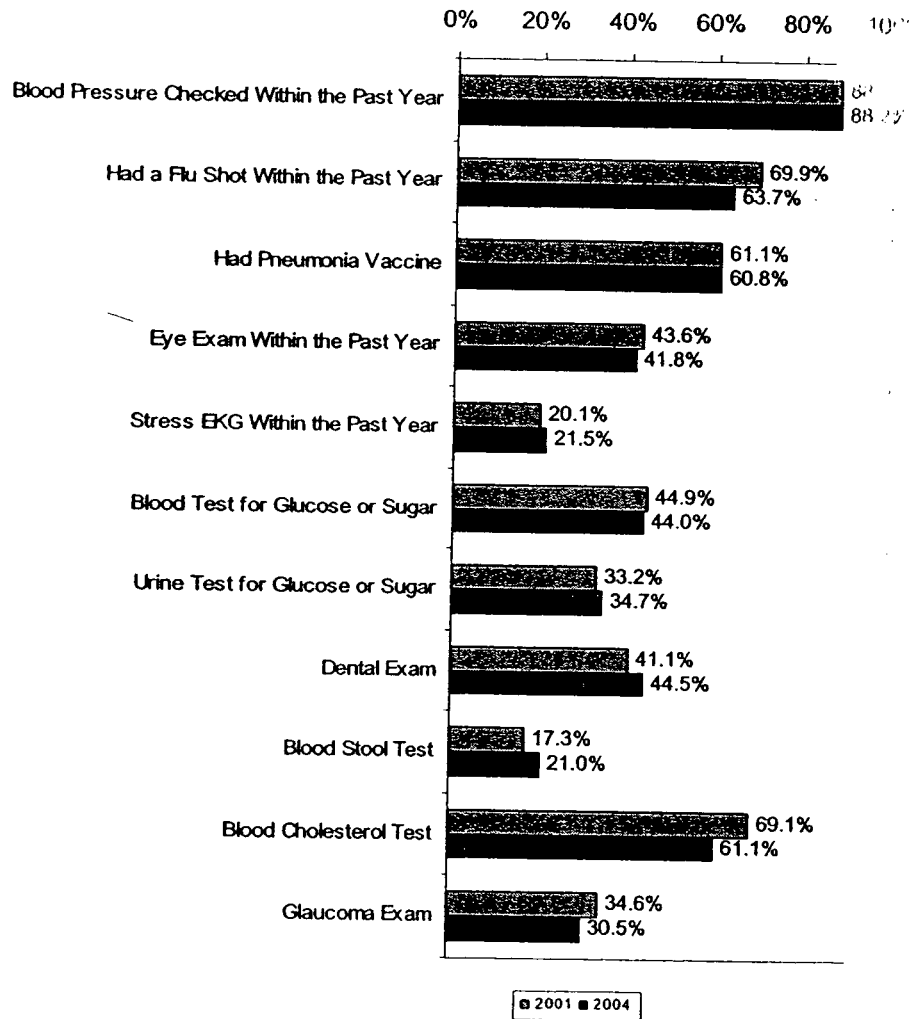
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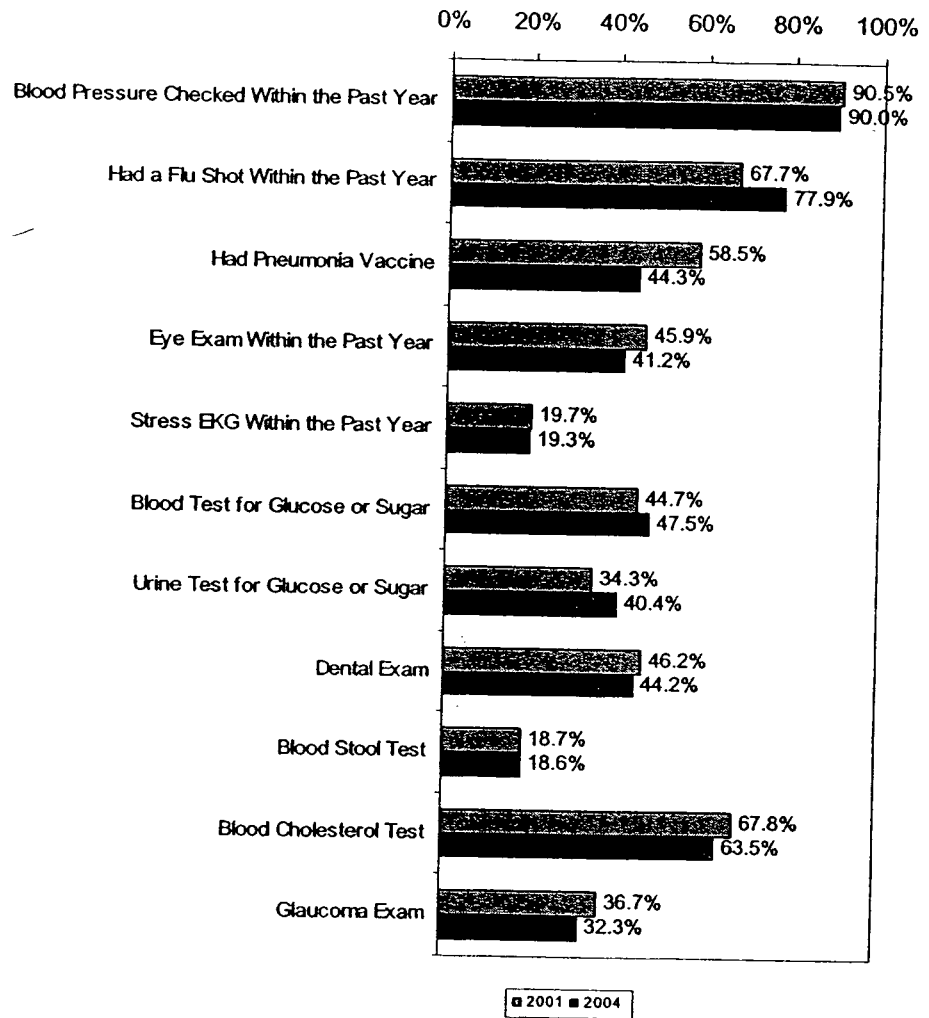
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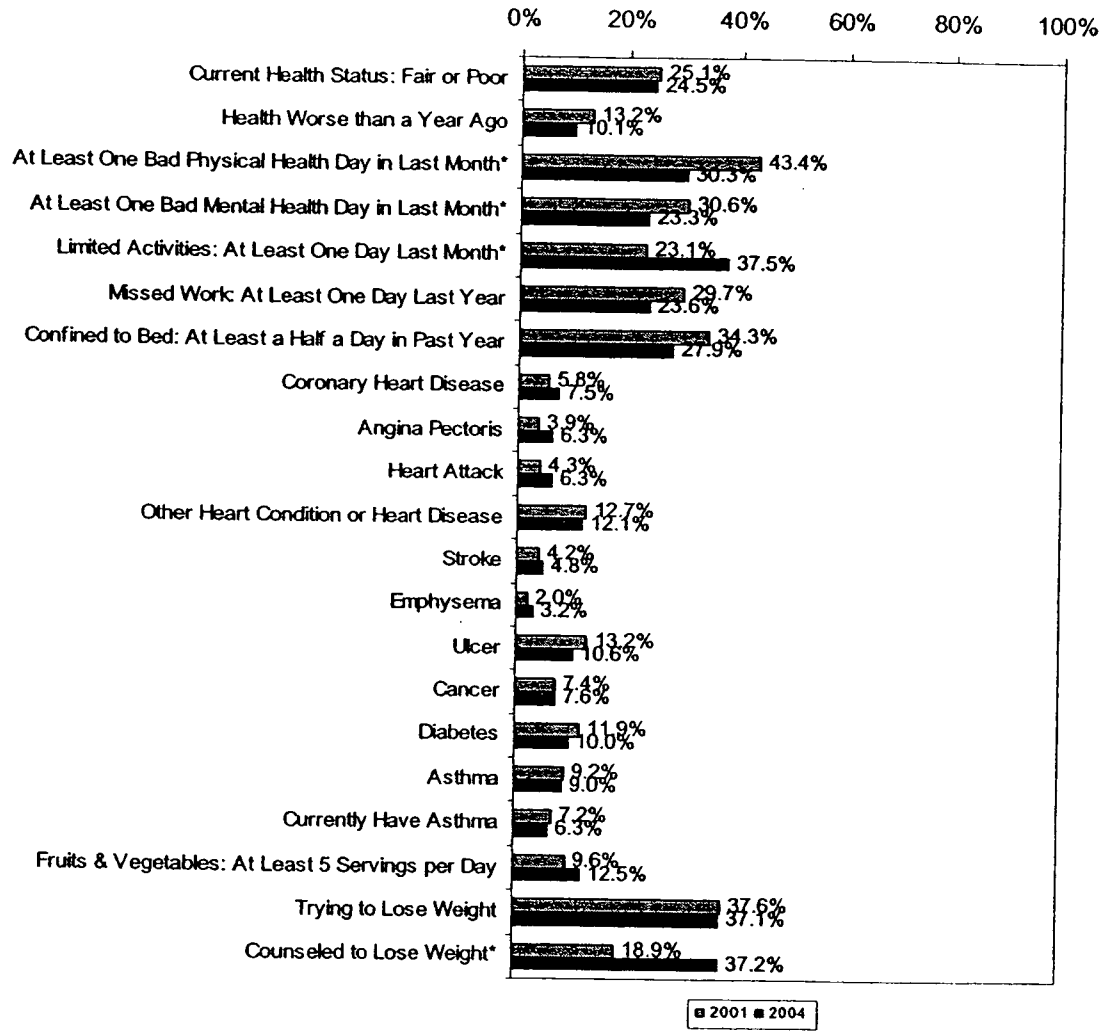
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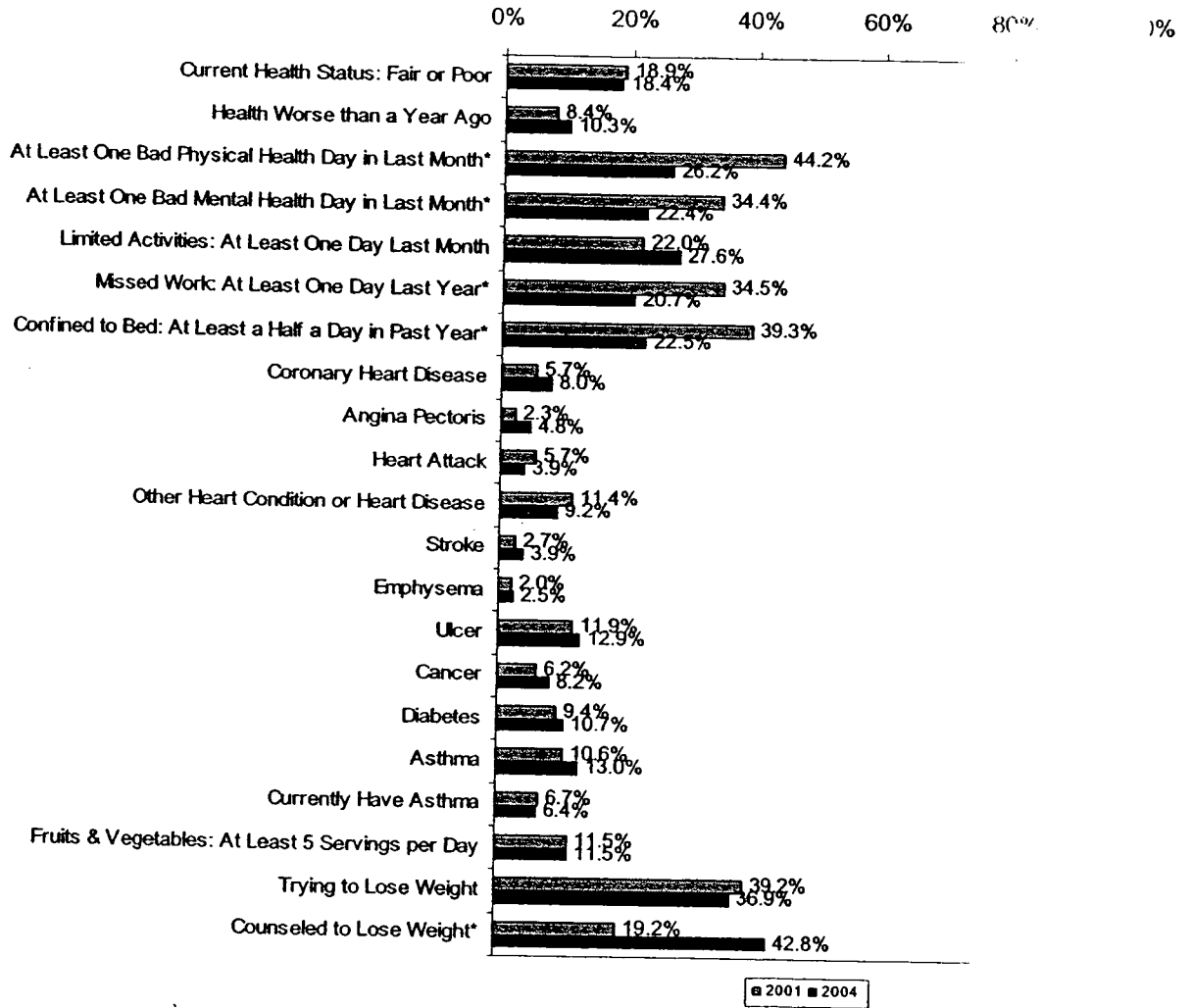
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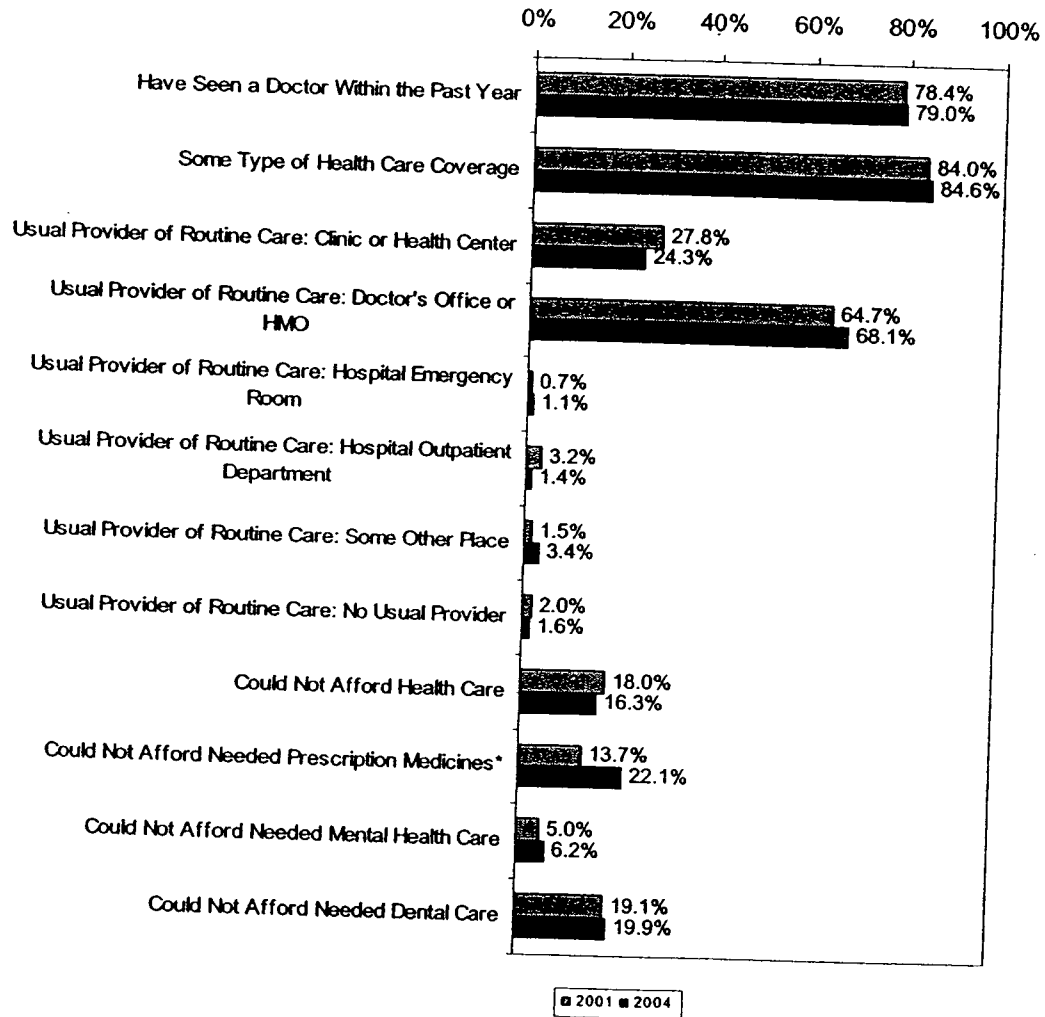
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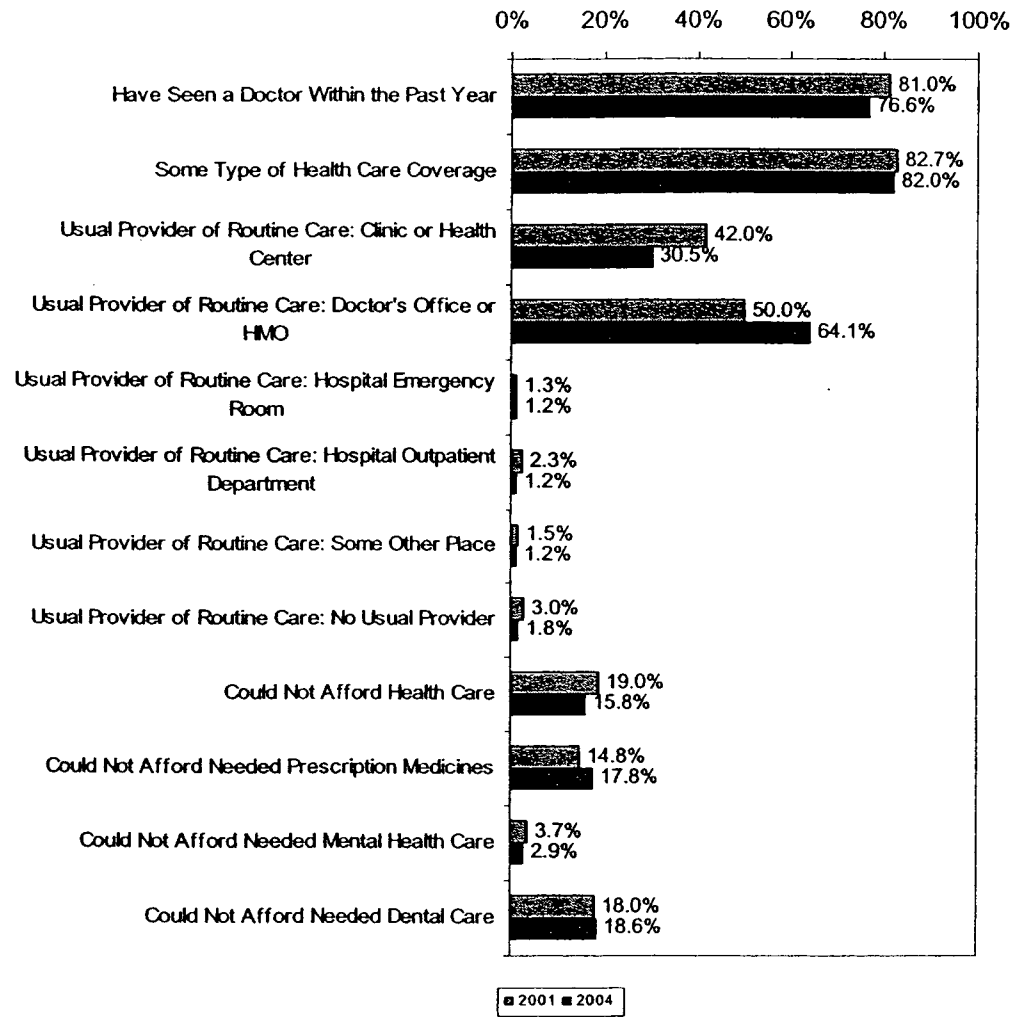
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### NMMC Area, 2001 & 2004



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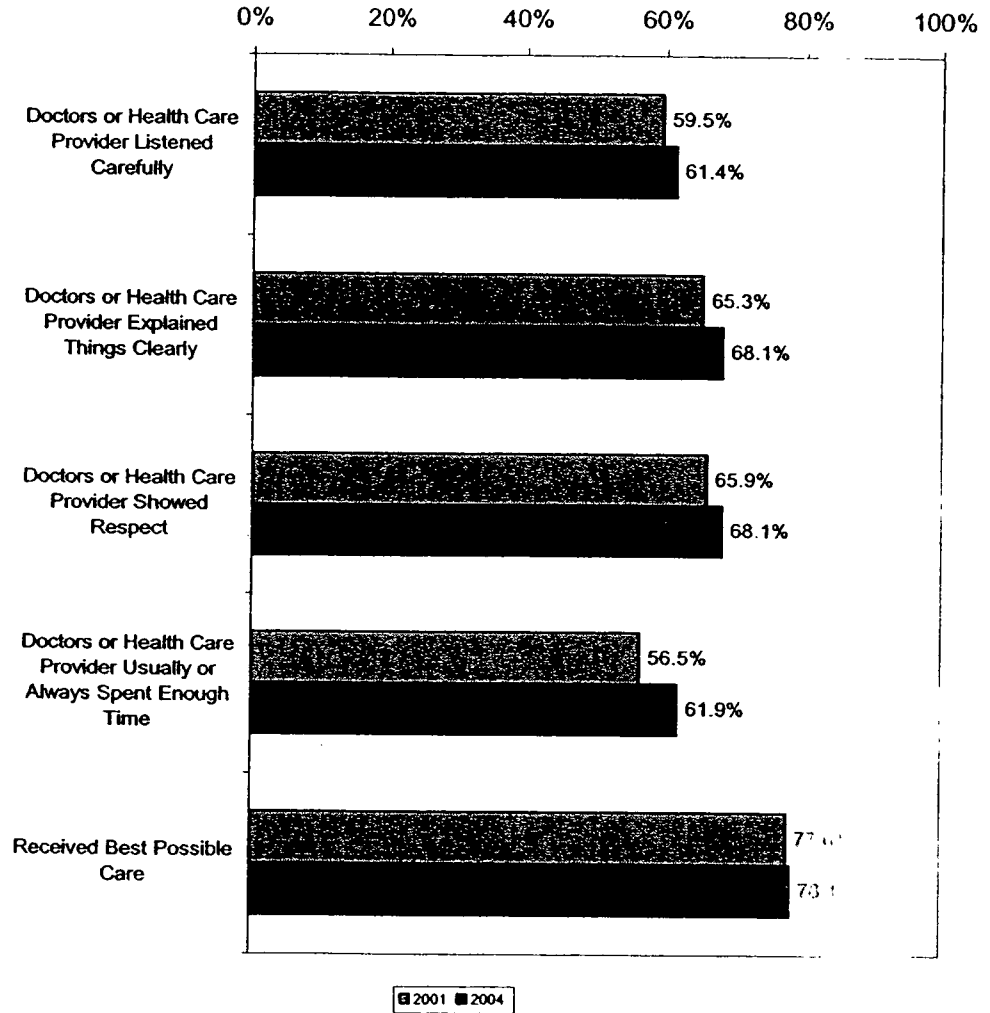
## Lee County, 2001 & 2004



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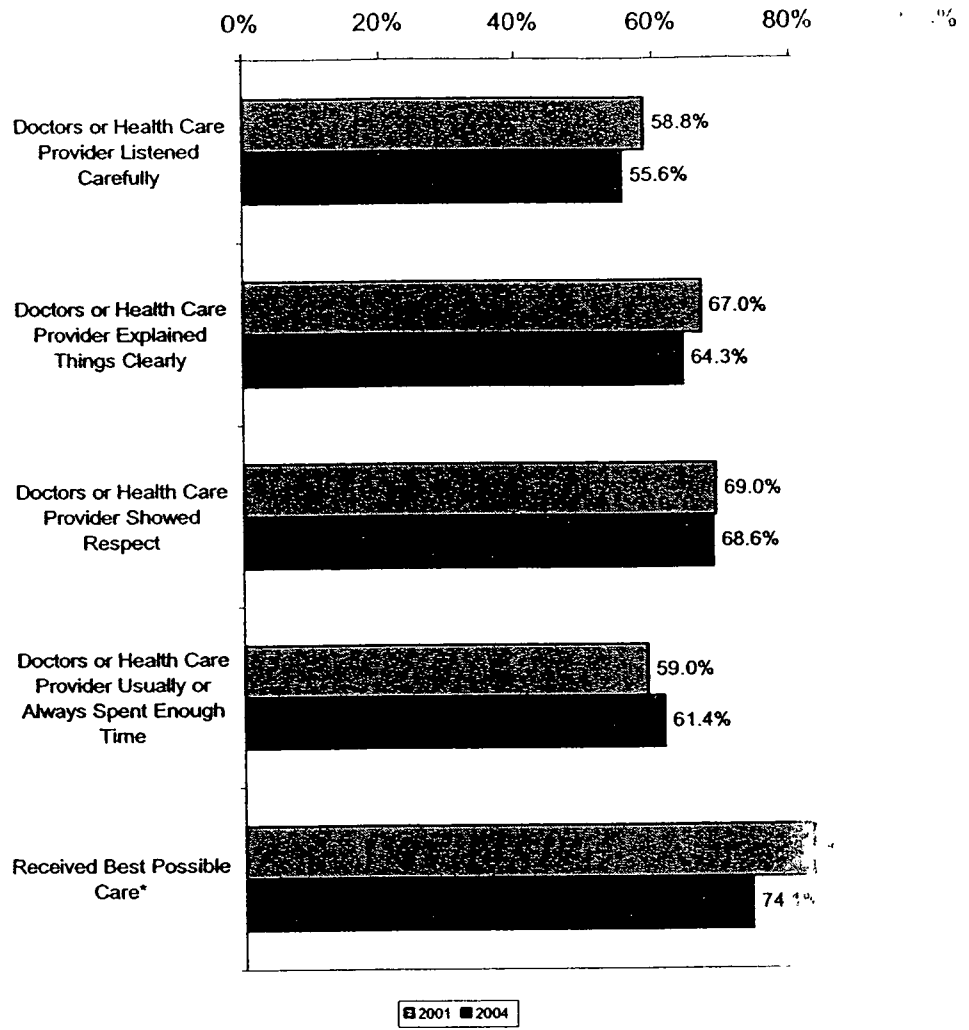
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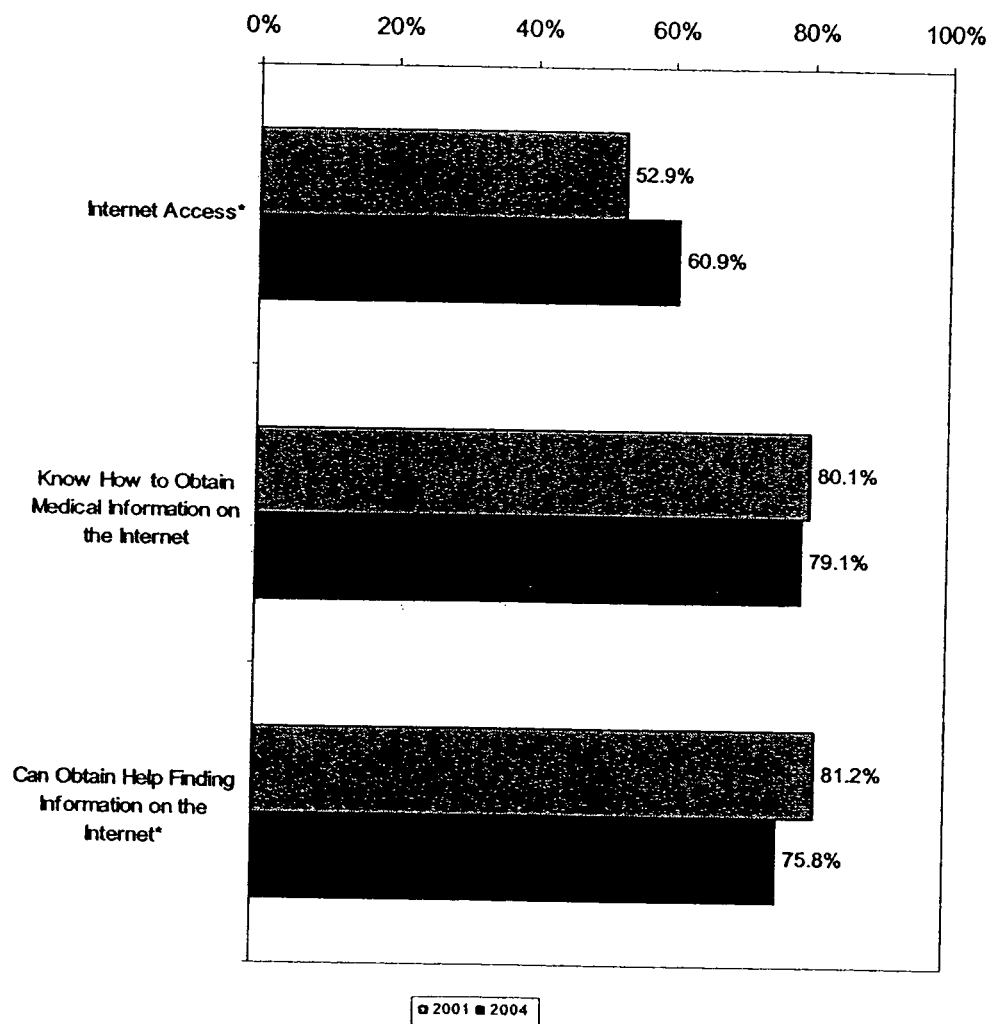
### Lee County, 2001 & 2004



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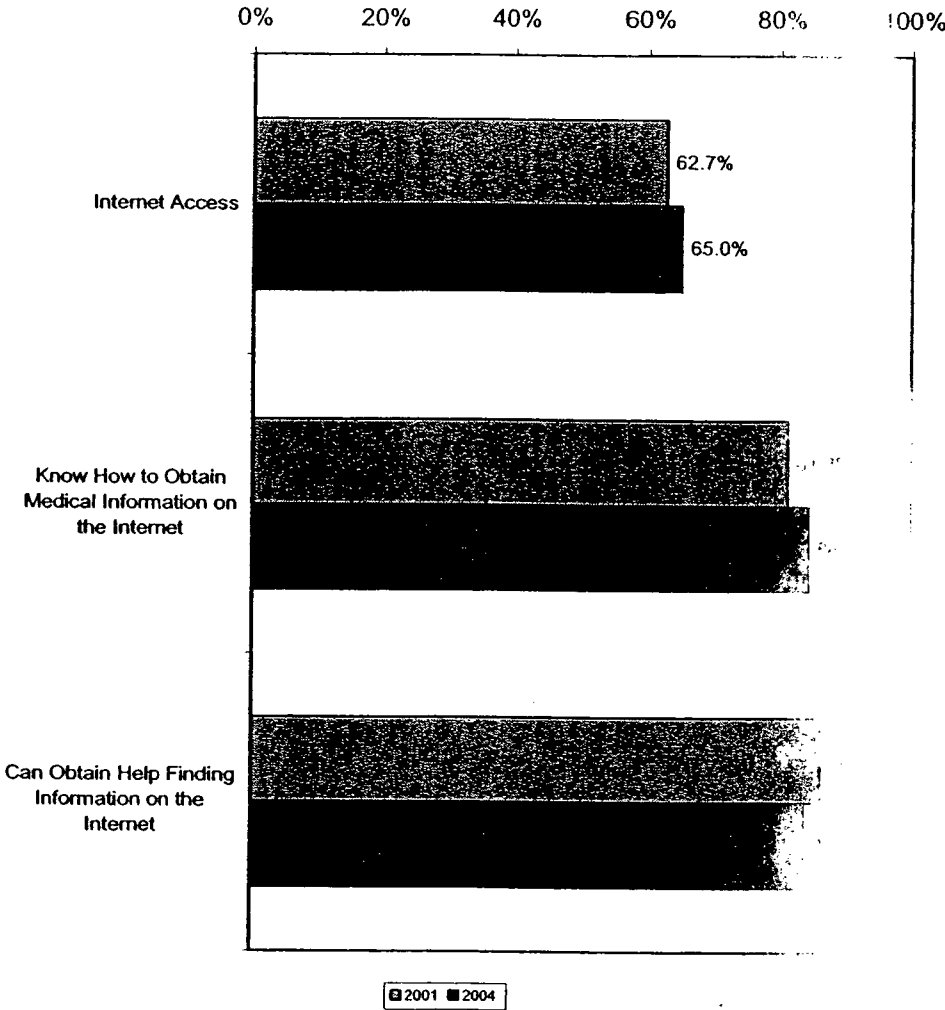
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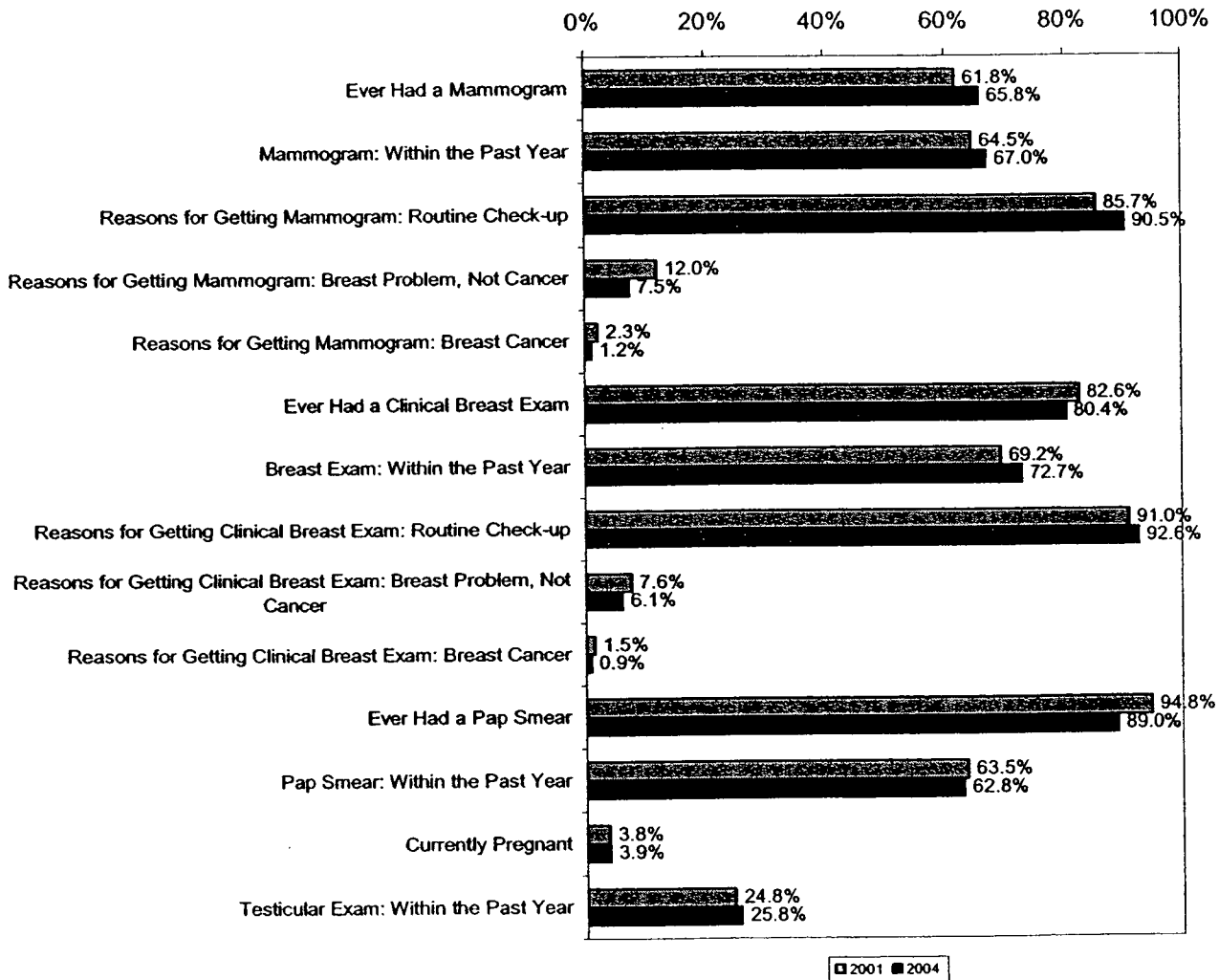
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\* Chi-square test, p < .05

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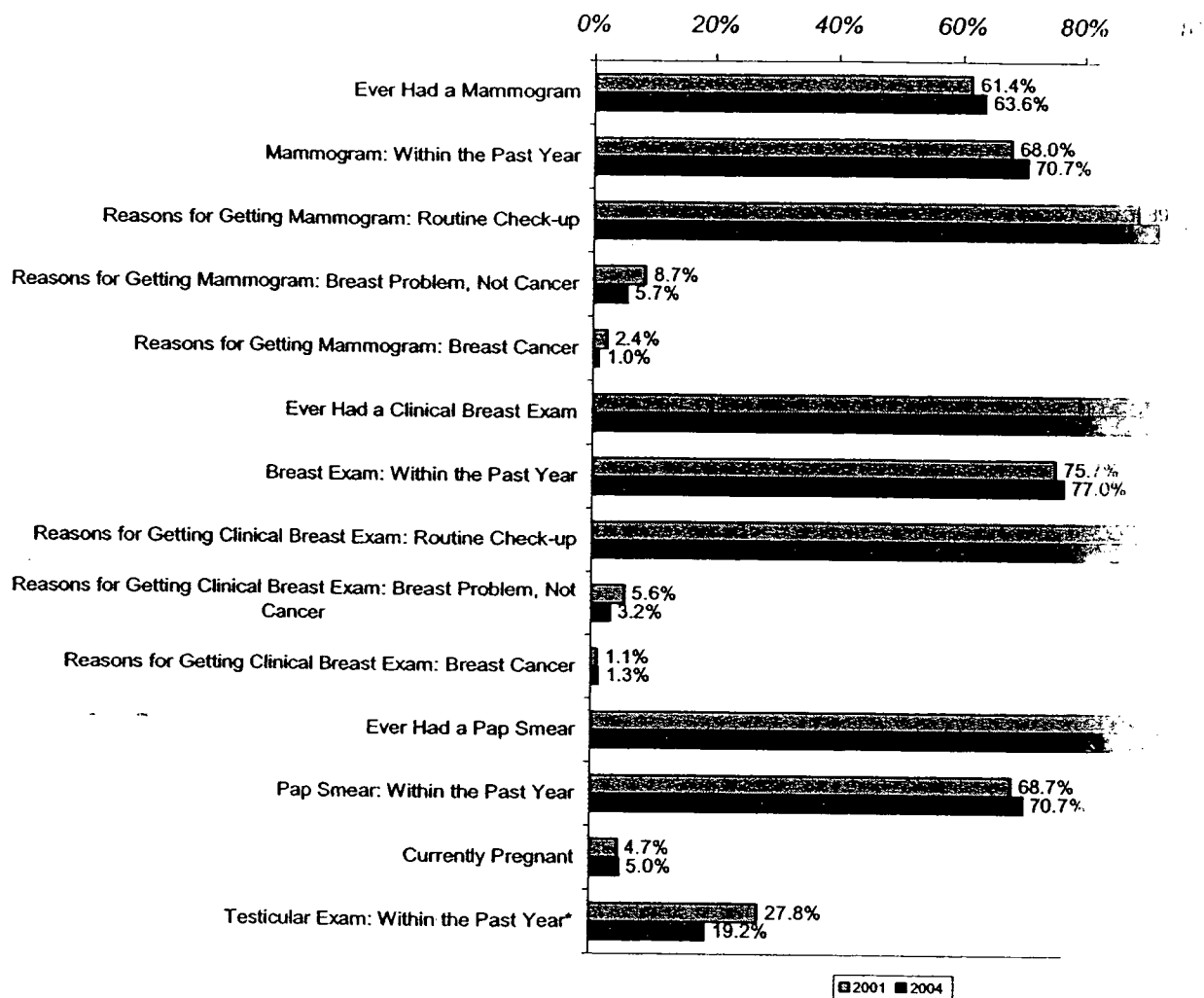
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\* Chi-square test,  $p < .05$



### Lee County, 2001 & 2004



\* Chi-square test,  $p < .05$

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## Introduction

### Background

North Mississippi Medical Center (NMMC) currently serves over 650,000 people in 22 counties through northeast Mississippi and northwest Alabama. This area is characterized by both a high prevalence of health problems such as heart disease, obesity, and poor utilization of prenatal care and a high prevalence of social problems such as poverty. These issues need to be considered when developing health programs. NMHS can benefit from a community health assessment that will assist in the planning and implementation of strategies to improve the health status of the residents within the context of changes in health care financing.

Health status refers to an individual's overall quality of physical, psychological, and social well-being. A thorough understanding of the health status of the general population is vital to developing intervention strategies that can prevent disease and trauma. This information is especially important as the emphasis of the health care industry continues to shift from the treatment of illness to prevention and early detection of disease. Although the Behavioral Risk Factor Surveillance System (BRFSS) provides population estimates for many issues related to health and risky behaviors, the core survey does not include measures for many of the issues that impact the health of Mississippians. Specifically, health decision-makers need more information on Mississippians' health status, use of clinical prevention screenings, access to health care, satisfaction with health care, and community involvement.

A community health assessment is necessary as a planning tool for developing strategies to support a changing system of health care financing. The results of the assessment can also be used as an evaluation tool to determine if certain health strategies are effectively meeting Healthy People 2010 Objectives. This assessment informs researchers, practitioners, and policy makers about health behaviors of the population and beliefs that guide people's actions. This research also provides an assessment of Mississippians' health status, utilization of health services, health beliefs, and satisfaction with health care services. Finally, the survey serves as a yardstick by which future results of health programs and prevention strategies may be evaluated.

### Survey Design

The 2004 North Mississippi Medical Center Community Health Assessment (CHA) was developed to elicit information on the demographics, risk factors, health status, health care access, satisfaction with health care, health communication, community involvement, and sex-specific health issues of adults who reside in Mississippi. (The survey instrument is presented in Appendix A.) Specifically, many items were replicated from the National Health Interview Survey (NHIS) and the BRFSS. (See Appendix B for detailed descriptions of these data series.) The advantages of this approach are two-fold. First, these are items with established reliability and validity. Second, the use of these items allows researchers to interpret the results of this health assessment within a state-level context.

### Sample

The data collection for the 2004 Lee County Health Study was done via telephone interviews with a simple random sample of adults living in households with telephones in Lee County (Mississippi). The data were collected in June of 2004. Households were selected using random digit dialing procedures (this includes households with unlisted numbers), within a household an adult (18 years old or older) was randomly selected and interviewed using the "next birthday method." Of individuals contacted, 406 (90.4%) completed the interview and 43 (9.6%) refused to participate. The sampling error (binomial questions with 50/50 split) for this data set is no larger than  $\pm 5.0\%$  (95% confidence level). The sample was weighted by race and gender, based upon U.S. Census 2003 estimates, to ensure that it was representative of Lee County.

The data collection for the 2004 North Mississippi Health Study was done via telephone interviews with a simple random sample of adults living in households with telephones in North East Mississippi (Alcorn, Benton, Calhoun, Chickasaw, Choctaw, Clay, Itawamba, Lafayette, Lee, Lowndes, Marshall, Monroe,

Oktober, Pontotoc, Prentiss, Tippah, Tishomingo, Union, and Webster Counties) and North West Alabama (Franklin, Lamar, and Marion Counties). The data were collected in July of 2004 by the Survey Research Unit in the Social Science Research Center at Mississippi State University. Households were selected using a random digit dialing procedures (this includes households with unlisted numbers), within a household an adult (18 years old or older) was randomly selected and interviewed using the "next birthday method." Of the individuals contacted, 804 (85.2%) completed the interview and 140 (14.8%) refused to participate. The sampling error (binomial questions with 50/50 split) for this data set is no larger than  $\pm 3.5\%$  (95% confidence level). The sample was weighted by race and gender, based upon U.S. Census 2003 estimates, to ensure that it was representative of the Northeast Mississippi Catchment Area.

The data collection for the 2004 MSHA was done via telephone interviews with a simple random sample of adults living in households with telephones in Mississippi. The data were collected between May and June of 2004. Households, including those with unlisted numbers, were selected using random digit dialing procedures. Within a household, an adult (18 years old or older) was randomly selected by asking to speak with the adult in the household who would have the next birthday or who had the last birthday (whether to ask for person with next birthday or last birthday was randomly determined). Of individuals contacted, 1,507 (74.6%) completed the interview and 187 (25.4%) refused to participate. The sampling error (binomial questions with 50/50 split) for this data set was no larger than  $\pm 2.5$  percent (95% confidence level). The sample was weighted by race and gender, based upon U.S. Census 2000 estimates for Mississippi, to ensure that it was representative of the state. Sample characteristics (weighted and unweighted) are presented in Table I.1.

Table 1. Sample Characteristics

		Lee County			NMMC Area		
		N=406	Percent	Weighted Percent	N=804	Percent	Weighted Percent
<b>Gender</b>	Males	109	26.8	52.4	226	28.1	52.1
	Females	297	73.2	47.6	578	71.9	47.9
<b>Race and ethnicity</b>	American Indian or Alaskan Native	0	0.0	0.0	0	0.0	0.0
	Asian or Pacific Islander	1	0.2	0.3	2	0.2	0.2
	Black or African American	107	26.4	23.8	164	20.4	23.5
	White	297	73.2	75.6	595	74.0	75.2
	Other Race	0	0.0	0.0	9	1.1	0.8
	Hispanic or Latino	5	1.2	0.7	14	1.7	1.0
<b>Age</b>	18-24 years of age	33	8.1	8.6	63	7.8	8.0
	25-44 years of age	145	35.7	36.7	299	37.2	38.0
	45-64 years of age	138	34.0	34.0	262	32.6	31.9
	65 years of age and older	90	22.2	20.6	180	22.4	22.1
<b>Education</b>	Not a high school graduate	77	19.0	16.8	147	18.3	19.1
	High school graduate	117	28.8	29.6	281	35.0	33.0
	Some college	105	25.9	28.0	211	26.2	27.1
	College graduate	106	26.2	25.6	164	20.4	20.8
<b>Employment Status</b>	Employed for wages	201	49.5	52.0	423	52.6	55.2
	Self-employed	17	4.2	5.2	32	4.0	5.4
	Out of work for more than 1 year	8	2.0	2.4	26	3.2	2.9
	Out of work for less than one year	2	0.5	0.3	12	1.5	1.6
	A homemaker	24	5.9	4.0	43	5.3	3.6
	A student	15	3.7	4.5	27	3.4	3.3
	Retired	90	22.2	21.0	164	20.4	19.4
	Unable to work	47	11.6	10.3	76	9.5	8.5
<b>Income</b>	Less than \$10,000	41	10.8	8.3	108	13.4	12.6
	Between \$10 and \$15,000	31	7.6	7.7	61	7.6	6.5
	Between \$15 and \$20,000	10	2.4	2.5	77	9.6	9.2
	Between \$20 and \$25,000	10	2.7	2.9	58	7.2	7.4
	Between \$25 and \$35,000	27	6.7	9.1	88	10.9	12.4
	Between \$35 and \$50,000	53	13.1	14.6	92	11.4	13.8
	Between \$50 and \$75,000	52	12.8	14.1	67	8.3	8.2
Over \$75,000	40	9.9	10.1	65	8.1	9.6	
<b>Marital Status</b>	Single	89	21.9	25.0	161	20.0	21.5
	Married	227	55.9	55.4	458	57.0	56.8
	A Member of an unmarried couple	4	1.0	1.3	3	0.4	0.2
	Divorced	36	8.9	7.7	78	9.7	9.7
	Widowed	41	10.1	8.2	85	10.6	9.1
	Separated	7	1.7	2.0	17	2.1	2.2
<b>Child in household</b>	Yes	161	39.7	36.8	305	37.9	36.1
	No	244	60.1	62.9	498	61.9	63.7



**Presentation of Results**

The results of this health assessment are grouped into the following categories: 1) Health Status, 2) Health Care, 3) Health Communication, 4) Community Involvement, 5) Health Care Access, 6) Satisfaction with Health Care, 7) Health Communication, 8) Community Involvement, and 9) Sex-specific Health Issues.

The first section provides a brief overview of the Leading Health Indicators. In Table 1, Lee County estimates for the Leading Health Indicators are presented in the first column, estimates for the NMMC catchments area are presented in the second column, estimates from the MSHA are presented in the third column, and the Healthy People 2010 Targets are presented in the last column.

Subsequent sections provide prevalence estimates from the 2004 health assessments for Lee County as well as Healthy People targets for the year 2010. The MSHA estimates are presented for comparison of comparing NMMC and state estimates. In general, the format consists of questions posed to respondents, followed by data in table format that display respondents' answers to the questions. The first row of the table refers to the total sample for the NMMC catchments area; the second two rows refer to the sample for Lee County; and the fifth row refers to the MSHA estimates. Subsequent rows provide estimates for each population. Numbers in the first column refer to the number of respondents in the population who endorsed a particular response; the second column refers to the weighted percentage of respondents who endorsed a particular response; and the final column refers to the number in the state's population projected to endorse a particular response (based on U.S. Census 2000 population estimates). Population projections were calculated by multiplying the percentage of respondents who endorsed a particular response by the population of adults in each area.

Some characteristics of the methodology and subsequent data warrant consideration. First, individuals who reported "don't know," those who refused to answer the question, or those whose response coded (missing or skipped). In addition, all data collection approaches are subject to error and may be incomplete or contain inaccurate information. The data presented in this report were collected through telephone surveys. There are certain limitations to telephone surveys: 1) the methodology excludes the population who do not have a telephone in the home (According to the 2000 Census, 6% of households do not have telephone service.); 2) respondents may not remember essential information; 3) a question may mean different things to different respondents; and 4) some individuals may not answer questions truthfully.

## Chapter 1: Healthy People 2010 Leading Health Indicators

### Leading Health Indicators

The Leading Health Indicators reflect the major public health concerns in the United States and were chosen based on their ability to motivate action, the availability of data to measure their progress, and their relevance as broad public health issues.

The Leading Health Indicators illuminate individual behaviors, physical and social environmental factors, and important health system issues that greatly affect the health of individuals and communities. Underlying each of these indicators is the significant influence of income and education (see Income and Education, page 12).

The process of selecting the Leading Health Indicators mirrored the collaborative and extensive efforts undertaken to develop Healthy People 2010. The process was led by an interagency work group within the U.S. Department of Health and Human Services. Individuals and organizations provided comments at national and regional meetings or via mail and the Internet. A report by the Institute of Medicine, National Academy of Sciences, provided several scientific models on which to support a set of indicators. Focus groups were used to ensure that the indicators are meaningful and motivating to the public.

For each of the Leading Health Indicators, specific objectives derived from Healthy People 2010 will be used to track progress. This small set of measures will provide a snapshot of the health of the nation. Tracking and communicating progress on the Leading Health Indicators through national- and state-level report cards will spotlight achievements and challenges in the next decade. The Leading Health Indicators serve as a link to the 467 objectives in *Healthy People 2010* and can become the basic building blocks for community health initiatives.

The Leading Health Indicators are intended to help everyone more easily understand the importance of health promotion and disease prevention and to encourage wide participation in improving health in the next decade. Developing strategies and action plans to address one or more of these indicators can have a profound effect on increasing the quality of life and the years of healthy life and on eliminating health disparities—creating *healthy people in healthy communities*.

Healthy People 2010: <http://www.healthypeople.gov/LHI/>

## Description of Each of the Leading Health Indicators<sup>1</sup>

### Physical Activity

Regular physical activity throughout life is important for maintaining a healthy body, enhancing psychological well-being, and preventing premature death. Regular physical activity decreases the risk of developing heart disease, lowers the risk of developing diabetes, and is associated with a decreased risk of colorectal cancer. Regular physical activity helps prevent high blood pressure and plays a role in decreasing existing high blood pressure.

### Overweight and Obesity

Overweight and obesity raise the risk of illness from high blood pressure, high cholesterol, type 2 diabetes, heart disease and stroke, gallbladder disease, arthritis, sleep disturbances and problems with fertility and endometrial, breast, prostate, and colon cancers. Obese individuals may also suffer from social isolation, discrimination, and lowered self-esteem.

### Tobacco Use

Cigarette smoking is the single most preventable cause of disease and death in the United States. Smoking results in more deaths each year in the United States than AIDS, alcohol, cocaine, heroin, hepatitis C, homicide, motor vehicle crashes, and fires—combined. Smoking is a major risk factor for heart disease, lung cancer, and chronic lung diseases. Smoking during pregnancy can result in miscarriages, preterm delivery, and sudden infant death syndrome. Environmental tobacco smoke (ETS) increases the risk of asthma and significant lung conditions, especially asthma and bronchitis in children. ETS is responsible for an estimated 3,000 lung cancer deaths each year among adult nonsmokers.

### Substance Abuse

Alcohol and illicit drug use are associated with many of this country's most serious problems, including child and spousal abuse; sexually transmitted diseases including human immunodeficiency virus (HIV) infection; teen pregnancy; school failure; motor vehicle crashes; rising health care costs; low worker productivity; and homelessness. Alcohol and illicit drug use also can result in substantial disruptions in family and personal life.

### Responsible Sexual Behavior

Unintended pregnancies and sexually transmitted diseases (STDs), including infection with the human immunodeficiency virus (HIV) and AIDS, can result from unprotected sexual behaviors. Abstinence is the only method of completely preventing pregnancy and STDs. Condoms, if used correctly and consistently, can help prevent both unintended pregnancy and STDs.

### Mental Health

*Mental health* is a state of successful mental functioning, resulting in productive activities, fulfilling relationships, and the ability to adapt to change and cope with adversity. Mental health is a key component of personal well-being, family and interpersonal relationships, and one's contribution to society. Approximately 25 percent of the U.S. population is affected by *mental illness* during a given year; no one is immune to mental illnesses, *depression* is the most common disorder. More than 19 million adults in the United States experience depression. Major depression is the leading cause of disability and is the cause of more than 20,000 suicides each year.

<sup>1</sup> Provided by *Healthy People in Communities: A Community Planning Guide Using Healthy People 2010*

## Leading Health Indicators

### **Injury and Violence**

More than 400 Americans die each day due primarily to motor vehicle crashes, firearms, poisonings, suffocation, falls, fires, and drowning. The risk of injury is so great that most persons sustain a significant injury at some time during their lives.

### **Environmental Quality**

An estimated 25 percent of preventable illnesses worldwide can be attributed to poor environmental quality. In the United States, air pollution alone is estimated to be associated with 50,000 premature deaths and an estimated \$40 billion to \$50 billion in health-related costs annually. Two indicators of air quality are ozone (outdoor) and ETS (indoor).

### **Immunization**

Vaccines are among the greatest public health achievements of the 20th century. Immunizations can prevent disability and death from infectious diseases for individuals and can help control the spread of infections within communities. Immunizations against influenza and pneumococcal disease can prevent serious illness and death. Pneumonia and influenza deaths together constitute the 6th leading cause of death in the United States.

### **Access to Health Care**

Strong predictors of access to quality health care include having health insurance, a higher income level, and a regular primary care provider or other source of ongoing health care. Persons with health insurance are more likely to have a specific source of care and to have received appropriate preventive care.

Leading Health Indicators

Table 1.1. Leading Health Indicators for Mississippi<sup>2</sup>

	2004 Lee County	2004 NMMC Area	2004 MSHA	2010 Targets
<b>Physical Activity</b>				
Moderate Physical Activity in Adults	23.0%	24.5%	26.8%	30.0%
<b>Overweight and Obesity</b>				
Obesity in Adults ( <i>BMI greater than or equal to 30.0</i> )	19.9%	27.6%	32.5%	15.0%
<b>Tobacco Use</b>				
Cigarette Smoking by Adults	24.6%	21.6%	22.3%	12.0%
<b>Substance Abuse</b>				
Binge Drinking by Adults	6.0%	9.2%	9.9%	6.0%
<b>Responsible Sexual Behavior<sup>3</sup></b>				
Used a Condom the Last Time They Had Intercourse	DNC	DNC	52.7%	50.0%
<b>Mental Health – Not Assessed<sup>4</sup></b>				
<b>Injury and Violence<sup>5</sup> per 100,000 persons</b>				
Motor Vehicle Deaths 2003	DNC	DNC	30.2 <sup>8</sup>	9.2
Homicides 2002	DNC	DNC	9.0 <sup>8</sup>	3.0
<b>Environmental Quality – Not Assessed</b>				
<b>Immunization (persons aged 65 years and older)</b>				
Flu Shot	77.9%	63.7%	72.0%	90.0%
Pneumonia Vaccination	44.3%	60.8%	53.3%	90.0%
<b>Access to Health Care<sup>6</sup></b>				
Adults with Health Care Coverage	78.4%	82.4%	80.5%	100.0%

<sup>2</sup> The following table is provided as a brief summary of the Healthy People 2010 Leading Health Indicators. More detailed analyses, as well as descriptions of the measurement of these variables are provided in subsequent sections.

<sup>3</sup> Among sexually active unmarried women aged 18-44 years

<sup>4</sup> Although the MSHA does include measures of mental health, it did not include the specific Leading Health Indicator of mental health.

<sup>5</sup> Sources: 2003 National Highway Traffic Safety Administration estimates, <http://www.nhtsa.dot.gov/stsi> and FBI Statistics for 2002

<sup>6</sup> The BRFSS health coverage estimates were not collected in 2003. These are the 2002 estimates.

## Chapter 2: Risk Factors

### Risk Factors, 2001 to 2004

#### North Mississippi Medical Center Catchment Area

	2001	2004	p, 2001 to 2004
Binge Drinkers	13.8%	9.2%	<.05
Drinking and Driving	2.1%	3.5%	ns
Current Smokers	25.0%	21.6%	ns
Quit Attempts	60.6%	68.7%	ns
Physically Inactive	40.9%	39.8%	ns
No Regular Physical Activity	76.2%	76.6%	ns
Overweight	63.8%	67.8%	ns
Obese	26.8%	27.6%	ns
Trying to lose weight	48.0%	44.5%	ns
Advised to lose weight	26.5%	39.2%	<.05
Children do not wear bicycle helmets	19.4%	14.7%	ns
Does not use a seatbelt most of the time	11.3%	6.4%	ns
Has not checked smoke detectors within the past month	62.6%	67.9%	ns
Persons without health insurance	16.0%	15.2%	ns
Has not visited a doctor for a routine checkup within the past year	27.1%	28.2%	ns

#### Lee County

	2001	2004	2001 to 2004
Binge Drinkers	12.1%	6.0%	.05
Drinking and Driving	1.7%	1.5%	ns
Current Smokers	24.7%	24.6%	ns
Quit Attempts	61.0%	63.3%	ns
Physically Inactive	39.8%	33.3%	ns
No Regular Physical Activity	60.2%	51.0%	ns
Overweight	58.8%	58.1%	ns
Obese	23.8%	19.9%	ns
Trying to lose weight	50.9%	44.1%	ns
Advised to lose weight	26.9%	50.7%	<.05
Children do not wear bicycle helmets	18.8%	24.6%	ns
Does not use a seatbelt most of the time	13.8%	5.2%	<.05
Has not checked smoke detectors within the past month	65.8%	63.7%	ns
Persons without health insurance	17.3%	17.8%	ns
Has not visited a doctor for a routine checkup within the past year	30.0%	24.4%	ns

Measuring health risks through surveillance is the essential underpinning for all efforts by the states to promote health and prevent disease. Surveillance is the tool that provides necessary data to define the disease burden, identify populations at highest risk, determine prevalence of health risks, and guide and evaluate disease prevention efforts at the national, state, and local levels.

Chronic diseases are now our nation's leading killers, unlike the situation a century ago. Chronic diseases, cardiovascular disease and cancer, account for almost two-thirds of all deaths among Americans. The roots of chronic diseases are grounded in a limited number of damaging behaviors practiced by people every day or much of their lives. These behaviors include:

- Lack of physical activity
- Poor nutrition (e.g., high fat, low fiber diet)
- Tobacco use
- Underuse of disease prevention strategies (e.g., high blood pressure, cervical, and colorectal cancer screening)

Reducing the prevalence of these and other behaviors that endanger the health of our citizens demands strategies such as public and provider education, prevention research, and policy and environmental changes that facilitate healthy living. To be effective, however, these strategies must be supported by ongoing surveillance of health risks.

— BRFSS, Centers for Disease Control and Prevention

**Table 2.1. Binge Drinking: 5 or more drinks on at least one occasion during past month.**

How many times during the past month did you have 5 or more drinks on one occasion?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	73	9.2	46 118
NMMC Catchment Area 2001	112	13.8	84 544
<b>Lee County 2004</b>	24	6.0	3 597
Lee County 2001	49	12.1	9 172
Mississippi 2004	149	9.9	204 878
National BRFSS Median	DNC	16.5	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	15	3.9	10 191
NMMC Catchment Area 2001	26	6.2	19 735
<b>Lee County 2004</b>	9	4.7	1 484
Lee County 2001	39	6.2	2 455
Mississippi 2004	26	3.2	34 929
National BRFSS Median	DNC	8.4	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	58	14.1	33 835
NMMC Catchment Area 2001	86	22.0	64 754
<b>Lee County 2004</b>	15	7.2	2 043
Lee County 2001	35	18.1	6 553
Mississippi 2004	123	17.7	173 094
National BRFSS Median	DNC	24.9	DNC

**Table 2-2 Average Number of Drinks When Drinking**

Asked to respondents who had at least one drink in the past 30 days

On the days when you drank, about how many drinks did you drink on average?

	Mean Drinks
<b>Total Sample</b>	
NMMC Catchment Area 2004	3.10
NMMC Catchment Area 2001	DNC
Lee County 2004	2.11
Lee County 2001	DNC
Mississippi 2004	3.46
National BRFSS	DNC
<b>Females</b>	
NMMC Catchment Area 2004	2.55
NMMC Catchment Area 2001	DNC
Lee County 2004	2.33
Lee County 2001	DNC
Mississippi 2004	2.35
National BRFSS	DNC
<b>Males</b>	
NMMC Catchment Area 2004	3.35
NMMC Catchment Area 2001	DNC
Lee County 2004	2.00
Lee County 2001	DNC
Mississippi 2004	4.11
National BRFSS	DNC



**Table 2-3. Drinking and Driving: Driving after having too much to drink, one or more times in past month**  
 asked to respondents who are current drinkers

	Number	Percentage	Population Projection
<b>Total Sample</b>			
NMMC Catchment Area 2004	6	3.5	DNC
NMMC Catchment Area 2001	17	2.1	DNC
Lee County 2004	1	1.5	DNC
Lee County 2001	7	1.7	DNC
Mississippi 2004	20	6.8	DNC
National BRFSS Median	DNC	4.8	DNC
<b>Females</b>			
NMMC Catchment Area 2004	5	8.6	DNC
NMMC Catchment Area 2001	4	0.9	DNC
Lee County 2004	1	3.6	DNC
Lee County 2001	1	0.5	DNC
Mississippi 2004	5	3.8	DNC
National BRFSS Median	DNC	2.7	DNC
<b>Males</b>			
NMMC Catchment Area 2004	2	1.6	DNC
NMMC Catchment Area 2001	14	3.6	DNC
Lee County 2004	0	0.0	DNC
Lee County 2001	1	0.5	DNC
Mississippi 2004	15	8.9	DNC
National BRFSS Median	DNC	6.6	DNC

**Table 2.4. Current Smokers: Smoked at least 100 cigarettes in lifetime and smokes every day or some days**

Have you smoked at least 100 cigarettes in your lifetime? and  
Do you now smoke every day, some days, or not at all?

	Number	Percentage	Population Projection
<b><u>Total Sample</u></b>			
<b>NMMC Catchment Area 2004</b>	174	21.6	108 276
NMMC Catchment Area 2001	203	25.0	DNC
<b>Lee County 2004</b>	99	24.6	14 748
Lee County 2001	100	24.7	DNC
Mississippi 2004	335	22.2	459 423
National BRFSS Median	DNC	23.0	DNC
<b><u>Females</u></b>			
<b>NMMC Catchment Area 2004</b>	83	21.6	56 444
NMMC Catchment Area 2001	87	20.6	DNC
<b>Lee County 2004</b>	37	19.2	6 063
Lee County 2001	50	23.7	DNC
Mississippi 2004	163	20.1	219 400
National BRFSS Median	DNC	20.8	DNC
<b><u>Males</u></b>			
<b>NMMC Catchment Area 2004</b>	90	21.5	51 592
NMMC Catchment Area 2001	116	29.7	DNC
<b>Lee County 2004</b>	63	29.7	8 427
Lee County 2001	49	25.4	DNC
Mississippi 2004	172	24.7	241 548
National BRFSS Median	DNC	25.7	DNC

**Table 2.5. Tried to Quit: Current smoker who has quit smoking for one day or longer in past 12 months**

During the past 12 months, have you quit smoking for 1 day or longer?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
NMMC Catchment Area 2004	119	68.7	DNC <sup>7</sup>
NMMC Catchment Area 2001	123	60.6	DNC
<b>Lee County 2004</b>	63	63.3	DNC
Lee County 2001	61	61.0	DNC
Mississippi 2004	211	62.9	DNC
National BRFSS Median	DNC	51.8	DNC
<b>Females</b>			
NMMC Catchment Area 2004	55	66.3	DNC
NMMC Catchment Area 2001	48	55.2	DNC
<b>Lee County 2004</b>	23	63.9	DNC
Lee County 2001	33	64.7	DNC
Mississippi 2004	107	65.5	DNC
National BRFSS Median	DNC	52.6	DNC
<b>Males</b>			
NMMC Catchment Area 2004	64	71.1	DNC
NMMC Catchment Area 2001	75	64.7	DNC
<b>Lee County 2004</b>	40	63.5	DNC
Lee County 2001	28	56.0	DNC
Mississippi 2004	104	60.5	DNC
National BRFSS Median	DNC	51.3	DNC

<sup>7</sup> Population projections are not possible because the number of smokers in the population is not known

**Table 2.6. Secondhand Smoke: At least one day a week**

During the past 7 days, on how many days were you in the same room with or side in a car with someone who was smoking cigarettes?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	295	37.1	185 975
NMMC Catchment Area 2001	DNC	DNC	DNC
<b>Lee County 2004</b>	153	37.9	22 721
Lee County 2001	DNC	DNC	DNC
Mississippi 2004	538	35.6	736 732
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	146	37.9	99 038
NMMC Catchment Area 2001	DNC	DNC	DNC
<b>Lee County 2004</b>	67	34.9	11 020
Lee County 2001	DNC	DNC	DNC
Mississippi 2004	280	34.6	377 673
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	152	36.3	87 107
NMMC Catchment Area 2001	DNC	DNC	DNC
<b>Lee County 2004</b>	84	39.8	11 293
Lee County 2001	DNC	DNC	DNC
Mississippi 2004	258	36.9	360 856
National BRFSS Median	DNC	DNC	DNC

**Table 2.7: Physically Inactive: No reported activity in past week**

How many days in the past week did you exercise or participate in sports activities for at least 30 minutes?  
(percentage of people who answered 0 days)

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	320	39.8	199 509
NMMC Catchment Area 2001	331	40.9	DNC
<b>Lee County 2004</b>	134	33.3	19 964
Lee County 2001	158	39.8	DNC
Mississippi 2004	568	37.7	780 191
National BRFSS Median	DNC	23.1	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	163	42.6	111 320
NMMC Catchment Area 2001	180	42.8	DNC
<b>Lee County 2004</b>	66	34.4	10 862
Lee County 2001	93	44.5	DNC
Mississippi 2004	340	42.0	458 477
National BRFSS Median	DNC	24.9	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	158	37.7	90 467
NMMC Catchment Area 2001	150	38.7	DNC
<b>Lee County 2004</b>	69	32.5	9 222
Lee County 2001	65	34.8	DNC
Mississippi 2004	228	32.7	319 783
National BRFSS Median	DNC	20.8	DNC

**Table 2-8: Some Physical Activity: Exercised for at least 30 minutes, 3 or more times in past week**

How many days in the past week did you exercise or participate in sports activities for at least 30 minutes?  
(percentage of people who answered 3 or more days)

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	337	41.8	209 535
NMMC Catchment Area 2001	332	41.0	DNC
<b>Lee County 2004</b>	204	50.3	30 155
Lee County 2001	168	42.3	DNC
Mississippi 2004	687	45.6	943 679
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	155	40.6	106 093
NMMC Catchment Area 2001	164	38.9	DNC
<b>Lee County 2004</b>	92	47.9	15 125
Lee County 2001	79	37.8	DNC
Mississippi 2004	337	41.6	454 081
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	181	43.2	103 665
NMMC Catchment Area 2001	168	43.3	DNC
<b>Lee County 2004</b>	112	52.8	14 981
Lee County 2001	89	47.6	DNC
Mississippi 2004	350	50.2	490 921
National BRFSS Median	DNC	DNC	DNC

**Table 2.9. Regular Physical Activity** Exercised for at least 30 minutes, 5 or more times in past week

How many days in the past week did you exercise or participate in sports activities for at least 30 minutes?  
(percentage of people who answered 5 or more days)

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	197	24.4	122 312
NMMC Catchment Area 2001	208	25.7	DNC
<b>Lee County 2004</b>	93	23.0	13 789
Lee County 2001	90	22.7	DNC
Mississippi 2004	406	26.9	556 688
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	85	22.3	58 273
NMMC Catchment Area 2001	88	20.9	DNC
<b>Lee County 2004</b>	46	24.1	7 610
Lee County 2001	39	18.6	DNC
Mississippi 2004	175	21.6	235 773
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	112	26.7	64 071
NMMC Catchment Area 2001	119	30.7	DNC
<b>Lee County 2004</b>	47	22.2	6 299
Lee County 2001	51	27.3	DNC
Mississippi 2004	231	33.0	322 717
National BRFSS Median	DNC	DNC	DNC

**Table 2-10 Healthy Weight: BMI<sup>1</sup> less than or equal to 24.9**

About how much do you weigh without shoes?  Less About how tall are you without shoes?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
NMMC Catchment Area 2004	248	32.2	154 394
NMMC Catchment Area 2001	279	36.2	DNC
<b>Lee County 2004</b>	160	41.9	23 681
Lee County 2001	161	41.2	DNC
Mississippi 2004	436	29.3	606 355
National BRFSS Median	DNC	41.1	DNC
<b>Females</b>			
NMMC Catchment Area 2004	149	41.9	109 491
NMMC Catchment Area 2001	162	41.9	DNC
<b>Lee County 2004</b>	83	48.5	15 315
Lee County 2001	103	52.3	DNC
Mississippi 2004	264	33.1	361 300
National BRFSS Median	DNC	49.3	DNC
<b>Males</b>			
NMMC Catchment Area 2004	99	23.9	57 352
NMMC Catchment Area 2001	117	30.5	DNC
<b>Lee County 2004</b>	77	36.7	10 413
Lee County 2001	58	29.9	DNC
Mississippi 2004	173	25.0	244 483
National BRFSS Median	DNC	32.4	DNC

<sup>1</sup> To determine BMI, weight in pounds is divided by height in inches squared, and then multiplied by 703.



**Table 2.11. Overweight: BMI greater than or equal to 25.0**

About how much do you weigh without shoes? & About how tall are you without shoes?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	522	67.8	325 330
NMMC Catchment Area 2001	492	63.8	DNC
<b>Lee County 2004</b>	221	58.1	32 793
Lee County 2001	230	58.8	DNC
Mississippi 2004	1051	70.7	1 463 116
National BRFSS Median	DNC	59.2	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	207	58.1	151 823
NMMC Catchment Area 2001	225	58.1	DNC
<b>Lee County 2004</b>	88	51.5	16 262
Lee County 2001	94	47.7	DNC
Mississippi 2004	533	66.9	730 241
National BRFSS Median	DNC	50.9	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	316	76.1	182 613
NMMC Catchment Area 2001	267	69.5	DNC
<b>Lee County 2004</b>	133	63.3	17 961
Lee County 2001	136	70.1	DNC
Mississippi 2004	518	75.0	733 448
National BRFSS Median	DNC	67.7	DNC

**Table 2-12: Obese: BMI greater than or equal to 30.0**

About how much do you weigh without shoes? &amp; About how tall are you without shoes

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	213	27.6	132 338
NMMC Catchment Area 2001	207	26.8	DNC
<b>Lee County 2004</b>	76	19.9	11 211
Lee County 2001	93	23.8	DNC
Mississippi 2004	484	32.5	672 578
National BRFSS Median	DNC	22.2	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	102	28.7	74 997
NMMC Catchment Area 2001	100	25.8	DNC
<b>Lee County 2004</b>	36	21.1	6 663
Lee County 2001	46	23.2	DNC
Mississippi 2004	279	35.1	383 131
National BRFSS Median	DNC	21.4	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	110	26.6	63 831
NMMC Catchment Area 2001	107	27.9	DNC
<b>Lee County 2004</b>	40	19.0	5 391
Lee County 2001	47	24.4	DNC
Mississippi 2004	205	29.7	290 445
National BRFSS Median	DNC	23.0	DNC

**Table 2-13. Trying to Lose Weight: Overweight Respondents**

Are you trying to lose weight?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
NMMC Catchment Area 2004	233	44.5	DNC
NMMC Catchment Area 2001	236	48.0	DNC
<b>Lee County 2004</b>	98	44.1	DNC
Lee County 2001	116	50.9	DNC
Mississippi 2004	519	48.4	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
NMMC Catchment Area 2004	118	57.0	DNC
NMMC Catchment Area 2001	129	57.3	DNC
<b>Lee County 2004</b>	50	56.8	DNC
Lee County 2001	56	60.2	DNC
Mississippi 2004	299	54.6	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
NMMC Catchment Area 2004	115	36.4	DNC
NMMC Catchment Area 2001	107	40.1	DNC
<b>Lee County 2004</b>	48	36.1	DNC
Lee County 2001	59	44.0	DNC
Mississippi 2004	220	42.0	DNC
National BRFSS Median	DNC	DNC	DNC

**Table 2.14. Health Care Provider Gave Advice to Lose Weight: Overweight Respondents**

In the past 12 months, has a doctor, nurse, or other health care provider given you advice about losing weight?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	81	39.2	DNC
NMMC Catchment Area 2001	108	26.5	DNC
<b>Lee County 2004</b>	42	50.7	DNC
Lee County 2001	49	26.9	DNC
Mississippi 2004	211	46.4	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	42	40.4	DNC
NMMC Catchment Area 2001	53	26.8	DNC
<b>Lee County 2004</b>	17	41.5	DNC
Lee County 2001	31	37.3	DNC
Mississippi 2004	132	49.6	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	40	38.5	DNC
NMMC Catchment Area 2001	55	26.2	DNC
<b>Lee County 2004</b>	25	59.5	DNC
Lee County 2001	18	18.2	DNC
Mississippi 2004	79	41.9	
National BRFSS Median	DNC	DNC	DNC

**Table 2.15: Bicycle Helmets: Children always or almost always wear**

Asked of parents

During the past year, how often has your child (have your children) worn a bicycle helmet? Would you say always, almost always, sometimes, seldom, or never?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	37	14.7	DNC
NMMC Catchment Area 2001	48	19.4	DNC
<b>Lee County 2004</b>	34	24.6	DNC
Lee County 2001	26	18.8	DNC
Mississippi 2004	115	23.7	DNC
National BRFSS Median	DNC	44.8	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	24	18.0	DNC
NMMC Catchment Area 2001	27	19.3	DNC
<b>Lee County 2004</b>	19	26.1	DNC
Lee County 2001	13	16.3	DNC
Mississippi 2004	73	24.2	DNC
National BRFSS Median	DNC	45.6	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	13	11.0	DNC
NMMC Catchment Area 2001	21	19.4	DNC
<b>Lee County 2004</b>	13	21.6	DNC
Lee County 2001	13	22.4	DNC
Mississippi 2004	43	23.0	DNC
National BRFSS Median	DNC	44.7	DNC

**Table 2-16. Seatbelt Use: Children use most of the time**

During the past year, how often did your child (children) wear a seatbelt or sign a child seat? Would you say never/rarely/sometimes or most of the time?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	236	93.6	DNC
NMMC Catchment Area 2001	219	88.7	DNC
<b>Lee County 2004</b>	122	94.8	DNC
Lee County 2001	119	86.2	DNC
Mississippi 2004	446	91.4	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	121	91.0	DNC
NMMC Catchment Area 2001	121	87.1	DNC
<b>Lee County 2004</b>	66	95.7	DNC
Lee County 2001	72	88.9	DNC
Mississippi 2004	276	91.6	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	114	95.0	DNC
NMMC Catchment Area 2001	98	90.7	DNC
<b>Lee County 2004</b>	55	93.2	DNC
Lee County 2001	48	81.4	DNC
Mississippi 2004	169	91.0	DNC
National BRFSS Median	DNC	DNC	DNC

**Table 2-17 Smoke Detectors Checked within the past month**

When was the last time you or someone else deliberately tested all the smoke detectors in your home?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	258	32.1	160 911
NMMC Catchment Area 2001	286	37.4	DNC
<b>Lee County 2004</b>	147	36.3	21 762
Lee County 2001	135	34.2	DNC
Mississippi 2004	532	35.3	730 523
National BRFSS Median	DNC	33.5	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	120	31.3	81 791
NMMC Catchment Area 2001	150	38.4	DNC
<b>Lee County 2004</b>	64	33.2	10 484
Lee County 2001	88	43.1	DNC
Mississippi 2004	266	32.9	359 117
National BRFSS Median	DNC	30.8	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	138	32.9	78 948
NMMC Catchment Area 2001	137	36.5	DNC
<b>Lee County 2004</b>	83	38.8	11 009
Lee County 2001	56	30.9	DNC
Mississippi 2004	266	38.1	372 591
National BRFSS Median	DNC	35.6	DNC

**Table 2-18: Persons Without Health Insurance**

Do you have any kind of health care coverage, including health insurance, prepaid plans such as HMOs, or governmental plans such as Medicare?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
NMMC Catchment Area 2004	122	15.2	76 194
NMMC Catchment Area 2001	130	16.0	DNC
Lee County 2004	72	17.8	10 671
Lee County 2001	70	17.3	DNC
Mississippi 2004	285	18.9	391 130
National BRFSS Median	DNC	14.1	DNC
<b>Females</b>			
NMMC Catchment Area 2004	61	15.8	41 288
NMMC Catchment Area 2001	70	16.5	DNC
Lee County 2004	32	16.5	5 210
Lee County 2001	38	17.9	DNC
Mississippi 2004	163	20.2	220 491
National BRFSS Median	DNC	12.6	DNC
<b>Males</b>			
NMMC Catchment Area 2004	60	14.3	34 315
NMMC Catchment Area 2001	60	15.5	DNC
Lee County 2004	40	18.9	5 363
Lee County 2001	32	16.6	DNC
Mississippi 2004	122	17.5	171 138
National BRFSS Median	DNC	16.1	DNC



**Table 2-19 Routine Check-up: Within the Past Year**

About how long has it been since you last visited a doctor for a routine check-up?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	577	71.8	359 918
NMMC Catchment Area 2001	578	72.9	DNC
<b>Lee County 2004</b>	306	75.6	45 323
Lee County 2001	275	70.0	DNC
Mississippi 2004	1104	73.2	1 514 853
National BRFSS Median	DNC	72.2	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	304	79.0	206 438
NMMC Catchment Area 2001	327	79.0	DNC
<b>Lee County 2004</b>	159	82.8	26 146
Lee County 2001	161	77.4	DNC
Mississippi 2004	629	77.6	849 219
National BRFSS Median	DNC	80.0	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	273	65.2	156 457
NMMC Catchment Area 2001	250	66.1	DNC
<b>Lee County 2004</b>	147	69.3	19 663
Lee County 2001	114	61.3	DNC
Mississippi 2004	475	68.1	665 970
National BRFSS Median	DNC	63.4	DNC

## Chapter 3: Clinical Prevention Screenings

### Clinical Prevention Screenings, 2001 to 2004

#### North Mississippi Medical Center Catchment Area

	2001	2004	<i>p</i> , 2001 to 2004
Blood Pressure Checked Within the Past Year	88.0%	88.2%	ns
Had a Flu Shot in the Past Year	69.9%	63.7%	ns
Had Pneumonia Vaccine	61.1%	60.8%	ns
Eye Exam Within the Past Year	43.6%	41.8%	ns
Stress EKG Within the Past Year	20.1%	21.5%	ns
Blood Test for Glucose or Sugar	44.9%	44.0%	ns
Urine Test for Glucose or Sugar	33.2%	34.7%	ns
Dental Exam	41.1%	44.5%	ns
Blood Stool Test	17.3%	21.0%	ns
Blood Cholesterol Test	69.1%	61.1%	ns
Glaucoma Exam	34.6%	30.5%	ns

#### Lee County

	2001	2004	<i>p</i> , 2001 to 2004
Blood Pressure Checked Within the Past Year	90.5%	90.0%	ns
Had a Flu Shot in the Past Year	67.7%	77.9%	ns
Had Pneumonia Vaccine	58.5%	44.3%	ns
Eye Exam Within the Past Year	45.9%	41.2%	ns
Stress EKG Within the Past Year	19.7%	19.3%	ns
Blood Test for Glucose or Sugar	44.7%	47.5%	ns
Urine Test for Glucose or Sugar	34.3%	40.4%	ns
Dental Exam	46.2%	44.2%	ns
Blood Stool Test	18.7%	18.6%	ns
Blood Cholesterol Test	67.8%	63.5%	ns
Glaucoma Exam	36.7%	32.3%	ns

## Clinical Prevention Screenings

The nation has seen a great deal of change over the past 100 years in the leading causes of death. At the beginning of the 1900s, infectious diseases ran rampant in the United States and worldwide and topped the leading causes of death. A century later, with the control of many infectious agents and the increasing age of the population, chronic disease tops the list. Clinical preventive services have a substantial impact on many of the leading causes of disease and death. People must have access to clinical preventive services that are effective in preventing disease (primary prevention) or in detecting asymptomatic disease or risk factors at early, treatable stages (secondary prevention).

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**Table B1. Blood Pressure Checked Within the Past Year<sup>9</sup>**

About how long has it been since you had your blood pressure taken by a doctor, nurse, or other healthcare provider?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	709	88.2	442 121
NMMC Catchment Area 2001	700	88.0	DNC
<b>Lee County 2004</b>	364	90.0	53 596
Lee County 2001	362	90.5	DNC
Mississippi 2004	1337	88.7	1 835 621
National BRFSS Median	DNC	88.6	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	357	92.5	241 715
NMMC Catchment Area 2001	380	92.2	DNC
<b>Lee County 2004</b>	180	93.7	29 588
Lee County 2001	197	93.0	DNC
Mississippi 2004	739	91.3	996 577
National BRFSS Median	DNC	91.2	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	327	78.1	187 413
NMMC Catchment Area 2001	320	83.5	DNC
<b>Lee County 2004</b>	184	86.8	24 629
Lee County 2001	166	87.8	DNC
Mississippi 2004	598	85.7	838 086
National BRFSS Median	DNC	84.1	DNC

<sup>9</sup> Note that annual screenings are not recommended for all populations. Future analyses should examine at-risk populations.

**Table 3.2: Adults 65+ Who Have Had a Flu Shot Within the Past Year**

During the past 12 months, have you had a flu shot?

	Number	Percentage	Population Projection <sup>10</sup>
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	113	63.7	DNC
NMMC Catchment Area 2001	95	69.9	DNC
<b>Lee County 2004</b>	64	77.9	DNC
Lee County 2001	44	67.7	DNC
Mississippi 2004	263	72.0	247 337
National BRFSS Median	DNC	69.9	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	59	66.3	DNC
NMMC Catchment Area 2001	54	69.2	DNC
<b>Lee County 2004</b>	32	68.1	DNC
Lee County 2001	31	72.1	DNC
Mississippi 2004	136	70.0	145 343
National BRFSS Median	DNC	69.8	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	54	60.7	DNC
NMMC Catchment Area 2001	41	70.7	DNC
<b>Lee County 2004</b>	33	59.2	DNC
Lee County 2001	13	59.1	DNC
Mississippi 2004	127	74.2	100 830
National BRFSS Median	DNC	71.2	DNC

<sup>10</sup> Population projections for 65+ are based on U.S. Census estimates for adults 65 years old and older

**Table 3.3: Adults 65+ Who Have Ever Had a Pneumonia Vaccination**

Have you ever had a pneumonia vaccination?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	108	60.8	DNC
NMMC Catchment Area 2001	82	61.1	DNC
<b>Lee County 2004</b>	37	44.3	DNC
Lee County 2001	38	58.5	DNC
Mississippi 2004	193	53.3	183 098
National BRFSS Median	DNC	64.5	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	51	57.3	DNC
NMMC Catchment Area 2001	45	57.7	DNC
<b>Lee County 2004</b>	21	45.7	DNC
Lee County 2001	29	67.4	DNC
Mississippi 2004	102	53.2	110 464
National BRFSS Median	DNC	65.3	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	57	64.0	DNC
NMMC Catchment Area 2001	37	66.1	DNC
<b>Lee County 2004</b>	15	41.7	DNC
Lee County 2001	9	40.9	DNC
Mississippi 2004	91	53.5	72 704
National BRFSS Median	DNC	62.9	DNC

**Table 3.4. Eye Exam: Within the past year**

Have you had an eye exam in the past 12 months?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	336	41.8	209 535
NMMC Catchment Area 2001	354	43.6	DNC
<b>Lee County 2004</b>	167	41.2	24 700
Lee County 2001	185	45.9	DNC
Mississippi 2004	687	45.6	943 679
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	178	46.2	120 727
NMMC Catchment Area 2001	198	46.7	DNC
<b>Lee County 2004</b>	89	46.1	14 557
Lee County 2001	107	50.2	DNC
Mississippi 2004	366	45.2	493 377
	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	158	37.7	90 467
NMMC Catchment Area 2001	157	40.3	DNC
<b>Lee County 2004</b>	78	36.8	10 442
Lee County 2001	80	41.1	DNC
Mississippi 2004	321	46.0	449 848
National BRFSS Median	DNC	DNC	DNC

**Table 3.5. Stress/EKG: Within the past year**

Have you had a Stress/EKG in the past 12 months?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	173	21.5	107 775
NMMC Catchment Area 2001	163	20.1	DNC
<b>Lee County 2004</b>	78	19.3	11 571
Lee County 2001	80	19.7	DNC
Mississippi 2004	385	25.5	527 715
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	83	21.6	56 444
NMMC Catchment Area 2001	77	18.3	DNC
<b>Lee County 2004</b>	38	19.7	6 221
Lee County 2001	35	16.7	DNC
Mississippi 2004	176	21.8	237 956
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	90	21.4	51 353
NMMC Catchment Area 2001	86	22.1	DNC
<b>Lee County 2004</b>	40	18.9	5 363
Lee County 2001	45	22.9	DNC
Mississippi 2004	208	29.8	291 423
National BRFSS Median	DNC	DNC	DNC

**Table 3-6 Blood Test for Glucose or Sugar: Within the past year**

Have you had a blood test for glucose or sugar in the past 12 months?

	Number	Percentage	Population Projection
<b><u>Total Sample</u></b>			
<b>NMMC Catchment Area 2004</b>	354	44.0	220 563
NMMC Catchment Area 2001	364	44.9	DNC
<b>Lee County 2004</b>	192	47.5	28 447
Lee County 2001	182	44.7	DNC
Mississippi 2004	745	49.5	1 024 388
National BRFSS Median	DNC	DNC	DNC
<b><u>Females</u></b>			
<b>NMMC Catchment Area 2004</b>	179	46.5	121 511
NMMC Catchment Area 2001	195	46.3	DNC
<b>Lee County 2004</b>	94	48.5	15 315
Lee County 2001	107	50.2	DNC
Mississippi 2004	415	51.3	559 961
National BRFSS Median	DNC	DNC	DNC
<b><u>Males</u></b>			
<b>NMMC Catchment Area 2004</b>	175	41.7	100 065
NMMC Catchment Area 2001	169	43.3	DNC
<b>Lee County 2004</b>	99	46.7	13 251
Lee County 2001	75	38.5	DNC
Mississippi 2004	330	47.3	462 561
National BRFSS Median	DNC	DNC	DNC



**Table 3.7. Urine Test for Glucose or Sugar: Within the past year**

Have you had a urine test for glucose or sugar in the past 12 months?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	279	34.7	173 944
NMMC Catchment Area 2001	269	33.2	DNC
<b>Lee County 2004</b>	164	40.4	24 220
Lee County 2001	140	34.3	DNC
Mississippi 2004	618	41.0	848 483
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	143	37.1	96 947
NMMC Catchment Area 2001	131	31.1	DNC
<b>Lee County 2004</b>	78	40.4	12 757
Lee County 2001	87	41.0	DNC
Mississippi 2004	341	42.2	460 630
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	136	32.5	77 989
NMMC Catchment Area 2001	138	35.4	DNC
<b>Lee County 2004</b>	86	40.6	12 820
Lee County 2001	53	26.9	DNC
Mississippi 2004	277	39.7	388 238
National BRFSS Median	DNC	DNC	DNC

**Table 3.8. Dental Exam - Within the past year**

Have you had a dental exam in the past 12 months?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	358	44.5	223 069
NMMC Catchment Area 2001	333	41.1	DNC
<b>Lee County 2004</b>	179	44.2	26 948
Lee County 2001	188	46.2	DNC
Mississippi 2004	701	46.5	962 304
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	181	46.9	122 556
NMMC Catchment Area 2001	187	44.4	DNC
<b>Lee County 2004</b>	86	44.6	14 083
Lee County 2001	115	54.3	DNC
Mississippi 2004	400	49.4	539 221
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	177	42.2	101 265
NMMC Catchment Area 2001	146	37.4	DNC
<b>Lee County 2004</b>	92	43.4	12 314
Lee County 2001	73	37.5	DNC
Mississippi 2004	302	43.2	422 466
National BRFSS Median	DNC	DNC	DNC

**Table 3.9. Blood Stool Test: Have had a blood stool test**

Have you ever had a blood stool test?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	169	21.0	105 269
NMMC Catchment Area 2001	140	17.3	DNC
<b>Lee County 2004</b>	75	18.6	11 151
Lee County 2001	76	18.7	DNC
Mississippi 2004	294	19.5	403 547
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	80	20.8	54 353
NMMC Catchment Area 2001	67	15.9	DNC
<b>Lee County 2004</b>	46	23.8	7 515
Lee County 2001	48	22.4	DNC
Mississippi 2004	147	18.2	198 660
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	88	21.0	50 393
NMMC Catchment Area 2001	73	18.7	DNC
<b>Lee County 2004</b>	30	14.1	4 001
Lee County 2001	28	14.6	DNC
Mississippi 2004	147	21.1	206 343
National BRFSS Median	DNC	DNC	DNC

**Table 3.10: Blood Cholesterol Test: Have had blood cholesterol checked?**

Blood cholesterol is a fatty substance in the blood. Have you ever had your blood cholesterol checked?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	91	61.1	306 281
NMMC Catchment Area 2001	552	69.1	DNC
<b>Lee County 2004</b>	257	63.5	38 069
Lee County 2001	270	67.8	DNC
Mississippi 2004	1005	66.6	1 378 268
National BRFSS Median	DNC	76.9	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	234	60.8	158 879
NMMC Catchment Area 2001	286	69.2	DNC
<b>Lee County 2004</b>	126	65.3	20 620
Lee County 2001	140	67.6	DNC
Mississippi 2004	535	66.1	721 509
National BRFSS Median	DNC	79.0	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	257	61.2	146 859
NMMC Catchment Area 2001	266	68.9	DNC
<b>Lee County 2004</b>	131	61.8	17 535
Lee County 2001	130	68.4	DNC
Mississippi 2004	470	67.3	658 147
National BRFSS Median	DNC	75.3	DNC

**Table 3-11: Glaucoma Exam: Within the past year**

In the past 12 months, have you had a glaucoma test?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	245	30.5	152 890
NMMC Catchment Area 2001	280	34.6	DNC
<b>Lee County 2004</b>	131	32.3	19 364
Lee County 2001	148	36.7	DNC
Mississippi 2004	533	35.4	732 593
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	138	35.8	93 550
NMMC Catchment Area 2001	152	36.1	DNC
<b>Lee County 2004</b>	73	37.8	11 936
Lee County 2001	86	40.8	DNC
Mississippi 2004	288	35.5	387 497
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	107	25.5	61 191
NMMC Catchment Area 2001	128	32.8	DNC
<b>Lee County 2004</b>	58	27.4	7 774
Lee County 2001	62	32.3	DNC
Mississippi 2004	246	35.2	344 231
National BRFSS Median	DNC	DNC	DNC

**Health Status, 2001 to 2004**  
**North Mississippi Medical Center Catchment Area**

	2001	2004	p, 2001 to 2004
Current Health Status: Fair or Poor	25.1%	24.5%	ns
Health Worse than a Year Ago	13.2%	10.1%	ns
At Least One Bad Physical Health Day in Last Month	43.4%	30.3%	<.05
At Least One Bad Mental Health Day in Last Month	30.6%	23.3%	<.05
Limited Activities: At Least One Day Last Month	23.1%	37.5%	<.05
Missed Work: At Least One Day Last Year	29.7%	23.6%	ns
Confined to Bed: At Least a Half a Day in Past Year	34.3%	27.9%	ns
Coronary Heart Disease	5.8%	7.5%	ns
Angina Pectoris	3.9%	6.3%	ns
Heart Attack	4.3%	6.3%	ns
Other Heart Condition or Heart Disease	12.7%	12.1%	ns
Stroke	4.2%	4.8%	ns
Emphysema	2.0%	3.2%	ns
Ulcer	13.2%	10.6%	ns
Cancer	7.4%	7.6%	ns
Diabetes	11.9%	10.0%	ns
Asthma	9.2%	9.0%	ns
Currently Have Asthma	7.2%	6.3%	ns
Fruits and Vegetables: At Least 5 Servings per Day	9.6%	12.5%	ns
Trying to Lose Weight	37.6%	37.1%	ns
Counseled to Lose Weight	18.9%	12.3%	<.05

**Lee County**

	2001	2004	p, 2001 to 2004
Current Health Status: Fair or Poor	18.9%	18.4%	ns
Health Worse than a Year Ago	8.4%	10.3%	ns
At Least One Bad Physical Health Day in Last Month	44.2%	26.2%	<.05
At Least One Bad Mental Health Day in Last Month	34.4%	22.4%	<.05
Limited Activities: At Least One Day Last Month	22.0%	27.6%	ns
Missed Work: At Least One Day Last Year	34.5%	20.7%	<.05
Confined to Bed: At Least a Half a Day in Past Year	39.3%	22.5%	<.05
Coronary Heart Disease	5.7%	8.0%	ns
Angina Pectoris	2.3%	4.8%	ns
Heart Attack	5.7%	3.9%	ns
Other Heart Condition or Heart Disease	11.4%	9.2%	ns
Stroke	2.7%	3.9%	ns
Emphysema	2.0%	2.5%	ns
Ulcer	11.9%	12.9%	ns
Cancer	6.2%	8.2%	ns
Diabetes	9.4%	10.7%	ns
Asthma	10.6%	13.0%	ns
Currently Have Asthma	6.7%	6.4%	ns
Fruits and Vegetables: At Least 5 Servings per Day	11.5%	11.5%	ns
Trying to Lose Weight	39.2%	36.9%	ns
Counseled to Lose Weight	19.2%	13.1%	<.051

## Chapter 4: Health Status

Health status refers to an individual's overall quality of physical, psychological, and social well-being. A thorough understanding of the health status of the general population is vital to developing intervention strategies that can prevent disease and trauma. This information is especially important as the emphasis of the health care industry continues to shift from the treatment of illness to prevention and early detection of disease.

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**Table 4-1: Overall Health Status: Fair or poor**

In general, would you say that your health is: excellent, very good, good, fair, or poor?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	197	24.5	122 813
NMMC Catchment Area 2001	204	25.1	DNC
<b>Lee County 2004</b>	75	18.4	11 031
Lee County 2001	76	18.9	DNC
Mississippi 2004	320	21.2	438 728
National BRFSS Median	DNC	15.0	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	103	26.8	70 032
NMMC Catchment Area 2001	100	23.8	DNC
<b>Lee County 2004</b>	44	22.9	7 231
Lee County 2001	40	19.1	DNC
Mississippi 2004	172	21.1	230 315
National BRFSS Median	DNC	15.5	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	94	22.4	53 752
NMMC Catchment Area 2001	104	26.7	DNC
<b>Lee County 2004</b>	30	14.1	4 001
Lee County 2001	36	18.7	DNC
Mississippi 2004	148	21.3	208 299
National BRFSS Median	DNC	14.1	DNC

**Table 4-2: Health Worse Than a Year Ago**

Compared with 12 months ago, would you say that your health is better, worse, or about the same?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	81	10.1	50 629
NMMC Catchment Area 2001	107	13.2	DNC
<b>Lee County 2004</b>	42	10.3	6 175
Lee County 2001	34	8.4	DNC
Mississippi 2004	145	9.6	198 669
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	42	10.9	28 483
NMMC Catchment Area 2001	51	12.1	DNC
<b>Lee County 2004</b>	23	11.9	3 758
Lee County 2001	22	10.4	DNC
Mississippi 2004	89	11.0	120 070
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	40	9.5	22 797
NMMC Catchment Area 2001	56	14.4	DNC
<b>Lee County 2004</b>	19	9.0	2 554
Lee County 2001	13	6.7	DNC
Mississippi 2004	56	8.0	78 234
National BRFSS Median	DNC	DNC	DNC



**Table 4.3. Health in the Last Month: At least one bad day**

†For how many days during the last month was your health not good?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	244	30.3	151 888
NMMC Catchment Area 2001	341	43.4	DNC
<b>Lee County 2004</b>	106	26.2	15 707
Lee County 2001	173	44.2	DNC
Mississippi 2004	465	30.9	639 467
National BRFSS Median	DNC	33.9	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	128	33.1	86 495
NMMC Catchment Area 2001	190	46.6	DNC
<b>Lee County 2004</b>	55	28.6	9 031
Lee County 2001	92	45.8	DNC
Mississippi 2004	270	33.3	363 483
National BRFSS Median	DNC	37.3	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	118	28.1	67 430
NMMC Catchment Area 2001	151	39.8	DNC
<b>Lee County 2004</b>	50	23.5	6 668
Lee County 2001	80	42.6	DNC
Mississippi 2004	196	28.0	273 820
National BRFSS Median	DNC	30.4	DNC

**Table 4-4. Poor Mental Health: At least one bad day in last month**

for how many of the past 30 days was your mental health not good?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	168	23.3	116 798
NMMC Catchment Area 2001	241	30.6	DNC
<b>Lee County 2004</b>	76	22.4	13 429
Lee County 2001	135	34.4	DNC
Mississippi 2004	261	17.2	355 949
National BRFSS Median	DNC	34.2	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	91	23.5	61 409
NMMC Catchment Area 2001	123	35.7	DNC
<b>Lee County 2004</b>	45	23.2	7 326
Lee County 2001	80	44.0	DNC
Mississippi 2004	172	21.4	233 590
National BRFSS Median	DNC	38.8	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	79	18.9	45 353
NMMC Catchment Area 2001	57	25.3	DNC
<b>Lee County 2004</b>	31	14.7	4 171
Lee County 2001	31	23.4	DNC
Mississippi 2004	88	12.5	122 241
National BRFSS Median	DNC	28.7	DNC

**Table 4.5. Sad, Blue, or Depressed: For two weeks in a row**

During the past 12 months, was there ever a time when you felt sad, blue, or depressed for 2 weeks or more in a row?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	158	19.6	98 251
NMMC Catchment Area 2001 <sup>11</sup>			
<b>Lee County 2004</b>	61	15.2	9 113
Lee County 2001			
Mississippi 2004	259	17.2	355 949
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	86	22.3	58 273
NMMC Catchment Area 2001			
<b>Lee County 2004</b>	46	23.7	7 484
Lee County 2001			
Mississippi 2004	176	21.8	237 956
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	72	17.2	41 274
NMMC Catchment Area 2001			
<b>Lee County 2004</b>	16	7.5	2 128
Lee County 2001			
Mississippi 2004	83	11.9	116 374
National BRFSS Median	DNC	DNC	DNC

<sup>11</sup> This question was not asked in 2001.

**Table 4.6: Received Treatment for Psychological Problems or Emotional Difficulties**

Have you received treatment for psychological problems or emotional difficulties at a mental health clinic or from a mental health professional in the past 12 months?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	46	5.7	28 573
NMMC Catchment Area 2001 <sup>12</sup>			
<b>Lee County 2004</b>	19	4.7	2 818
Lee County 2001			
Mississippi 2004	82	5.4	111 751
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	26	6.8	17 769
NMMC Catchment Area 2001			
<b>Lee County 2004</b>	12	6.2	1 958
Lee County 2001			
Mississippi 2004	62	7.7	84 049
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	20	4.8	11 518
NMMC Catchment Area 2001			
<b>Lee County 2004</b>	7	3.3	936
Lee County 2001			
Mississippi 2004	20	2.8	27 382
National BRFSS Median	DNC	DNC	DNC

<sup>12</sup> This question was not asked in 2001.

**Table 4-7. Limited Activities: At least one limited day in last month**

During the past 30 days, for about how many days did poor health keep you from doing your usual activities?

	Number	Percentage	Population Projection
<b><u>Total Sample</u></b>			
<b>NMMC Catchment Area 2004</b>	128	37.5	187 890
NMMC Catchment Area 2001	186	23.1	DNC
<b>Lee County 2004</b>	43	27.6	138 353
Lee County 2001	88	22.0	DNC
Mississippi 2004	211	14.0	289 726
National BRFSS Median	DNC	19.4	DNC
<b><u>Females</u></b>			
<b>NMMC Catchment Area 2004</b>	58	32.9	85 972
NMMC Catchment Area 2001	186	23.1	DNC
<b>Lee County 2004</b>	30	37.0	11 683
Lee County 2001	49	23.4	DNC
Mississippi 2004	119	14.8	161 548
National BRFSS Median	DNC	21.5	DNC
<b><u>Males</u></b>			
<b>NMMC Catchment Area 2004</b>	69	42.4	101 745
NMMC Catchment Area 2001	83	21.6	DNC
<b>Lee County 2004</b>	14	18.2	5 164
Lee County 2001	37	19.6	DNC
Mississippi 2004	92	13.3	130 065
National BRFSS Median	DNC	17.1	DNC

**Table 4.8. Missed Work. At least one day in past year.**

Excluding military leave, during the past 12 months, about how many days did you miss work because of illness or injury?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	190	23.6	118 302
NMMC Catchment Area 2001	239	29.7	DNC
<b>Lee County 2004</b>	84	20.7	12 410
Lee County 2001	138	34.5	DNC
Mississippi 2004	363	24.0	496 673
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	91	23.6	61 670
NMMC Catchment Area 2001	136	32.2	DNC
<b>Lee County 2004</b>	42	21.6	6 821
Lee County 2001	76	36.2	DNC
Mississippi 2004	201	24.9	371 794
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	100	23.8	57 112
NMMC Catchment Area 2001	104	27.3	DNC
<b>Lee County 2004</b>	43	20.3	5 760
Lee County 2001	62	32.6	DNC
Mississippi 2004	162	23.1	225 902
National BRFSS Median	DNC	DNC	DNC

**Table 4.9 Confined to Bed: At least a half a day in past year**

Excluding maternity leave, did you (in the past 12 months) for any days (due to illness or injury) keep you in bed more than half a day?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	224	27.9	139 857
NMMC Catchment Area 2001	271	34.3	DNC
<b>Lee County 2004</b>	91	22.5	13 489
Lee County 2001	157	39.3	DNC
Mississippi 2004	422	28.1	581 521
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	121	31.0	81 007
NMMC Catchment Area 2001	144	35.4	DNC
<b>Lee County 2004</b>	53	27.2	8 589
Lee County 2001	83	40.1	DNC
Mississippi 2004	259	31.9	348 202
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	108	25.8	61 911
NMMC Catchment Area 2001	126	33.1	DNC
<b>Lee County 2004</b>	41	19.2	5 448
Lee County 2001	73	38.2	DNC
Mississippi 2004	163	23.5	229 814
National BRFSS Median	DNC	DNC	DNC

**Table 4-10. High Blood Pressure: Have been informed by health care provider that condition exists**

Have you ever been told that you have high blood pressure?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	297	36.9	184 972
NMMC Catchment Area 2001 <sup>13</sup>			
<b>Lee County 2004</b>	149	36.9	22 122
Lee County 2001			
Mississippi 2004	581	38.6	798 816
National BRFSS Median	DNC	25.6	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	135	35.1	91 721
NMMC Catchment Area 2001			
<b>Lee County 2004</b>	73	37.8	11 936
Lee County 2001			
Mississippi 2004	299	36.9	402 779
National BRFSS Median	DNC	26.2	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	162	38.7	92 866
NMMC Catchment Area 2001			
<b>Lee County 2004</b>	77	36.3	10 300
Lee County 2001			
Mississippi 2004	283	40.5	396 062
National BRFSS Median	DNC	24.9	DNC

<sup>13</sup> This question was not asked in 2001.



**Table 4-11: High Blood Pressure is Under Control**

Is your high blood pressure under control?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	277	93.3	DNC
NMMC Catchment Area 2001 <sup>14</sup>			
<b>Lee County 2004</b>	143	95.9	DNC
Lee County 2001			
Mississippi 2004	538	92.6	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	125	91.9	DNC
NMMC Catchment Area 2001			
<b>Lee County 2004</b>	68	93.2	DNC
Lee County 2001			
Mississippi 2004	277	92.9	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	153	93.9	DNC
NMMC Catchment Area 2001			
<b>Lee County 2004</b>	75	97.4	DNC
Lee County 2001			
Mississippi 2004	261	92.3	DNC
National BRFSS Median	DNC	DNC	DNC

<sup>14</sup> This question was not asked in 2001.

**Table 4-12. Coronary Heart Disease: Have been informed by health care provider that condition exists**

Have you ever been told you have coronary heart disease?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	60	7.5	37 956
NMMC Catchment Area 2001	47	5.8	DNC
<b>Lee County 2004</b>	33	8.0	4 796
Lee County 2001	23	5.7	DNC
Mississippi 2004	111	7.4	153 141
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	17	4.4	11 498
NMMC Catchment Area 2001	21	5.0	DNC
<b>Lee County 2004</b>	12	6.2	1 958
Lee County 2001	8	3.8	DNC
Mississippi 2004	37	4.6	50 211
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	44	10.5	25 196
NMMC Catchment Area 2001	26	6.7	DNC
<b>Lee County 2004</b>	20	9.4	2 667
Lee County 2001	15	7.8	DNC
Mississippi 2004	74	10.6	103 661
National BRFSS Median	DNC	DNC	DNC

**Table 4-13 Angina Pectoris: Have been informed by health care provider that condition exists**

Have you ever been told you have angina, also called angina pectoris?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	27	6.3	31 581
NMMC Catchment Area 2001	32	3.9	DNC
<b>Lee County 2004</b>	19	4.8	2 878
Lee County 2001	9	2.3	DNC
Mississippi 2004	62	4.1	84 848
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	11	2.9	7 578
NMMC Catchment Area 2001	20	4.8	DNC
<b>Lee County 2004</b>	10	5.2	1 642
Lee County 2001	4	1.9	DNC
Mississippi 2004	23	2.8	30 563
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	15	3.6	8 639
NMMC Catchment Area 2001	12	3.1	DNC
<b>Lee County 2004</b>	9	4.2	1 192
Lee County 2001	5	2.6	DNC
Mississippi 2004	39	5.5	53 786
National BRFSS Median	DNC	DNC	DNC

**Table 4-14 Heart Attack: Have been informed by health care provider that condition exists**

Have you ever been told that you have had a heart attack?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	51	6.3	31 581
NMMC Catchment Area 2001	35	4.3	DNC
<b>Lee County 2004</b>	16	3.9	2 338
Lee County 2001	23	5.7	DNC
Mississippi 2004	112	7.4	153 141
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	15	3.9	10 191
NMMC Catchment Area 2001	13	3.1	DNC
<b>Lee County 2004</b>	8	4.1	1 295
Lee County 2001	6	2.8	DNC
Mississippi 2004	26	3.2	34 929
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	36	8.6	20 637
NMMC Catchment Area 2001	21	5.4	DNC
<b>Lee County 2004</b>	7	3.3	936
Lee County 2001	17	8.8	DNC
Mississippi 2004	86	12.3	120 285
National BRFSS Median	DNC	DNC	DNC

**Table 4-15: Other Heart Condition or Heart Disease - Have been informed by health care provider that condition exists**

Have you ever been told that you have any other kind of heart condition or heart disease?

	Number	Percentage	Population Projection
<b><u>Total Sample</u></b>			
<b>NMMC Catchment Area 2004</b>	97	12.1	60 655
NMMC Catchment Area 2001	103	12.7	DNC
<b>Lee County 2004</b>	37	9.2	5 515
Lee County 2001	46	11.4	DNC
Mississippi 2004	184	12.2	252 475
National BRFSS Median	DNC	DNC	DNC
<b><u>Females</u></b>			
<b>NMMC Catchment Area 2004</b>	46	11.9	31 096
NMMC Catchment Area 2001	57	13.5	DNC
<b>Lee County 2004</b>	21	10.9	3 442
Lee County 2001	26	12.3	DNC
Mississippi 2004	103	12.7	138 626
National BRFSS Median	DNC	DNC	DNC
<b><u>Males</u></b>			
<b>NMMC Catchment Area 2004</b>	51	12.2	29 276
NMMC Catchment Area 2001	46	11.8	DNC
<b>Lee County 2004</b>	17	8.0	2 270
Lee County 2001	20	10.4	DNC
Mississippi 2004	81	11.7	114 418
National BRFSS Median	DNC	DNC	DNC

**Table 4-16: Stroke. Have been informed by health care provider that condition exists**

Have you ever been told that you have had a stroke?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	39	4.8	24 061
NMMC Catchment Area 2001	34	4.2	DNC
<b>Lee County 2004</b>	16	3.9	2 338
Lee County 2001	11	2.7	DNC
Mississippi 2004	72	4.8	99 335
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	20	5.2	13 588
NMMC Catchment Area 2001	17	4.0	DNC
<b>Lee County 2004</b>	8	4.1	1 295
Lee County 2001	3	1.4	DNC
Mississippi 2004	37	4.6	50 211
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	19	4.5	10 798
NMMC Catchment Area 2001	18	4.6	DNC
<b>Lee County 2004</b>	7	3.3	936
Lee County 2001	5	2.6	DNC
Mississippi 2004	35	5.0	48 897
National BRFSS Median	DNC	DNC	DNC

**Table 4-17: Emphysema: Have been informed by health care provider that condition exists**

Have you ever been told that you have emphysema?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	26	3.2	16 041
NMMC Catchment Area 2001	16	2.0	DNC
<b>Lee County 2004</b>	10	2.5	1 499
Lee County 2001	8	2.0	DNC
Mississippi 2004	47	3.1	64 154
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	11	2.8	7 317
NMMC Catchment Area 2001	10	2.4	DNC
<b>Lee County 2004</b>	5	2.6	821
Lee County 2001	2	0.9	DNC
Mississippi 2004	20	2.4	26 197
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	15	3.9	8 639
NMMC Catchment Area 2001	6	1.5	DNC
<b>Lee County 2004</b>	6	2.8	794
Lee County 2001	5	2.6	DNC
Mississippi 2004	28	3.9	38 139
National BRFSS Median	DNC	DNC	DNC

**Table 4-18: Ulcer: Have been informed by health care provider that condition exists**

Have you ever been told that you have an ulcer?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	85	10.6	53 136
NMMC Catchment Area 2001	107	13.2	DNC
<b>Lee County 2004</b>	52	12.9	7 734
Lee County 2001	48	11.9	DNC
Mississippi 2004	183	12.2	252 475
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	38	9.8	25 609
NMMC Catchment Area 2001	52	12.4	DNC
<b>Lee County 2004</b>	25	12.9	4 073
Lee County 2001	29	13.7	DNC
Mississippi 2004	90	11.2	122 253
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	48	11.4	27 356
NMMC Catchment Area 2001	55	14.1	DNC
<b>Lee County 2004</b>	28	13.2	3 745
Lee County 2001	18	9.3	DNC
Mississippi 2004	93	13.3	130 065
National BRFSS Median	DNC	DNC	DNC



**Table 4.19. Cancer: Have been informed by health care provider that condition exists**

Have you ever been told that you have cancer or a malignancy of any kind?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	61	7.6	38 097
NMMC Catchment Area 2001	60	7.4	DNC
<b>Lee County 2004</b>	33	8.2	4 916
Lee County 2001	25	6.2	DNC
Mississippi 2004	147	9.8	202 808
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	30	7.8	20 382
NMMC Catchment Area 2001	29	6.9	DNC
<b>Lee County 2004</b>	23	11.9	3 758
Lee County 2001	15	7.1	DNC
Mississippi 2004	77	9.5	103 696
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	31	7.4	17 757
NMMC Catchment Area 2001	31	7.9	DNC
<b>Lee County 2004</b>	10	4.7	1 334
Lee County 2001	10	5.2	DNC
Mississippi 2004	70	10.0	977 93
National BRFSS Median	DNC	DNC	DNC

**Table 4-20: Diabetes: Have been informed by health care provider that condition exists**

Have you ever been told you have diabetes?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	80	10.0	50 128
NMMC Catchment Area 2001	97	11.9	DNC
<b>Lee County 2004</b>	43	10.7	6 415
Lee County 2001	38	9.4	DNC
Mississippi 2004	194	12.9	266 962
National BRFSS Median	DNC	7.8	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	41	10.6	27 699
NMMC Catchment Area 2001	45	10.7	DNC
<b>Lee County 2004</b>	20	10.4	3 284
Lee County 2001	23	11.0	DNC
Mississippi 2004	105	13.0	141 900
National BRFSS Median	DNC	8.4	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	40	9.5	22 797
NMMC Catchment Area 2001	52	13.3	DNC
<b>Lee County 2004</b>	23	10.8	3 064
Lee County 2001	15	7.8	DNC
Mississippi 2004	89	12.8	125 175
National BRFSS Median	DNC	7.3	DNC

**Table 4.21. Diabetes Management: Have taken a class in how to manage diabetes**

Asked to respondents who have been told they have diabetes

Have you ever taken a course or a class in how to manage diabetes yourself?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	42	52.1	DNC
NMMC Catchment Area 2001	DNC	DNC	DNC
<b>Lee County 2004</b>	29	65.8	DNC
Lee County 2001	DNC	DNC	DNC
Mississippi 2004	136	69.9	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	21	52.5	DNC
NMMC Catchment Area 2001	DNC	DNC	DNC
<b>Lee County 2004</b>	11	55.0	DNC
Lee County 2001	DNC	DNC	DNC
Mississippi 2004	68	64.9	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	21	52.5	DNC
NMMC Catchment Area 2001	DNC	DNC	DNC
<b>Lee County 2004</b>	17	73.9	DNC
Lee County 2001	DNC	DNC	DNC
Mississippi 2004	68	75.9	DNC
National BRFSS Median	DNC	DNC	DNC

**Table 4-22 Asthma: Have been informed by health care provider that condition exists**

Have you ever been told you have asthma:

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	72	9.0	45 115
NMMC Catchment Area 2001	75	9.2	DNC
<b>Lee County 2004</b>	53	13.0	7 794
Lee County 2001	43	10.6	DNC
Mississippi 2004	149	9.9	204 878
National BRFSS Median	DNC	11.7	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	48	12.5	32 664
NMMC Catchment Area 2001	39	9.2	DNC
<b>Lee County 2004</b>	20	10.9	3 442
Lee County 2001	19	9.0	DNC
Mississippi 2004	97	11.9	129 893
National BRFSS Median	DNC	13.2	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	24	5.7	13 678
NMMC Catchment Area 2001	36	9.2	DNC
<b>Lee County 2004</b>	31	14.6	4 413
Lee County 2001	24	12.4	DNC
Mississippi 2004	53	7.5	73 345
National BRFSS Median	DNC	10.0	DNC

**Table 4-23: Currently Have Asthma**

Do you still have asthma?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	51	6.3	DNC
NMMC Catchment Area 2001	58	7.2	DNC
<b>Lee County 2004</b>	26	6.4	DNC
Lee County 2001	27	6.7	DNC
Mississippi 2004	99	6.6	DNC
National BRFSS Median	DNC	7.6	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	36	9.4	DNC
NMMC Catchment Area 2001	30	7.1	DNC
<b>Lee County 2004</b>	13	6.7	DNC
Lee County 2001	16	7.6	DNC
Mississippi 2004	69	8.5	DNC
National BRFSS Median	DNC	9.5	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	15	3.6	DNC
NMMC Catchment Area 2001	27	6.9	DNC
<b>Lee County 2004</b>	12	5.7	DNC
Lee County 2001	11	5.7	DNC
Mississippi 2004	30	4.3	DNC
National BRFSS Median	DNC	5.6	DNC

**Table 4-24 Asthma Management: Have taken a class in how to manage asthma**  
 Asked to respondents who have ever been told that they have asthma

Have you ever taken a course or a class in how to manage your asthma yourself?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	23	32.0	DNC
NMMC Catchment Area 2001	DNC	DNC	DNC
<b>Lee County 2004</b>	19	35.7	DNC
Lee County 2001	DNC	DNC	DNC
Mississippi 2004	49	32.9	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	12	25.0	DNC
NMMC Catchment Area 2001	DNC	DNC	DNC
<b>Lee County 2004</b>	5	22.7	DNC
Lee County 2001	DNC	DNC	DNC
Mississippi 2004	33	33.8	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	11	45.8	DNC
NMMC Catchment Area 2001	DNC	DNC	DNC
<b>Lee County 2004</b>	14	45.2	DNC
Lee County 2001	DNC	DNC	DNC
Mississippi 2004	16	31.2	DNC
National BRFSS Median	DNC	DNC	DNC

**Table 4.25. Fruits and Vegetables: At least five servings per day**

How many servings of fruits and vegetables do you usually eat per day?

	Number	Percentage	Population Projection
<b><u>Total Sample</u></b>			
<b>NMMC Catchment Area 2004</b>	100	12.5	62 660
NMMC Catchment Area 2001	75	9.6	DNC
<b>Lee County 2004</b>	47	11.5	6 894
Lee County 2001	46	11.5	DNC
Mississippi 2004	119	7.9	163 488
National BRFSS Median	DNC	DNC	DNC
<b><u>Females</u></b>			
<b>NMMC Catchment Area 2004</b>	53	13.8	36 061
NMMC Catchment Area 2001	41	10.0	DNC
<b>Lee County 2004</b>	28	14.5	4 579
Lee County 2001	30	14.4	DNC
Mississippi 2004	65	8.0	87 323
National BRFSS Median	DNC	DNC	DNC
<b><u>Males</u></b>			
<b>NMMC Catchment Area 2004</b>	47	11.2	26 876
NMMC Catchment Area 2001	34	9.1	DNC
<b>Lee County 2004</b>	19	9.0	2 554
Lee County 2001	16	8.5	DNC
Mississippi 2004	54	7.8	76 279
National BRFSS Median	DNC	DNC	DNC

**Table 4.26. Trying to Lose Weight**

Are you trying to lose weight?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
NMMC Catchment Area 2004	299	37.2	186 476
NMMC Catchment Area 2001	305	37.6	DNC
Lee County 2004	149	36.9	22 122
Lee County 2001	157	39.2	DNC
Mississippi 2004	591	39.2	811 233
National BRFSS Median	DNC	38.0	DNC
<b>Females</b>			
NMMC Catchment Area 2004	174	45.2	118 114
NMMC Catchment Area 2001	186	44.3	DNC
Lee County 2004	86	44.8	14 146
Lee County 2001	97	46.6	DNC
Mississippi 2004	358	44.2	482 461
National BRFSS Median	DNC	44.9	DNC
<b>Males</b>			
NMMC Catchment Area 2004	125	29.8	71 510
NMMC Catchment Area 2001	119	30.5	DNC
Lee County 2004	63	29.7	8 427
Lee County 2001	59	30.9	DNC
Mississippi 2004	233	33.4	326 629
National BRFSS Median	DNC	30.6	DNC



**Table 4.27. Counselor to Lose Weight**

In the past twelve months, has a doctor or other health care provider given you advice about your weight?

	Number	Percentage	Population Projection
<b><u>Total Sample</u></b>			
<b>NMMC Catchment Area 2004</b>	99	12.3	DNC
NMMC Catchment Area 2001	120	18.9	DNC
<b>Lee County 2004</b>	53	13.1	DNC
Lee County 2001	61	19.2	DNC
Mississippi 2004	224	14.9	DNC
National BRFSS Median	DNC	11.7	DNC
<b><u>Females</u></b>			
<b>NMMC Catchment Area 2004</b>	55	14.3	DNC
NMMC Catchment Area 2001	64	18.2	DNC
<b>Lee County 2004</b>	24	12.4	DNC
Lee County 2001	41	22.4	DNC
Mississippi 2004	138	17.1	DNC
National BRFSS Median	DNC	12.9	DNC
<b><u>Males</u></b>			
<b>NMMC Catchment Area 2004</b>	44	10.5	DNC
NMMC Catchment Area 2001	56	19.7	DNC
<b>Lee County 2004</b>	29	13.7	DNC
Lee County 2001	20	14.7	DNC
Mississippi 2004	86	12.3	DNC
National BRFSS Median	DNC	10.1	DNC

## Chapter 5: Access to Health Care

### Access to Health Care, 2001 to 2004 North Mississippi Medical Center Catchment Area

	2001	2004	<i>p</i> , 2001 to 2004
Have Seen a Doctor Within the Past Year	78.4%	79.0%	ns
Some Type of Health Care Coverage	84.0%	84.6%	ns
Usual Provider of Routine Care:			
Clinic or Health Center	27.8%	24.3%	
Doctor's Office or HMO	64.7%	68.1%	
Hospital Emergency Room	0.7%	1.1%	
Hospital Outpatient Department	3.2%	1.4%	
Some Other Place	1.5%	3.4%	
No Usual Provider	2.0%	1.6%	
Could Not Afford Health Care	18.0%	16.3%	ns
Could Not Afford Needed Prescription Medicines	13.7%	22.1%	<.05
Could Not Afford Needed Mental Health Care	5.0%	6.2%	ns
Could Not Afford Needed Dental Care	19.1%	19.9%	ns

### Lee County

	2001	2004	<i>p</i> , 2001 to 2004
Have Seen a Doctor Within the Past Year	81.0%	76.6%	ns
Some Type of Health Care Coverage	82.7%	82.0%	ns
Usual Provider of Routine Care:			
Clinic or Health Center	42.0%	30.5%	
Doctor's Office or HMO	50.0%	64.1%	
Hospital Emergency Room	1.3%	1.2%	
Hospital Outpatient Department	2.3%	1.2%	
Some Other Place	1.5%	1.2%	
No Usual Provider	3.0%	1.8%	
Could Not Afford Health Care	19.0%	15.8%	ns
Could Not Afford Needed Prescription Medicines	14.8%	17.8%	ns
Could Not Afford Needed Mental Health Care	3.7%	2.9%	ns
Could Not Afford Needed Dental Care	18.0%	18.6%	ns

## Chapter 5: Access to Health C

Access to quality care is important to eliminate health disparities and increase the quality and years of healthy life for all persons in the United States. Adequate access to health care and related services can increase appropriate patient use of the health care system and ultimately improve health outcomes. Consequently, measures of access across a continuum of care are an important way to evaluate the quality of the nation's health care system.

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**Table 5.1. Have Seen a Doctor Within the Past Year**

Have you seen a doctor or other health care provider in the past 12 months?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	636	79.0	396 010
NMMC Catchment Area 2001	637	78.4	DNC
<b>Lee County 2004</b>	310	76.6	45 927
Lee County 2001	328	81.0	DNC
Mississippi 2004	1224	81.2	1 680 411
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	330	85.7	223 946
NMMC Catchment Area 2001	352	83.4	DNC
<b>Lee County 2004</b>	160	82.9	26 177
Lee County 2001	187	88.2	DNC
Mississippi 2004	689	85.1	928 907
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	305	72.8	174 695
NMMC Catchment Area 2001	285	73.1	DNC
<b>Lee County 2004</b>	150	70.8	20 089
Lee County 2001	141	72.7	DNC
Mississippi 2004	535	76.7	750 072
National BRFSS Median	DNC	DNC	DNC

**Table 5.2: Routine Check-up Within the Past Year**

About how long has it been since you last visited a doctor for a routine check-up?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	577	71.8	359 918
NMMC Catchment Area 2001	578	72.9	DNC
<b>Lee County 2004</b>	306	75.6	45 323
Lee County 2001	275	70.0	DNC
Mississippi 2004	1104	73.2	1 514 853
National BRFSS Median	DNC	72.2	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	304	79.0	206 438
NMMC Catchment Area 2001	327	79.0	DNC
<b>Lee County 2004</b>	159	82.8	26 146
Lee County 2001	161	77.4	DNC
Mississippi 2004	629	77.6	849 219
National BRFSS Median	DNC	80.0	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	273	65.2	156 457
NMMC Catchment Area 2001	250	66.1	DNC
<b>Lee County 2004</b>	147	69.3	19 663
Lee County 2001	114	61.3	DNC
Mississippi 2004	475	68.1	665 970
National BRFSS Median	DNC	63.4	DNC

**Table 5.3. Health Care Coverage: Have some type of health care coverage**

Do you have any kind of health care coverage?

	Number	Percentage	Population Projection
<b><u>Total Sample</u></b>			
<b>NMMC Catchment Area 2004</b>	681	84.6	424 082
NMMC Catchment Area 2001	681	84.0	DNC
<b>Lee County 2004</b>	332	82.0	49 160
Lee County 2001	335	82.7	DNC
Mississippi 2004	1214	80.5	1 665 924
National BRFSS Median	DNC	85.9	DNC
<b><u>Females</u></b>			
<b>NMMC Catchment Area 2004</b>	322	83.6	218 459
NMMC Catchment Area 2001	353	83.5	DNC
<b>Lee County 2004</b>	160	82.5	26 051
Lee County 2001	174	82.1	DNC
Mississippi 2004	643	79.4	866 684
National BRFSS Median	DNC	87.4	DNC
<b><u>Males</u></b>			
<b>NMMC Catchment Area 2004</b>	359	85.7	205 650
NMMC Catchment Area 2001	328	84.5	DNC
<b>Lee County 2004</b>	172	81.1	23 011
Lee County 2001	161	83.4	DNC
Mississippi 2004	571	81.8	799 947
National BRFSS Median	DNC	83.8	DNC

**Table 5.4. Usual Provider of Routine Care**

What kind of place do you usually go to when you need routine preventive care, such as a physical or check-up?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>			
Clinic or Health Center	196	24.3	121 811
Doctor's Office or HMO	548	68.1	341 371
Hospital Emergency Room	9	1.1	5 514
Hospital Outpatient Department	12	1.4	7 018
Some Other Place	28	3.4	17 043
No Usual Provider	14	1.6	8 020
<b>NMMC Catchment Area 2001</b>			
Clinic or Health Center	225	27.8	DNC
Doctor's Office or HMO	523	64.7	DNC
Hospital Emergency Room	6	0.7	DNC
Hospital Outpatient Department	26	3.2	DNC
Some Other Place	12	1.5	DNC
No Usual Provider	16	2.0	DNC
<b>Lee County 2004</b>			
Clinic or Health Center	124	30.5	18 285
Doctor's Office or HMO	259	64.1	38 429
Hospital Emergency Room	5	1.2	719
Hospital Outpatient Department	5	1.2	719
Some Other Place	5	1.2	719
No Usual Provider	7	1.8	1 079
<b>Lee County 2001</b>			
Clinic or Health Center	167	42.0	DNC
Doctor's Office or HMO	199	50.0	DNC
Hospital Emergency Room	5	1.3	DNC
Hospital Outpatient Department	9	2.3	DNC
Some Other Place	6	1.5	DNC
No Usual Provider	12	3.0	DNC
<b>Mississippi 2004</b>			
Clinic or Health Center	415	27.5	569 105
Doctor's Office or HMO	945	62.7	1 297 558
Hospital Emergency Room	18	1.2	24 834
Hospital Outpatient Department	35	2.3	47 598
Some Other Place	57	3.8	78 640
No Usual Provider	23	1.6	33 112
National BRFSS Median	DNC	DNC	DNC

**Table 5.4. Usual Provider of Routine Care (cont.)**

What kind of place do you usually go to when you need routine preventive care, such as a physical or check-up?

	Number	Percentage	Population Projection
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>			
Clinic or Health Center	87	22.5	DNC
Doctor's Office or HMO	283	73.3	DNC
Hospital Emergency Room	1	0.3	DNC
Hospital Outpatient Department	1	0.3	DNC
Some Other Place	9	2.3	DNC
No Usual Provider	5	1.4	DNC
<b>NMMC Catchment Area 2001</b>			
Clinic or Health Center	115	27.4	DNC
Doctor's Office or HMO	285	68.0	DNC
Hospital Emergency Room	1	0.2	DNC
Hospital Outpatient Department	7	1.7	DNC
Some Other Place	6	1.4	DNC
No Usual Provider	5	1.2	DNC
<b>Lee County 2004</b>			
Clinic or Health Center	52	26.9	DNC
Doctor's Office or HMO	135	69.9	DNC
Hospital Emergency Room	1	0.5	DNC
Hospital Outpatient Department	1	0.5	DNC
Some Other Place	3	1.6	DNC
No Usual Provider	1	0.5	DNC
<b>Lee County 2001</b>			
Clinic or Health Center	87	41.8	DNC
Doctor's Office or HMO	114	54.8	DNC
Hospital Emergency Room	1	0.5	DNC
Hospital Outpatient Department	0	0.0	DNC
Some Other Place	2	1.0	DNC
No Usual Provider	4	1.9	DNC
<b>Mississippi 2004</b>			
Clinic or Health Center	219	27.0	DNC
Doctor's Office or HMO	532	65.8	DNC
Hospital Emergency Room	3	0.4	DNC
Hospital Outpatient Department	7	0.9	DNC
Some Other Place	36	4.4	DNC
No Usual Provider	6	0.7	DNC

**Table 5.4 Usual Provider of Routine Care (cont.)**

What kind of place do you usually go to when you need routine preventive care (such as a physical or check-up)?

	Number	Percentage	Population Projection
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>			
Clinic or Health Center	109	26.0	DNC
Doctor's Office or HMO	265	63.1	DNC
Hospital Emergency Room	7	1.7	DNC
Hospital Outpatient Department	11	2.6	DNC
Some Other Place	19	4.5	DNC
No Usual Provider	9	2.2	DNC
<b>NMMC Catchment Area 2001</b>			
Clinic or Health Center	110	28.2	DNC
Doctor's Office or HMO	238	61.0	DNC
Hospital Emergency Room	5	1.3	DNC
Hospital Outpatient Department	20	5.1	DNC
Some Other Place	6	1.5	DNC
No Usual Provider	11	2.8	DNC
<b>Lee County 2004</b>			
Clinic or Health Center	72	33.8	DNC
Doctor's Office or HMO	125	58.7	DNC
Hospital Emergency Room	4	1.9	DNC
Hospital Outpatient Department	4	1.9	DNC
Some Other Place	2	0.9	DNC
No Usual Provider	6	2.8	DNC
<b>Lee County 2001</b>			
Clinic or Health Center	81	42.6	DNC
Doctor's Office or HMO	85	44.7	DNC
Hospital Emergency Room	4	2.1	DNC
Hospital Outpatient Department	9	4.7	DNC
Some Other Place	3	1.6	DNC
No Usual Provider	8	4.2	DNC
<b>Mississippi 2004</b>			
Clinic or Health Center	196	28.0	DNC
Doctor's Office or HMO	413	59.1	DNC
Hospital Emergency Room	15	2.1	DNC
Hospital Outpatient Department	27	3.9	DNC
Some Other Place	21	3.0	DNC
No Usual Provider	17	2.5	DNC



**Table 5.5. Could Not Afford Health Care**

Was there a time during the last 12 months when you needed to see a doctor, but could not because of the cost?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	131	16.3	81 708
NMMC Catchment Area 2001	146	18.0	DNC
<b>Lee County 2004</b>	64	15.8	9 472
Lee County 2001	77	19.0	DNC
Mississippi 2004	251	16.6	346 572
National BRFSS Median	DNC	9.9	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	78	20.3	53 047
NMMC Catchment Area 2001	95	22.5	DNC
<b>Lee County 2004</b>	34	17.5	5 526
Lee County 2001	50	23.6	DNC
Mississippi 2004	165	20.4	222 674
National BRFSS Median	DNC	11.9	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	53	12.6	30 236
NMMC Catchment Area 2001	52	13.3	DNC
<b>Lee County 2004</b>	30	14.2	4 029
Lee County 2001	27	14.0	DNC
Mississippi 2004	86	12.3	120 285
National BRFSS Median	DNC	8.1	DNC

**Table 5.6. Could Not Afford Needed Prescription Medicines**

	Number	Percentage	Population Projection
<b><u>Total Sample</u></b>			
<b>NMMC Catchment Area 2004</b>	178	22.1	110 783
NMMC Catchment Area 2001	111	13.7	DNC
<b>Lee County 2004</b>	72	17.8	10 671
Lee County 2001	60	14.8	DNC
Mississippi 2004	283	18.8	389 061
National BRFSS Median	DNC	DNC	DNC
<b><u>Females</u></b>			
<b>NMMC Catchment Area 2004</b>	88	22.8	59 580
NMMC Catchment Area 2001	65	15.4	DNC
<b>Lee County 2004</b>	41	21.2	6 694
Lee County 2001	34	16.0	DNC
Mississippi 2004	185	22.9	249 963
National BRFSS Median	DNC	DNC	DNC
<b><u>Males</u></b>			
<b>NMMC Catchment Area 2004</b>	90	21.5	51 592
NMMC Catchment Area 2001	46	11.8	DNC
<b>Lee County 2004</b>	31	14.6	4 143
Lee County 2001	27	13.9	DNC
Mississippi 2004	98	14.1	137 888
National BRFSS Median	DNC	DNC	DNC

**Table 5-7 Could Not Afford Needed Mental Health Care**

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	50	6.2	31 079
NMMC Catchment Area 2001	41	5.0	DNC
<b>Lee County 2004</b>	12	2.9	1 739
Lee County 2001	15	3.7	DNC
Mississippi 2004	67	4.5	93 126
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	27	7.0	18 292
NMMC Catchment Area 2001	24	5.7	DNC
<b>Lee County 2004</b>	10	5.2	1 642
Lee County 2001	8	3.8	DNC
Mississippi 2004	44	5.5	60 035
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	23	5.5	13 198
NMMC Catchment Area 2001	17	4.3	DNC
<b>Lee County 2004</b>	2	0.9	255
Lee County 2001	6	3.1	DNC
Mississippi 2004	23	3.3	32 272
National BRFSS Median	DNC	DNC	DNC

**Table 5.8: Could Not Afford Needed Dental Care**

	Number	Percentage	Population Projection
<b><u>Total Sample</u></b>			
<b>NMMC Catchment Area 2004</b>	160	19.9	99 755
NMMC Catchment Area 2001	155	19.1	DNC
<b>Lee County 2004</b>	75	18.6	11 151
Lee County 2001	73	18.0	DNC
Mississippi 2004	291	19.3	399 408
National BRFSS Median	DNC	DNC	DNC
<b><u>Females</u></b>			
<b>NMMC Catchment Area 2004</b>	95	24.6	64 283
NMMC Catchment Area 2001	93	22.0	DNC
<b>Lee County 2004</b>	41	21.1	6 663
Lee County 2001	46	21.8	DNC
Mississippi 2004	186	23.0	251 054
National BRFSS Median	DNC	DNC	DNC
<b><u>Males</u></b>			
<b>NMMC Catchment Area 2004</b>	65	15.5	37 195
NMMC Catchment Area 2001	62	15.9	DNC
<b>Lee County 2004</b>	35	16.5	4 682
Lee County 2001	27	14.0	DNC
Mississippi 2004	105	15.0	146 690
National BRFSS Median	DNC	DNC	DNC

## Chapter 6: Satisfaction with Health Care

### Satisfaction with Health Care, 2001 to 2004 North Mississippi Medical Center Catchment Area

	2001	2004	<i>p</i> , 2001 to 2004
Doctors or Health Care Provider Listened Carefully	59.5%	61.4%	ns
Doctors or Health Providers Explained Things Clearly	65.3%	68.1%	ns
Doctors or Health Providers Showed Respect	65.9%	68.1%	ns
Doctors or Health Providers Usually or Always Spent Enough Time	56.5%	61.9%	ns
Received Best Possible Care	77.6%	78.1%	ns

### Lee County

	2001	2004	<i>p</i> , 2001 to 2004
Doctors or Health Care Provider Listened Carefully	58.8%	55.6%	ns
Doctors or Health Providers Explained Things Clearly	67.0%	64.3%	ns
Doctors or Health Providers Showed Respect	69.0%	68.6%	ns
Doctors or Health Providers Usually or Always Spent Enough Time	59.0%	61.4%	ns
Received Best Possible Care	83.2%	74.1%	<.05

## Chapter 6: Satisfaction with Health Care

Satisfactory care and related services can increase appropriate patient use of the health care system and ultimately improve health outcomes. Consequently, measures are an important way to evaluate the quality of the nation's health care system.  
 Adapted from Healthy People 2010.

**Table 6.1: Doctors or Health Providers Always Listened Carefully**

In the past 12 months, how often did doctors or other health providers listen carefully to you?

	Number	Percentage	Population Projection <sup>15</sup>
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	390	61.4	DNC
NMMC Catchment Area 2001	376	59.5	DNC
<b>Lee County 2004</b>	172	55.6	DNC
Lee County 2001	190	58.8	DNC
Mississippi 2004	730	59.6	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	197	59.7	DNC
NMMC Catchment Area 2001	199	56.9	DNC
<b>Lee County 2004</b>	102	63.8	DNC
Lee County 2001	105	56.8	DNC
Mississippi 2004	408	59.2	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	214	69.9	DNC
NMMC Catchment Area 2001	177	62.8	DNC
<b>Lee County 2004</b>	70	46.7	DNC
Lee County 2001	85	62.5	DNC
Mississippi 2004	322	60.3	DNC
National BRFSS Median	DNC	DNC	DNC

<sup>15</sup> Population projections in this section are based on the adult population that has seen a doctor within the past year.

**Table 6.2. Doctors or Health Providers Always Explained Things Clearly**

In the last 12 months, how often did doctors or other health providers explain things in a way you could understand?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	433	68.1	DNC
NMMC Catchment Area 2001	413	65.3	DNC
<b>Lee County 2004</b>	199	64.3	DNC
Lee County 2001	217	67.0	DNC
Mississippi 2004	821	67.1	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	219	66.4	DNC
NMMC Catchment Area 2001	226	64.6	DNC
<b>Lee County 2004</b>	107	67.3	DNC
Lee County 2001	113	60.8	DNC
Mississippi 2004	459	66.7	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	214	69.9	DNC
NMMC Catchment Area 2001	187	66.3	DNC
<b>Lee County 2004</b>	92	61.7	DNC
Lee County 2001	104	74.8	DNC
Mississippi 2004	362	67.5	DNC
National BRFSS Median	DNC	DNC	DNC

**Table 6.3. Doctors or Health Providers Always Showed Respect**

In the last 12 months, how often did doctors or other health providers show respect for what you had to say?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	433	68.1	DNC
NMMC Catchment Area 2001	416	65.9	DNC
<b>Lee County 2004</b>	213	68.6	DNC
Lee County 2001	223	69.0	DNC
Mississippi 2004	846	69.1	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	217	65.8	DNC
NMMC Catchment Area 2001	227	64.9	DNC
<b>Lee County 2004</b>	117	73.1	DNC
Lee County 2001	125	67.6	DNC
Mississippi 2004	469	68.2	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	216	70.6	DNC
NMMC Catchment Area 2001	189	67.3	DNC
<b>Lee County 2004</b>	96	64.0	DNC
Lee County 2001	98	71.0	DNC
Mississippi 2004	377	70.3	DNC
National BRFSS Median	DNC	DNC	DNC



**Table 6.4: Doctors or Health Providers Always Spent Enough Time**

In the last 12 months, how often did doctors or other health providers spend enough time with you?  
 Never, sometimes, usually, or always.

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	393	61.9	DNC
NMMC Catchment Area 2001	357	56.5	DNC
<b>Lee County 2004</b>	191	61.4	DNC
Lee County 2001	191	59.0	DNC
Mississippi 2004	765	62.5	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	199	60.1	DNC
NMMC Catchment Area 2001	190	54.4	DNC
<b>Lee County 2004</b>	103	64.4	DNC
Lee County 2001	103	55.4	DNC
Mississippi 2004	434	63.1	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	195	63.7	DNC
NMMC Catchment Area 2001	167	59.0	DNC
<b>Lee County 2004</b>	87	58.0	DNC
Lee County 2001	88	63.3	DNC
Mississippi 2004	331	61.9	DNC
National BRFSS Median	DNC	DNC	DNC

**Table 6.5. Received Best Possible Care: Score of 4 or 5**

How do you rate all of your health care in the last 12 months from all doctors and other health care providers? (On a scale of 1 to 5, with 1 being worst health care possible and 5 being best health care possible)

	Number	Percentage	Population Projection
<b><u>Total Sample</u></b>			
<b>NMMC Catchment Area 2004</b>	496	78.1	DNC
NMMC Catchment Area 2001	485	77.6	DNC
<b>Lee County 2004</b>	230	74.1	DNC
Lee County 2001	267	83.2	DNC
Mississippi 2004	977	79.7	DNC
National BRFSS Median	DNC	DNC	DNC
<b><u>Females</u></b>			
<b>NMMC Catchment Area 2004</b>	260	78.8	DNC
NMMC Catchment Area 2001	276	81.2	DNC
<b>Lee County 2004</b>	131	81.3	DNC
Lee County 2001	148	81.8	DNC
Mississippi 2004	548	79.7	DNC
National BRFSS Median	DNC	DNC	DNC
<b><u>Males</u></b>			
<b>NMMC Catchment Area 2004</b>	236	77.1	DNC
NMMC Catchment Area 2001	209	73.1	DNC
<b>Lee County 2004</b>	98	65.8	DNC
Lee County 2001	119	85.6	DNC
Mississippi 2004	428	80.0	DNC
National BRFSS Median	DNC	DNC	DNC

**Health Communication, 2001 to 2004**  
**North Mississippi Medical Center Catchment Area**

	2001	2004	<i>p</i> , 2001 to 2004
Internet Access	52.9%	60.9%	<.05
Know How to Obtain Medical Information on the Internet	80.1%	79.1%	Ns
Can Obtain Help Finding Information on the Internet	81.2%	75.8%	<.05

**Lee County**

	2001	2004	<i>p</i> , 2001 to 2004
Internet Access	62.7%	65.0%	ns
Know How to Obtain Medical Information on the Internet	81.3%	84.6%	ns
Can Obtain Help Finding Information on the Internet	86.5%	84.1%	ns

## Chapter 7: Health Communication

Health communication encompasses the study and use of communication strategies to inform and influence individual and community decisions that enhance health. It links the domains of communication and health and is increasingly recognized as a necessary element of efforts to improve personal and public health. Health communication can contribute to all aspects of disease prevention and health promotion and is relevant in a number of contexts, including (1) health professional-patient relations, (2) individuals' exposure to, search for, and use of health information, (3) individuals' adherence to clinical recommendations and regimens, (4) the construction of public health messages and campaigns, (5) the dissemination of individual and population health risk information, that is, risk communication, (6) images of health in the mass media and the culture at large, (7) the education of consumers about how to gain access to the public health and health care systems, and (8) the development of telehealth applications.

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**Table 7.1. Internet Access: Have Internet access**

Do you have access to the Internet at home, work, or school?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	490	60.9	305 279
NMMC Catchment Area 2001	428	52.9	DNC
<b>Lee County 2004</b>	263	65.0	38 968
Lee County 2001	252	62.7	DNC
Mississippi 2004	942	62.5	1 293 419
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	225	58.4	152 607
NMMC Catchment Area 2001	205	48.8	DNC
<b>Lee County 2004</b>	112	58.0	18 315
Lee County 2001	123	58.6	DNC
Mississippi 2004	480	59.3	647 284
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	264	63.0	151 178
NMMC Catchment Area 2001	223	57.3	DNC
<b>Lee County 2004</b>	151	71.2	20 202
Lee County 2001	129	67.2	DNC
Mississippi 2004	462	66.2	647 390
National BRFSS Median	DNC	DNC	DNC

**Table 7.2. Know How to Obtain Medical Information on the Internet**

Asked of respondents with access to the Internet

Do you know how to obtain medical information on the Internet?

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	388	79.1	DNC
NMMC Catchment Area 2001	343	80.1	DNC
<b>Lee County 2004</b>	223	84.6	DNC
Lee County 2001	100	81.3	DNC
Mississippi 2004	757	80.4	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	181	80.4	DNC
NMMC Catchment Area 2001	162	79.0	DNC
<b>Lee County 2004</b>	94	83.9	DNC
Lee County 2001	100	81.3	DNC
Mississippi 2004	391	81.5	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	206	78.0	DNC
NMMC Catchment Area 2001	181	81.2	DNC
<b>Lee County 2004</b>	128	84.8	DNC
Lee County 2001	97	75.8	DNC
Mississippi 2004	366	79.2	DNC
National BRFSS Median	DNC	DNC	DNC

**Table 7.3: Can Obtain Help Finding Information on the Internet**

Asked to respondents who did not have access to the Internet or who did not know how to obtain medical information on the Internet:

"If you wanted to obtain medical information from the Internet in the future, could someone you know help you get it?"

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	316	75.8	DNC
NMMC Catchment Area 2001	372	81.2	DNC
<b>Lee County 2004</b>	153	84.1	DNC
Lee County 2001	173	86.5	DNC
Mississippi 2004	590	78.6	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	152	74.5	DNC
NMMC Catchment Area 2001	204	79.4	DNC
<b>Lee County 2004</b>	84	84.8	DNC
Lee County 2001	93	85.3	DNC
Mississippi 2004	329	78.7	DNC
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	164	76.6	DNC
NMMC Catchment Area 2001	168	84.0	DNC
<b>Lee County 2004</b>	70	83.3	DNC
Lee County 2001	80	87.0	DNC
Mississippi 2004	261	78.6	DNC
National BRFSS Median	DNC	DNC	DNC

## Chapter 8: Involvement with Community Affair

The degree of social integration or connection and the social networks in which people are embedded are related to morbidity and mortality. Like economic inequality, social cohesion and social capital are associated with health.  
 Adapted from The Institute of Medicine 2001 Report

**Table 8.1: Feels Safe in Community**

Feels safe out and about in my community	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	760	94.4	473 207
NMMC Catchment Area 2001	DNC	DNC	DNC
<b>Lee County 2004</b>	387	95.5	57 253
Lee County 2001	DNC	DNC	DNC
Mississippi 2004	1276	84.6	1 750 772
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	358	92.7	242 238
NMMC Catchment Area 2001	DNC	DNC	DNC
<b>Lee County 2004</b>	180	93.8	29 619
Lee County 2001	DNC	DNC	DNC
Mississippi 2004	660	81.5	889 606
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	402	95.9	230 126
NMMC Catchment Area 2001	DNC	DNC	DNC
<b>Lee County 2004</b>	206	97.2	27 580
Lee County 2001	DNC	DNC	DNC
Mississippi 2004	616	88.2	862 534
National BRFSS Median	DNC	DNC	DNC

<sup>16</sup> These questions were not asked in 2001.

**Table 8.2. People in Community Are Willing to Help**

Most people in my community are willing to help if you need it.

	Number	Percentage	Population Projection
<b>Total Sample</b>			
<b>NMMC Catchment Area 2004</b>	704	87.5	438 619
NMMC Catchment Area 2001	DNC	DNC	DNC
<b>Lee County 2004</b>	360	88.9	53 296
Lee County 2001	DNC	DNC	DNC
Mississippi 2004	1203	79.8	1 651 438
National BRFSS Median	DNC	DNC	DNC
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	342	88.8	232 047
NMMC Catchment Area 2001	DNC	DNC	DNC
<b>Lee County 2004</b>	168	87.5	27 630
Lee County 2001	DNC	DNC	DNC
Mississippi 2004	628	77.7	848 127
National BRFSS Median	DNC	DNC	DNC
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	362	86.4	207 330
NMMC Catchment Area 2001	DNC	DNC	DNC
<b>Lee County 2004</b>	192	90.6	25 707
Lee County 2001	DNC	DNC	DNC
Mississippi 2004	575	82.4	805 814
National BRFSS Median	DNC	DNC	DNC



**Table 8.3: Years in the Community**

How many years in a row have you lived in your current community?

	<b>Mean Years</b>
<b>Females</b>	
<b>NMMC Catchment Area 2004</b>	15.85
NMMC Catchment Area 2001	24.05
<b>Lee County 2004</b>	13.86
Lee County 2001	19.61
Mississippi 2004	25.40
<b>Males</b>	
<b>NMMC Catchment Area 2004</b>	22.18
NMMC Catchment Area 2001	22.71
<b>Lee County 2004</b>	22.64
Lee County 2001	17.68
Mississippi 2004	24.06

## Chapter 9: Sex-specific Health Issues

### Sex-specific Health Issues, 2001 to 2004 North Mississippi Medical Center Catchment Area

	2001	2004	<i>p</i> , 2001 to 2004
Ever Had a Mammogram	61.8%	65.8%	ns
Mammogram: Within the Past Year	64.5%	67.0%	ns
Reasons for Getting a Mammogram:			
Routine Check-up	85.7%	90.5%	
Breast Problem, Not Cancer	12.0%	7.5%	
Breast Cancer	2.3%	1.2%	
Ever Had a Clinical Breast Exam	82.6%	80.4%	ns
Breast Exam: Within the Past Year	69.2%	72.7%	ns
Reasons for Getting Clinical Breast Exam:			
Routine Check-up	91.0%	92.6%	
Breast Problem, Not Cancer	7.6%	6.1%	
Breast Cancer	1.5%	0.9%	
Ever Had a Pap Smear	94.8%	89.0%	ns
Pap Smear: Within the Past Year	63.5%	62.8%	ns
Currently Pregnant	3.8%	3.9%	ns
Testicular Exam: Within the Past Year	24.8%	25.8%	ns

**Sex-specific Health Issues, 2001 to 2004**  
**Lee County**

	2001	2004	<i>p</i> , 2001 to 2004
Ever Had a Mammogram	61.4%	63.6%	ns
Mammogram: Within the Past Year	68.0%	70.7%	ns
Reasons for Getting a Mammogram:			
Routine Check-up	89.0%	92.2%	
Breast Problem, Not Cancer	8.7%	5.7%	
Breast Cancer	2.4%	1.0%	
Ever Had a Clinical Breast Exam	86.1%	82.0%	ns
Breast Exam: Within the Past Year	75.7%	77.0%	ns
Reasons for Getting Clinical Breast Exam:			
Routine Check-up	93.2%	95.6%	
Breast Problem, Not Cancer	5.6%	3.2%	
Breast Cancer	1.1%	1.3%	
Ever Had a Pap Smear	95.3%	90.4%	ns
Pap Smear: Within the Past Year	68.7%	70.7%	ns
Currently Pregnant	4.7%	5.0%	ns
Testicular Exam: Within the Past Year	27.8%	19.2%	<.05

## Chapter 9: Sex-specific Health Issues

<b>Table 9.1: Ever Had a Mammogram</b>			
Have you ever had a mammogram?			
	Number	Percentage	Population Projection
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	253	65.8	329 842
NMMC Catchment Area 2001	260	61.8	DNC
<b>Lee County 2004</b>	123	63.6	38 129
Lee County 2001	129	61.4	DNC
Mississippi 2004	524	64.8	707 319
National BRFSS Median	DNC	63.4	DNC

<b>Table 9.2: Mammogram Within the past year</b>			
How long has it been since you had your last mammogram?			
	Number	Percentage	Population
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	170	67.0	DNC
NMMC Catchment Area 2001	165	64.5	DNC
<b>Lee County 2004</b>	87	70.7	DNC
Lee County 2001	87	68.0	DNC
Mississippi 2004	332	63.4	DNC
National BRFSS Median	DNC	66.0	DNC

<b>Table 9.3: Reasons for Getting a Mammogram</b>			
Was your last mammogram or routine check-up because of a breast problem other than cancer, or because you feared breast cancer?			
	Routine Check-up	Breast Problem Not Cancer	Breast Cancer
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	90.5%	7.5%	1.2%
NMMC Catchment Area 2001	DNC	DNC	DNC
<b>Lee County 2004</b>	92.2%	5.7%	1.0%
Lee County 2001	DNC	DNC	DNC
Mississippi 2004	89.1%	8.7%	1.8%
National BRFSS Median	DNC	DNC	DNC

<sup>17</sup> Among females who have ever had a mammogram

**Table 9.4. Ever Had a Clinical Breast Exam**

Have you ever had a clinical breast exam?

	Number	Percentage	Population Projection
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	310	80.4	210 096
NMMC Catchment Area 2001	346	82.6	DNC
<b>Lee County 2004</b>	158	82.0	25 893
Lee County 2001	180	86.1	DNC
Mississippi 2004	660	81.6	890 697
National BRFSS Median	DNC	91.0	DNC

**Table 9.5. Breast Exam: Within the past year<sup>18</sup>**

How long has it been since you last breast exam?

	Number	Percentage	Population Projection
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	225	72.7	DNC
NMMC Catchment Area 2001	234	69.2	DNC
<b>Lee County 2004</b>	122	77.0	DNC
Lee County 2001	134	75.7	DNC
Mississippi 2004	458	69.4	DNC
National BRFSS Median	DNC	75.7	DNC

**Table 9.6. Reasons for Getting a Clinical Breast Exam**

Was your last clinical breast exam for a routine check-up, because of a breast problem other than cancer, or because you've had breast cancer?

	Routine Check-up	Breast Problem Not Cancer	Breast Cancer
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	92.6%	6.1%	0.9%
NMMC Catchment Area 2001	91.0%	7.6%	1.0%
<b>Lee County 2004</b>	95.6%	3.2%	1.3%
Lee County 2001	93.2%	5.6%	1.1%
Mississippi 2004	93.9%	4.7%	1.2%
National BRFSS Median	DNC	DNC	DNC

<sup>18</sup> Among females who have ever had a breast exam

**Table 9.7 Ever Had a Pap Smear**

Have you ever had a pap smear?

	Number	Percentage	Population Projection
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	343	89.0	232 569
NMMC Catchment Area 2001	398	94.8	DNC
<b>Lee County 2004</b>	174	90.4	28 546
Lee County 2001	201	95.3	DNC
Mississippi 2004	729	90.1	983 478
National BRFSS Median	DNC	95.2	DNC

**Table 9.8 Pap Smear Within the Past Year**

Asked of females who have ever had a pap smear

How long has it been since you had your last pap smear?

	Number	Percentage	Population Projection
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	216	62.8	DNC
NMMC Catchment Area 2001	249	63.5	DNC
<b>Lee County 2004</b>	123	70.7	DNC
Lee County 2001	136	68.7	DNC
Mississippi 2004	460	63.1	DNC
National BRFSS Median	DNC	68.3	DNC

**Table 9.9 Currently Pregnant**

To your knowledge, are you now pregnant?

	Number	Percentage	Population Projection
<b>Females</b>			
<b>NMMC Catchment Area 2004</b>	7	3.9	10 191
NMMC Catchment Area 2001	7	3.8	DNC
<b>Lee County 2004</b>	4	5.0	1 579
Lee County 2001	4	4.7	DNC
Mississippi 2004	15	4.2	45 845
National BRFSS Median	DNC	4.6	DNC

**Table 9.10: PSA Test: Within the past year**

How long has it been since you had your last PSA test?

	Number	Percentage	Population Projection
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	127	15.8	37 914
NMMC Catchment Area 2001	32	13.4	DNC
<b>Lee County 2004</b>	66	16.3	4 625
Lee County 2001	18	14.9	DNC
Mississippi 2004	204	65.5	DNC
National BRFSS Median	DNC	DNC	DNC

**Table 9.11: Digital Rectal Exam: Within the past year**

In the past 12 months, have you had a digital rectal exam?

	Number	Percentage	Population Projection
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	98	23.4	DNC
NMMC Catchment Area 2001	DNC	DNC	DNC
<b>Lee County 2004</b>	39	18.5	DNC
Lee County 2001	DNC	DNC	DNC
Mississippi 2004	DNC	DNC	DNC
National BRFSS Median	DNC	DNC	DNC

**Table 9.12: Testicular Exam: Within the past year**

How long has it been since you had your last testicular exam?

	Number	Percentage	Population Projection
<b>Males</b>			
<b>NMMC Catchment Area 2004</b>	109	25.8	61 911
NMMC Catchment Area 2001	82	24.8	DNC
<b>Lee County 2004</b>	40	19.2	5 448
Lee County 2001	46	27.8	DNC
Mississippi 2004	208	29.7	290 445
National BRFSS Median	DNC	DNC	DNC

## **The NMMC Catchment Area Compared to Mississippi and the Nation**

### **A Step Ahead**

-The percentage of adult smokers who have attempted to quit within the past year is greater in the NMMC Catchment Area (68.7%) than in Mississippi (62.9%) or the national median (51.8%).

-The percentage of adults who report binge drinking in the past month is lower among adults in the NMMC Catchment Area (9.2%) than among Mississippi adults (9.9%) or the national median (16.5%)

-The NMMC Catchment Area has fewer obese adults (27.6%) than Mississippi (32.5%) or the nation (22.2%) as a whole.

-The percentage of women who report having had a mammogram in the last year is greater in the NMMC Catchment Area (67%) than in Mississippi (63.4%) or the national median (66%).

### **A Step Behind**

-The percentage of adults who report poor overall health status is greater among adults in the NMMC Catchment Area (24.5%) than in Mississippi (21.2%) or the national median (15%).

-The percentage of adults who report that poor health has limited their activities is greater among adults in the NMMC Catchment Area (37.5%) than in Mississippi (14%) or the national median (19.4%).

-The prevalence of overweight adults is greater in the NMMC Catchment Area (67.8%) than the national median (59.2%).

-The percentage of adults who report having high blood pressure is greater in the NMMC Catchment Area (36.9%) than the national median (25.6%).

-The percentage of adults who report not having taken steps to manage their diabetes is greater in the NMMC Catchment Area (52.1%) than in Mississippi as a whole (69.9%).



## Lee County Compared to Mississippi and the Nation

### A Step Ahead

-The percentage of adult smokers who have attempted to quit within the past year is greater in Lee County (63.3%) than in Mississippi (62.9%) or the national median (62.9%).

-The percentage of adults who report binge drinking in the past month is lower among adults in Lee County (6.0%) than among Mississippi adults (9.9%) or the national median (16.5%).

-Lee County has fewer obese adults (19.9%) than Mississippi (32.5%) or the national median (22.2%) as a whole.

-The percentage of women who report having had a mammogram in the last year is greater in Lee County (70.7%) than in Mississippi (63.4%) or the national median (63.4%).

-The percentage of women who report having had a pap smear in the last year is greater in Lee County (70.7%) than in Mississippi (63.1%) or the national median (68.3%).

-The percentage of adults who report having had a flu shot in the past year is greater among adults in Lee County (77.9%) than among Mississippi adults (72%) or the national median (69.9%).

### A Step Behind

-The percentage of adults who report poor overall health status is greater among adults in Lee County (18.4%) than the national median (15%).

-Fewer adults in Lee County report that their child(ren) always or almost always wear a bicycle helmet (24.6%) than the national median (44.8%).

-The percentage of adults who report having high blood pressure is greater among adults in Lee County (36.9%) than the national median (25.6%).

-The percentage of adults who report having had a pneumonia vaccination in the last year is lower among Lee County adults (44.3%) than Mississippi adults (53.5%) or the national median (64.5%).

## Appendix A: Survey Instrument

2004 Mississippi Health Assessment  
Mississippi Health Policy Research Center  
Social Science Research Center, Mississippi State University

### *Clinical Prevention Screenings*

Have you seen a doctor or other health care provider in the past 12 months?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

About how long has it been since you last had your blood pressure taken by a doctor, nurse, or other health care provider?

1. Within the past 6 months (1 to 6 months ago)
2. Within the past year (6 to 12 months ago)
3. Within the past 2 years (1 to 2 years ago)
4. Within the past 5 years (2 to 5 years ago)
5. 5 or more years ago
6. Don't know/Not sure
7. Never
8. Refused

During the past 12 months, have you had a flu shot?    **BRFSS, NHIS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Have you ever had a pneumonia vaccination?    **BRFSS, NHIS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Whether separately or as part of a physical exam, please tell me if you have had any of the following medical tests or procedures done in the past 12 months.

Have you had an eye exam in the past 12 months?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Have you had a glaucoma test?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

A stress EKG?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

A blood test for glucose or sugar?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

A urine test for glucose or sugar?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

A dental exam?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Your blood pressure measured?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

A blood stool test?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Blood cholesterol is a fatty substance found in the blood. Have you ever had your blood cholesterol checked? **BRFSS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

About how long has it been since you last had a colorectal cancer screening?

1. Never had one
2. Within the past 6 months (1 to 6 months ago)
3. Within the past year (6 to 12 months ago)
4. Within the past 2 years (1 to 2 years ago)
5. Within the past 5 years (2 to 5 years ago)
6. 5 or more years ago
7. Don't Know/Not Sure
8. Refused

**Health Status**

In general would you say that your health is: **BRFSS**

1. Excellent
2. Very good
3. Good
4. Fair
5. Poor
6. Don't know/ Not sure
7. Refused

Compared with 12 months ago, would you say that your health is better, worse, or about the same?

1. Better
2. Worse
3. About the Same
4. Don't Know/Not Sure
5. Refused

Now thinking about your physical health, which includes physical illness and injury, for how many days during the past 30 days was your health NOT good? **BRFSS**

Not including maternity leave, during the past 12 months, about how many days did you miss work at a job or business because of illness or injury ?

Excluding maternity leave, during the past 12 months, about how many days did illness or injury keep you in bed more than half a day? **BRFSS**

Now thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the past 30 days was your mental health NOT good? **BRFSS**

During the past 30 days, for about how many days did your poor physical or mental health keep you from doing your usual activities, such as self-care, work, or recreation?

I am going to read some medical conditions that people can have, for each one please tell me if you have ever been told by a doctor or other health professional that you have this condition?

Have you ever been told that you have coronary heart disease? **NHIS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

also called angina pectoris? **NHIS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Angina,

Have you ever been told that you have \_\_\_ (see above)

A heart attack? **NHIS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Any other kind of heart condition or heart disease? **NHIS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

A stroke? **NHIS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Emphysema? **NHIS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

A stomach ulcer? **Similar to NHIS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Cancer or a malignancy of any kind? **NHIS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Diabetes? **BRFSS, NHIS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Have you ever taken a course or class in how to manage your diabetes your  
**Module**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Have you ever been told that you have asthma? **BRFSS, NHIS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Have you ever taken a course or class in how to manage your asthma yourself?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Do you still have asthma? **BRFSS, NHIS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Have you ever been told that you have high blood pressure? **BRFSS, similar to NHIS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Is your high blood pressure under control?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Have you received treatment for psychological problems or emotional difficulties at a mental health clinic or from a mental health professional in the past 12 months?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

During the past 12 months, was there ever a time when you felt sad, blue, or depressed for 2 weeks or more in a row?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

**Access to Health Care**

About how long has it been since you last visited a doctor for a routine checkup?

1. Within the past year (1 to 12 months ago)
2. Within the past 2 years (1 to 2 years ago)
3. Within the past 5 years (2 to 5 years ago)
4. 5 or more years ago
5. Don't know/Not sure
6. Never
7. Refused

What kind of place do you USUALLY go to when you need routine PREVENTIVE care such as a physical or check-up? **NHIS**

1. Clinic or health center
2. Doctor's office or HMO
3. Hospital emergency room
4. Hospital outpatient department
5. Some other place
6. Refused
7. Don't know
8. Do not get preventive care anywhere

I am going to read a number of medical services, for each one please tell me if you needed it during the past 12 months but didn't get it because you couldn't afford it.

Prescription medicines **NHIS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Mental health care or counseling **NHIS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Dental care (including check-ups) **NHIS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Do you have any kind of health care coverage, including health insurance, prepaid plans such as HMOs, or government plans such as Medicare? **BRFSS**

1. Yes
2. No
3. Don't know/ Not sure
4. Refused

Is the health care coverage that pays MOST of your medical care through:

1. Your employer
2. Someone else's employer
3. A plan that you or someone else buys on your own
4. Medicare
5. Medicaid or Medical Assistance
6. The military, CHAMPUS, TriCare, or the VA [or CHAMP-VA]
7. The Indian Health Service
8. Some other source
9. None
10. Don't know/Not sure
11. Refused

There are some types of coverage you may not have considered. Please tell me if you have health care coverage by any of the following:

1. Your employer
2. Someone else's employer
3. A plan that you or someone else buys on your own
4. Medicare
5. Medicaid or Medical Assistance
6. The military, CHAMPUS, TriCare, or the VA [or CHAMP-VA]
7. The Indian Health Service, or
8. Some other source
9. None
10. Don't know/Not sure
11. Refused

Was there a time during the last 12 months when you needed to see a doctor, but could not because of the cost? **BRFSS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

**Satisfaction with Health Care**

In the last 12 months, how often did doctors or other health providers listen carefully to you? Would you say:

1. Never
2. Sometimes
3. Usually
4. Always
5. Don't know/Not Sure
6. Refused

In the last 12 months, how often did doctors or other health providers explain things in a way you could understand? Would you say:

1. Never
2. Sometimes
3. Usually
4. Always
5. Don't know/Not Sure
6. Refused



In the last 12 months, how often did doctors or other health providers show respect for what you had to say? Would you say:

1. Never
2. Sometimes
3. Usually
4. Always
5. Don't know/Not Sure
6. Refused

In the last 12 months, how often did doctors or other health providers spend enough time with you? Would you say:

1. Never
2. Sometimes
3. Usually
4. Always
5. Don't know/Not Sure
6. Refused

We want to know your rating of all your health care in the last 12 months from all doctors and other health providers. Use any number from 1 to 5, where 1 is the worst health care possible, and 5 the best health care possible. How would you rate all of your health care?

1. 1 Worst health care possible
2. 2
3. 3
4. 4
5. 5 Best health care possible
6. Don't know/Not Sure
7. Refused

In the last 12 months, what is the main reason for not being satisfied with the health care you received?

1. Cost too much
2. Had to wait too long
3. Doctor/nurse practitioner did not communicate well
4. Doctor/nurse practitioner did not spend enough time
5. Mistreated by other staff
6. Condition did not improve after treatment or medication
7. Other:
8. Don't know/Not Sure
9. Refused

#### **Risk Factors**

How many days in the past week did you exercise or participate in sports activities for at least 30 minutes? <sup>19</sup>

Have you smoked at least 100 cigarettes in your entire life? BRFSS

1. Yes
2. No
3. Don't know/Not sure
4. Refused

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<sup>19</sup> This question is different from the one the BRFSS question regarding physical activity

Do you now smoke cigarettes everyday, some days, or not at all? BRFSS, NHIS

1. Everyday
2. Some days
3. Not at all
4. Refused

During the past 12 months, have you quit smoking for 1 day or longer? BRFSS, NHIS

1. Yes
2. No
3. Don't know/Not sure
4. Refused

During the past 7 days, on how many days were you in the same room with or ride in a car with someone who was smoking cigarettes?

1. 0 days
2. 1 or 2 days
3. 3 or 4 days
4. 5 or 6 days
5. 7 days
6. Don't Know/Not Sure
7. Refused

During the past 30 days, how many days per week or month did you have at least one drink of any alcoholic beverage? BRFSS

The respondent's answer is in:

1. Days per week
2. Days per month
3. Never had a drink during past 30 days (or ever)
4. Don't Know/Remember
5. Refused

During past 30 days, how many days per week did respondent drink alcoholic beverages?

During past 30 days, how many days per month did respondent drink alcoholic beverages?

On the days when you drank, about how many drinks did you drink on average?

Considering all types of alcoholic beverages, how many times during the past month did you have 5 or more drinks on an occasion? BRFSS

During the past month, how many times have you driven when you've had too much to drink?

How many servings of fruits and vegetables do you usually eat per day?

Are you trying to lose weight? BRFSS

1. Yes
2. No
3. Don't know/Not sure
4. Refused

In the past 12 months, has a doctor, nurse, or other health care provider given you advice about: BRFSS

1. Losing weight
2. Gaining weight
3. Maintaining your current weight
4. Didn't discuss weight with health care provider
5. Don't know/Not sure
6. Refused

*Demographics*

How many years in a row have you lived in your current community? \_\_\_\_\_

If you could live any place in the United States, would you choose the community where you are now living?

- Definitely yes
- Probably yes
- Probably not
- Definitely not

Do you agree or disagree with the following statements?

I feel safe out and about in my community.

Most people in this community are willing to help if you need it.  
About how much do you weigh without your shoes?

About how tall are you without your shoes?

About how tall are you without your shoes?

What is your gender?

1. Female
2. Male
3. Refused

What is your age?

Are you currently:

1. Single (never been married)
2. Married
3. A member of an unmarried couple
4. Divorced
5. Widowed
6. Separated
7. Refused

What is your race? Would you say:

1. White
2. Black
3. Asian, Pacific Islander
4. American Indian, Alaska Native
5. Other:
6. Don't know/Not sure
7. Refused

Are you of Spanish or Hispanic origin?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Do you currently have any children living in your household?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

How many are less than 5 years old?

How many are 5 through 12 years old?

How many are 13 through 17 years old?

What is the highest grade or year of school you completed?

1. Never attended school or only attended kindergarten
2. Grades 1 through 8 (Elementary school)
3. Grades 9 through 11 (Some high school)
4. Grade 12 or GED (High school graduate)
5. College 1 year to 3 years (Some college or technical school)
6. College 4 years or more (College graduate)
7. Refused

Are you currently:

1. Employed for wages
2. Self-employed
3. Out of work for more than 1 year
4. Out of work for less than 1 year
5. A homemaker
6. A student
7. Retired
8. Unable to work
9. Refused

I am going to read some income categories, please stop me when I get to the one that best describes your total 2003 household income BEFORE taxes.

1. Less than \$10,000
2. Between \$10 and \$15,000
3. Between \$15 and \$20,000
4. Between \$20 and \$25,000
5. Between \$25 and \$35,000
6. Between \$35 and \$50,000
7. Between \$50 and 75,000
8. Over \$75,000 or more
9. Don't Know/Not Sure
10. Refused

Do you have access to the Internet at home, work, or school?

1. Yes
2. No
3. Don't know
4. Refused

Do you know how to obtain medical information from the Internet?

1. Yes
2. No
3. Don't know
4. Refused

If you wanted to obtain medical information from the Internet in the future, is there someone you know who could help you get it?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

**Child Risk Factors**

During the past year, how often did your children wear a bicycle helmet when riding a bicycle? Would you say:

1. Always
2. Nearly Always
3. Sometimes
4. Seldom
5. Never
6. Don't know/Not sure
7. Never rides a bicycle
8. Refused

During the past year, how often did your children wear a seatbelt or ride in a child seat when riding in a car? Would you say:

1. Never,
2. Rarely,
3. Sometimes, or
4. Most of the time (always)
5. Don't know/Not sure
6. Refused

Do your children get regular dental care?

1. Yes
2. No
3. Child is not old enough (baby)
4. Don't know
5. Refused

When was the last time you or someone else deliberately tested all of the smoke detectors in your home? **BRFSS Module**

1. No smoke detectors in home
2. Never
3. Within the past month (0 to 1 month ago)
4. Within the past 6 months (1 to 6 months ago)
5. Within the past year (6 to 12 months ago)
6. One or more years ago
7. Don't know/Not sure
8. Refused

***Female-specific Health Issues***

A mammogram is an x-ray of each breast to look for breast cancer. Have you ever had a mammogram? **BRFSS Module**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

How long has it been since you had your last mammogram? **BRFSS Module**

1. Within the past year (1 to 12 months ago)
2. Within the past 2 years (1 to 2 years ago)
3. Within the past 3 years (2 to 3 years ago)
4. Within the past 5 years (3 to 5 years ago)
5. 5 or more years ago
6. Don't know/Not sure
7. Refused

Was your last mammogram done as part of a routine checkup, because of a breast problem other than cancer, or because you've already had breast cancer?

1. Routine checkup
2. Breast problem other than cancer
3. Had breast cancer
4. Don't know/Not sure
5. Refused

A clinical breast exam is when a doctor, nurse, or other health care provider feels the breast for lumps. Have you ever had a clinical breast exam? **BRFSS Module**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

How long has it been since your last breast exam? **BRFSS Module**

1. Within the past year (1 to 12 months ago)
2. Within the past 2 years (1 to 2 years ago)
3. Within the past 3 years (2 to 3 years ago)
4. Within the past 5 years (3 to 5 years ago)
5. 5 or more years ago
6. Don't know/Not sure
7. Refused

Was your last breast exam done as part of a routine checkup, because of a breast problem other than cancer, or because you've already had breast cancer?

1. Routine Checkup
2. Breast problem other than cancer
3. Had breast cancer
4. Don't know/Not sure
5. Refused

A pap smear is a test for cancer of the cervix. Have you ever had a pap smear? **BRFSS Module**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

How long has it been since you had your last Pap smear? **BRFSS Module**

1. Within the past year (1 to 12 months ago)
2. Within the past 2 years (1 to 2 years ago)
3. Within the past 3 years (2 to 3 years ago)
4. Within the past 5 years (3 to 5 years ago)
5. 5 or more years ago
6. Don't know/Not sure
7. Refused

To your knowledge, are you now pregnant? **BRFSS**

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Are you smoking cigarettes during this pregnancy?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Are you drinking any alcoholic beverages during this pregnancy?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

Are you getting regular prenatal care during this pregnancy?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

How many months were you pregnant when you began getting prenatal care?

Is the place where you are getting prenatal care a:

1. Doctor's office or private clinic
2. Community, rural, or family health center
3. County health department
4. Hospital outpatient clinic
5. School health clinic
6. Private home
7. Other:
8. Don't know/Not sure
9. Refused

**Male-specific Health Issues**

A Prostate-specific Antigen test, also called a PSA test, is a blood test used to check men for prostate cancer. Have you ever had a PSA test? BRFSS Module .le

1. Yes
2. No
3. Don't Know/Not Sure
4. Refused

How long has it been since you had your last PSA test? BRFSS Module

1. Within the past year (anytime less than 12 months ago)
2. Within the past 2 years (1 to 2 years ago)
3. Within the past 3 years (2 to 3 years ago)
4. Within the past 5 years (3 to 5 years ago)
5. 5 or more years ago
6. Don't Know/Remember
7. Refused

A digital rectal exam?

1. Yes
2. No
3. Don't know/Not sure
4. Refused

About how long has it been since you last had a testicular exam?

1. Never have had one
2. Within the past 6 months (1 to 6 months ago)
3. Within the past year (6 to 12 months ago)
4. Within the past 2 years (1 to 2 years ago)
5. Within the past 5 years (2 to 5 years ago)
6. 5 or more years ago
7. Don't know/Not sure
8. Refused



## Appendix B: Description of BRFSS and NHIS

<b>Behavioral Risk Factor Surveillance System (BRFSS)<sup>20</sup></b>	
<b>Sponsor</b>	U.S. Department of Health and Human Services, Centers for Disease Control and Prevention (CDC), National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP).
<b>Mode of Administration</b>	Telephone interview.
<b>Survey Sample Design</b>	Data collection is conducted separately by each state. Sample design uses state-level, random-digit-dialed probability samples of the adult (aged 18 years and over) population. Most states currently use disproportionate random sampling methods. Increasing state participation over time, with 15 states in 1984 and all 50 states and the District of Columbia since 1994. In 1998, state-specific sample sizes ranged from 1,499 to 6,005. The median sample size was 2,648.
<b>Response Rates</b>	State response rates vary from year to year. In 1998, upper-bound response rates ranged from 45 to 95 percent (median response rate: 73 percent).
<b>Primary Survey Content</b>	The survey consists of a core of questions asked in all states, standardized optional questions on selected topics that are administered at the state's discretion, a rotating core of questions asked every other year in all states, and state-added questions developed to address state-specific needs. Questions cover behavioral risk factors (for example, alcohol and tobacco use), preventive health measures, HIV/AIDS, health status, limitation of activity, and health care access and utilization.
<b>Population Targeted</b>	Civilian, noninstitutionalized population 18 years of age and older who reside in households with telephones.
<b>Demographic Data</b>	Gender, age, educational attainment, race/ethnicity, household income, employment status, and marital status.
<b>Years Collected</b>	Annually since 1984
<b>Schedule</b>	Annual
<b>Geographic Estimates</b>	National; state; smaller area estimates possible in some states
<b>Notes</b>	The BRFSS is a partnership between State Health Departments and CDC; CDC provides about one-half of the financial resources for states to use for data collection efforts. States have substantial input on questions used by all states through the BRFSS. Many Healthy People objectives are tracked with questions that are asked every other year or are optional. Persons who do not have telephones or have telephones but are either in institutional settings or cannot be understood over the telephone are excluded.

<sup>20</sup> Tables provided by *Healthy People 2010*,  
[http://www.health.gov/healthypeople/document/html/tracking/THP\\_PartC.htm](http://www.health.gov/healthypeople/document/html/tracking/THP_PartC.htm)

<b>National Health Interview Survey (NHIS)</b>	
<b>Sponsor</b>	U.S. Department of Health and Human Services, Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS).
<b>Mode of Administration</b>	Personal interview in households using computer-assisted personal interviewing (CAPI), administered by professional interviewers, and conducted in English and Spanish (for CAPI, Spanish version was initiated in mid-1998).
<b>Survey Sample Design</b>	The NHIS uses a stratified multistage probability design that permits a continuous sampling of 358 primary sampling units (PSUs), with over-sampling of African Americans and Hispanics. A typical NHIS sample for the data collection years 1995–2004 consists of approximately 7,000 second-stage units (segments) within a PSU. The expected sample of 43,000 occupied respondent households yields a probability sample of about 111,000 persons. The survey is designed so that the sample scheduled for each week is representative of the target population and the weekly samples are additive over time.
<b>Response Rates</b>	Response rates for the basic NHIS core questionnaire have ranged from 91 to 96 percent over the years, with rates of sample person components generally ranging from 85 to 90 percent of eligible respondents. Response rates for special health topics (supplements) have generally also been in this lower range. The effect, if any, of the new CAPI technology is not yet known.
<b>Primary Survey Content</b>	Information is obtained on demographic characteristics, illnesses, injuries, impairments, chronic conditions, utilization of health resources, health insurance, and other health topics. The core household interview asks about everyone in the household. Additional questions are asked of one sample adult and one sample child (under 18 years) per family in the household. The sample adult questionnaire includes chronic health conditions and limitations in activity, health behaviors, health care access, health care provider contacts, immunizations, and AIDS knowledge and attitudes. The sample child questionnaire includes questions about chronic health conditions, limitation of activities, health status, behavior problems, health care access and utilization, and immunizations. Child data are proxy-reported by a parent or other knowledgeable adult respondent. Adult sample person data are all self-reported. Special modules are fielded periodically, and cover areas such as cancer, prevention, and disability.
<b>Population Targeted</b>	Civilian noninstitutionalized population residing in the United States, all ages
<b>Demographic Data</b>	Gender, age, race/Hispanic ethnicity, education, income, marital status, place of birth, industry, and occupation
<b>Years Collected</b>	Continuously since 1957 - Current sample design began in 1995; current questionnaire design began in 1997
<b>Schedule</b>	Annual
<b>Geographic Estimates</b>	National; four U.S. Census Bureau regions; some of the 10 HHS regions, some states; metropolitan and nonmetropolitan areas

## Appendix C: Data Resources for Policy Makers

### BRFSS

<http://www.cdc.gov/nccdphp/brfss/>

### Community Health Status Indicators Web Site

[www.communityhealth.hrsa.gov/](http://www.communityhealth.hrsa.gov/)

### Healthfinder - the Federal Gateway to Health Information

[www.healthfinder.gov](http://www.healthfinder.gov)

### Healthy People 2010

<http://www.health.gov/healthypeople/>

### Mississippi State Department of Health

<http://www.msdh.state.ms.us/tobacco/inde.htm>

Ritchie, J. et al. (2001). *North Mississippi Health Services Community Health Assessment: Sociodemographic and Health Indicators*. A report of the Social Science Research Center, Mississippi State University.

### State Profile of Mississippi

[stateprofiles.hrsa.gov/1999/MS199901SP.htm](http://stateprofiles.hrsa.gov/1999/MS199901SP.htm)

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