Applying the Healthy People 2010 Framework to a Hospital-Based Community Health Assessment

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Project Background

• Partnership of university and hospital-based researchers

• Rural Health Safety and Security Institute, Social Science Research Center, Mississippi State University

• NMHS catchment area: over 650,000 people in 22 counties through northeast Mississippi and northwest Alabama
Purpose of Project

• An assessment of the health status, utilization of health services, health beliefs, and satisfaction with health care services

• Information on health behaviors and beliefs that direct and guide actions

• A yardstick with which future programs may be evaluated
Healthy People 2010 Framework

• Allows comparisons of NMHS service area to Mississippi and the Nation

• National commitment to 2010 objectives

• Common cornerstone for planning and evaluation with federal agencies
Methods

• A random-digit-dialing telephone survey collected primary data from adults in the NMHS catchments area during the Spring of 2001

• The BRFSS provided state-level estimates and national medians

• Application of state and national secondary data to provide context for survey findings
<table>
<thead>
<tr>
<th>Sample Characteristics</th>
<th>NMHS Area</th>
<th>Lee County</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>813</td>
<td>405</td>
</tr>
<tr>
<td>Males (48%) &amp; Females (52%)</td>
<td></td>
<td>Males (48%) &amp; Females (52%)</td>
</tr>
<tr>
<td>White (73%) &amp; Black (25%)</td>
<td></td>
<td>White (74%) &amp; Black (23%)</td>
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</tbody>
</table>
Results

- Healthy People 2010, 10 Leading Health Indicators
- Risk Factors
- Clinical Prevention Screenings
- Health Status
- Access to Health Care
- Satisfaction with Health Care
- Health Communication
- Community Involvement
- Sex Specific Health Issues
Ten Leading Health Indicators
1. Physical Activity
Exercised for at least 20 minutes, 5 or more times in the past week

- NMHS Area: 25.7
- Lee County: 22.7
- Target: 30.0

SSRC
NORTH MISSISSIPPI HEALTH SERVICES
2. Obesity
BMI is greater than 29.9

- NMHS Area: 26.8
- Lee County: 23.8
- Mississippi: 23.2
- U.S.: 19.8
- 2010 Target: 15.0
3. Tobacco use
Adult Current Smokers

NMHS Area
Lee County
Mississippi
U.S.
2010 Target

25.0
24.7
22.9
22.6
12.0

SSRC
NORTH MISSISSIPPI HEALTH SERVICES
4. Substance Use
Adult Binge Drinkers

- NMHS Area: 13.8
- Lee County: 12.1
- Mississippi: 32.0
- U.S.: 28.3
- 2010 Target: 6.0
5. Responsible Sexual Behavior

No measures
6. Mental Health

Measure not compatible with Leading Health Indicator
7. Injury and Violence

Motor Vehicle Injuries, 1993-97

<table>
<thead>
<tr>
<th></th>
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<th>Lee County</th>
<th>Mississippi</th>
<th>U.S.</th>
<th>2010 Target</th>
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<tbody>
<tr>
<td>1993-97</td>
<td>42.1</td>
<td>29.3</td>
<td>39.6</td>
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7. Injury and Violence
Homicide, 1993-97

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<th>U.S.</th>
<th>2010 Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Injuries/100,000</td>
<td>10.8</td>
<td>8.9</td>
<td>16.6</td>
<td>3.2</td>
<td>3.2</td>
</tr>
</tbody>
</table>
8. Environmental Quality

No Measures
9. Immunization
Adults ages 65 or older who received influenza vaccination

- NMHS Area: 90.0
- Lee County: 37.8
- Mississippi: 31.0
- U.S.: 31.3
- 2010 Target: 90.0
9. Immunization

Adults ages 65 or older who received pneumonia vaccination

- NMHS Area: 22.3
- Lee County: 20.6
- Mississippi: 18.8
- U.S.: 18.4
- 2010 Target: 90.0
10. Access to Health Care
Adults without Health Care

- NMHS Area: 16.0
- Lee County: 17.3
- Mississippi: 17.1
- U.S.: 12.4
- 2010 Target: 0.0
The NMHS Catchment Area Compared to Mississippi and the Nation
A Step Behind

- Poor overall health status
- Adults who report that they could not afford health care
- Overweight adults & obese adults
- Bicycle helmet use among children
- Dental visit in the past year
- Blood stool test in the past year
- Breast exam in the past year
- Pap smear in the past year
A Step Ahead

- Adult smokers who have attempted to quit within the past year
- Binge drinking in the past month
Applications of These Data

• Snapshot of the catchments area

• Identify priority areas, as well as community resources that can be tapped to address these areas

• Starting place for developing strategies for health improvement