North Central Health District (NCHD) Background

North Central Health District
2013 Population Census Estimates

- Jasper: POP: 13,601
- Putnam: POP: 21,371
- Hancock: POP: 8,879
- Monroe: POP: 28,984
- Jones: POP: 28,589
- Baldwin: POP: 46,039
- Washington: POP: 20,676
- Bibb: POP: 154,721
- Crawford: POP: 12,504
- Peach: POP: 27,014
- Houston: POP: 147,658
- Twiggs: POP: 8,481

Total District Population: 525,929
North Central Health District (NCHD) Background

Mission Statement

The goal of the NCHD is optimal health for all Georgians and also strives to prevent diseases, promote health and protect communities against health threats.
North Central Health District (NCHD) Background

Services Provided

- Family Planning
- Immunizations
- Infectious Disease
  - STI/STD
  - TB
- Epidemiology
- WIC
- Breast Test & More
- Dental

- For Children:
  - Children First
  - Babies Cant Wait
  - Children’s Medical Services
  - Hearing Screening
  - School based flu

- Environmental Health
  - Wells, Septic, Pools, Food Service Inspections, Subdivisions, Rabies, Lead, Tourist Accommodations, and Tattoo Parlors

We Protect Lives.
Job Responsibilities

**Intern Contract**
- 17 items listed
  - Confidentiality agreement
  - Regular attendance and availability schedule
  - Dressing and acting professionally
  - Phone call scripts
  - Providing good quality work in a timely manner

**Supervisor Contract**
- 10 items listed
  - Notifying interns of their availability
  - Accommodating interests of the interns when time permits and opportunities arise
  - Providing clear instructions
Project Relevance

1. Accreditation
2. Databases
3. Workshops
4. Disease Surveillance
5. Miscellaneous
1. Accreditation

Health Status Reports

- provide quantitative data on a broad array of health indicators, including quality of life, behavioral risk factors, and other measures that reflect a broad definition of health.
Peach County Overview

### Demographic Characteristics of Peach County Residents

#### General Characteristics
- **Total Population**: 27,695
- **Median age (years)**: 33.3
- **% Under 18 years**: 23%
- **% 18-64 years**: 66%
- **% ≥ 65 years**: 11%
- **% Male**: 48%
- **% Female**: 52%

#### Race/Ethnicity
- **% American Indian/Alaska Native**: 0.2%
- **% Asian**: 0.8%
- **% Black/African American**: 46%
- **% Native Hawaiian/Other Pacific Islander**: 0.0%
- **% White**: 48%
- **% Other Races**: 3.2%
- **% Two or More Races**: 1.6%
- **% Hispanic/Latino (of any race)**: 7%

#### Household Characteristics
- **Average Household Size**: 2.58
- **Average Family Size**: 3.07
- **Total Households**: 9,958
- **Family Households**: 69.6%
- **Nonfamily Households**: 30.4%
- **Family Households with Children (<18 years old)**: 2,888
- **Married Couple Households with Children**: 57%
- **Female Householder with Children**: 25%
- **Male Householder with Children**: 8%

### Economic Indicators

<table>
<thead>
<tr>
<th>Economic Indicator</th>
<th>Peach</th>
<th>Georgia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unemployment Rate, 2012</td>
<td>10.9</td>
<td>9.0</td>
</tr>
<tr>
<td>Median Household Income, 2010</td>
<td>$38,024</td>
<td>$46,252</td>
</tr>
<tr>
<td>% Population Employed 16 years and over</td>
<td>38%</td>
<td>44%</td>
</tr>
<tr>
<td>Children in poverty</td>
<td>36%</td>
<td>25%</td>
</tr>
<tr>
<td>% of Households with food Stamp/SNAP benefits in the past 12 months</td>
<td>19%</td>
<td>10%</td>
</tr>
</tbody>
</table>
Chronic Disease

Obesity

• In Peach County
  – 30% obese Adults
  – 29% of Adults report no leisure time physical activity.
  – 9% low-income and do not live close to a grocery store.
  – 50% of the restaurants are fast-food establishments.
  – 4 recreational facilities
  – 9% live within 1/2 mile of a park.
Leading Causes of Death

Age Adjusted Mortality Rates per 100,000 population due to Leading Causes of Cancer by Gender, 2007-2011

<table>
<thead>
<tr>
<th></th>
<th>Males</th>
<th>Peach</th>
<th>Georgia</th>
<th>Females</th>
<th>Peach</th>
<th>Georgia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lung Cancer</td>
<td>83.4</td>
<td>68.9</td>
<td></td>
<td>Lung Cancer</td>
<td>46.2</td>
<td>37.7</td>
</tr>
<tr>
<td>Prostate Cancer</td>
<td>23.8</td>
<td>25.5</td>
<td></td>
<td>Colon Cancer</td>
<td>19.4</td>
<td>13.6</td>
</tr>
<tr>
<td>Colon Cancer</td>
<td>20.3</td>
<td>19.6</td>
<td></td>
<td>Breast Cancer</td>
<td>14.9</td>
<td>23</td>
</tr>
<tr>
<td>Pancreatic Cancer</td>
<td>12.5</td>
<td>12.1</td>
<td></td>
<td>Pancreatic Cancer</td>
<td>13</td>
<td>9</td>
</tr>
<tr>
<td>Stomach Cancer</td>
<td>11.9</td>
<td>4.8</td>
<td></td>
<td>Stomach Cancer</td>
<td>8.8</td>
<td>2.7</td>
</tr>
</tbody>
</table>
Infectious Disease

Chlamydia

Gonorrhea

*Syphilis rates increased in 2010-11 in the 20-24 age group
Infectious Disease

HIV

Persons Living with HIV/AIDS by Age Group
Peach County, 2011

Persons Living with HIV/AIDS by Mode of Transmission
Peach County, 2011
2. Databases

- HIV
- Tuberculosis
- Syphilis
  - Submitted abstract for GPHA
3. Workshops

**Participated**
- Radiological preparedness
- Emergency shelter preparedness
- Foodborne outbreak training

**Helped set up**
- HIV Training
- Perinatal Workshop
  - Data statistics
## Perinatal Workshop Data

### Infant Deaths

<table>
<thead>
<tr>
<th>Year</th>
<th>Infant Deaths in North Central Health District from 2007-2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>99</td>
</tr>
<tr>
<td>2007</td>
<td>83</td>
</tr>
<tr>
<td>2008</td>
<td>73</td>
</tr>
<tr>
<td>2009</td>
<td>13</td>
</tr>
<tr>
<td>2010</td>
<td>14</td>
</tr>
<tr>
<td>2011</td>
<td>60</td>
</tr>
</tbody>
</table>

### Low Birth Weight Births

#### By Mother's Age

<table>
<thead>
<tr>
<th>Mother's Age in Years</th>
<th>Year</th>
<th>White Non-Hispanic</th>
<th>Black Non-Hispanic</th>
<th>Hispanic</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>age 10-17</td>
<td>2006</td>
<td>6</td>
<td>4</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>2007</td>
<td>7</td>
<td>5</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>2008</td>
<td>6</td>
<td>4</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>2009</td>
<td>7</td>
<td>5</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>2010</td>
<td>5</td>
<td>3</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>2011</td>
<td>6</td>
<td>4</td>
<td>2</td>
<td>6</td>
</tr>
</tbody>
</table>

#### By Race

<table>
<thead>
<tr>
<th>Race</th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>6</td>
<td>5</td>
<td>6</td>
<td>5</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Black</td>
<td>4</td>
<td>5</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Hispanic</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Other</td>
<td>6</td>
<td>7</td>
<td>6</td>
<td>7</td>
<td>7</td>
<td>6</td>
</tr>
</tbody>
</table>
Main Conference Room
4. Disease Surveillance

Lyme Disease

Rocky Mountain Spotted Fever

Data entered into SENDSS
5. Miscellaneous

- Ride-along for STD notification
- School flu project
- Georgia resource list
Methods Used

- Microsoft Office
- Databases: OASIS, SENDSS, and EPIinfo
- Taking initiative
- Being punctual
- Asking questions
- Details matter
- Network, Network, Network!
Suggestions for Improvement

- Provide students with a list of field sites
- During field experience course:
  - Internship etiquette seminar
  - Interview workshop
  - Resume workshop
Conclusion

I learned that..

- Hands-on experience is essential
- Networking is key
- Creating a reputation brings long term benefits
- I am passionate about epidemiology and public health from an administrative perspective
Thank you!