

OASIS Web Query Tool Tutorial

This tutorial is comprised of 5 examples, designed to show you the basics of using the Web Query.

- Example 1 Get Teen Pregnancy Rates for Georgia and Fulton County (4 pages).
- Example 2 How to compare the Infant Mortality Rate for a County with the State; How to multi-select options; and interpret the results (3 pages).
- Example 3 Determine whether people in their teenage years are at higher risk of Motor Vehicle Deaths as compared to people in their 20's, among rural counties only (4 pages).
- Example 4 How to save the Web Query Tool data table output to your computer, for use in Excel or other application (1 page).
- Example 5 How to interpret the % Within Area, % Within State, and % State Population indicators (4 pages).

Note on Definitions

Detailed Definitions are always available via the Definitions button. However, quick Definitions are also available as mouse-overs in any Oasis Web Query output, as shown below:



| 2004 | |
|--|----------------|
| DISCHARGES | DISCHARGE RATE |
| 1,637 | 287.1 |
| <div style="border: 1px solid black; padding: 5px; width: fit-content;"> The number of inpatients discharged from non-Federal acute-care inpatient facilities. Persons can be counted more than once if readmitted. </div> | |
| | 334.6 |
| | 90.2 |
| | 365.3 |
| 21 | 131.3 |

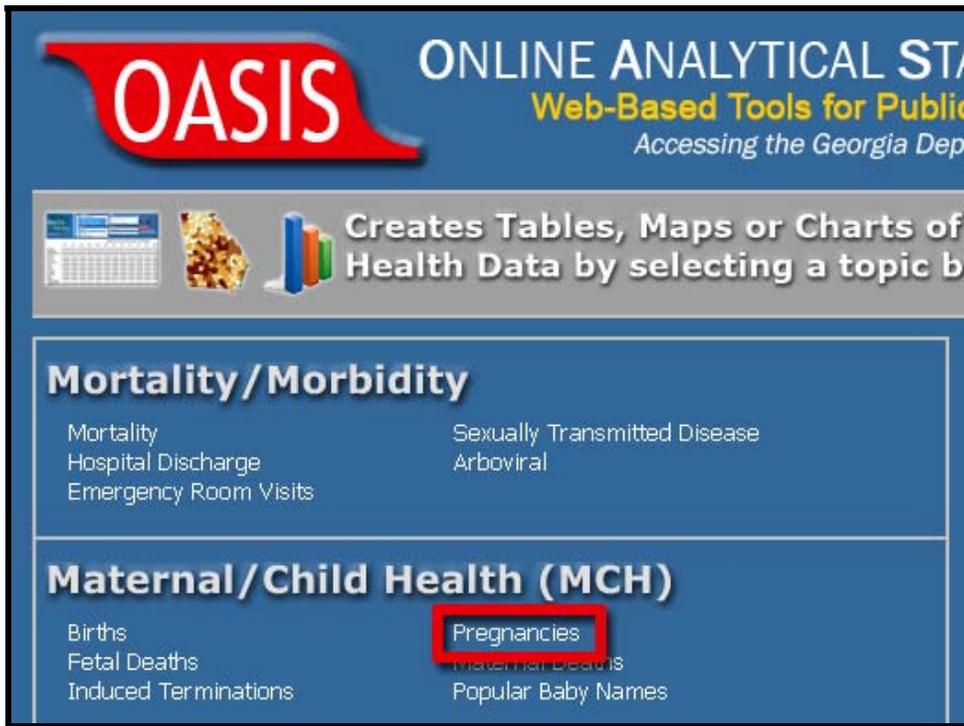
(The Online Analytical Statistical Information System (OASIS) is a suite of tools (Web Query, Mapping Tool, Animated Charting Tool, and M.I.N.E.R.) designed, built and maintained by the Office of Health Indicators for Planning (OHIP) which can be used to access the Georgia Department of Public Health's standardized health data repository).



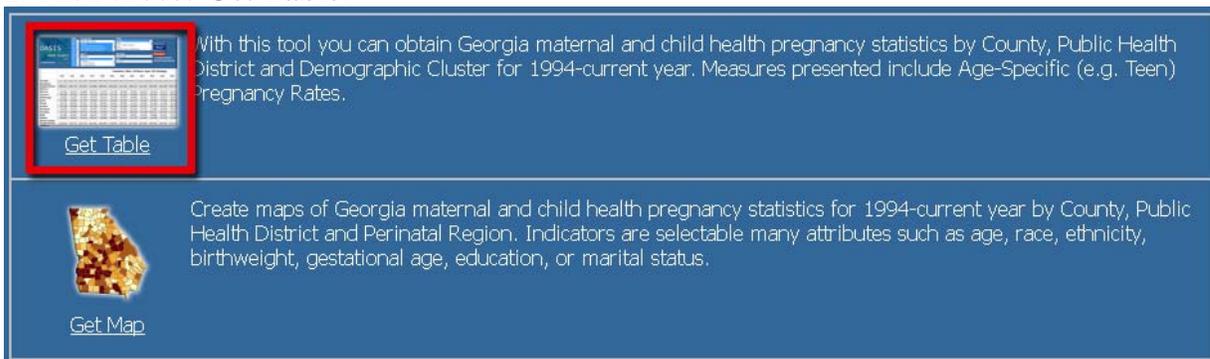
Example 1 - What you'll learn:

How to find the Teen Pregnancy Rates for Georgia and Fulton County, 2006-2008.

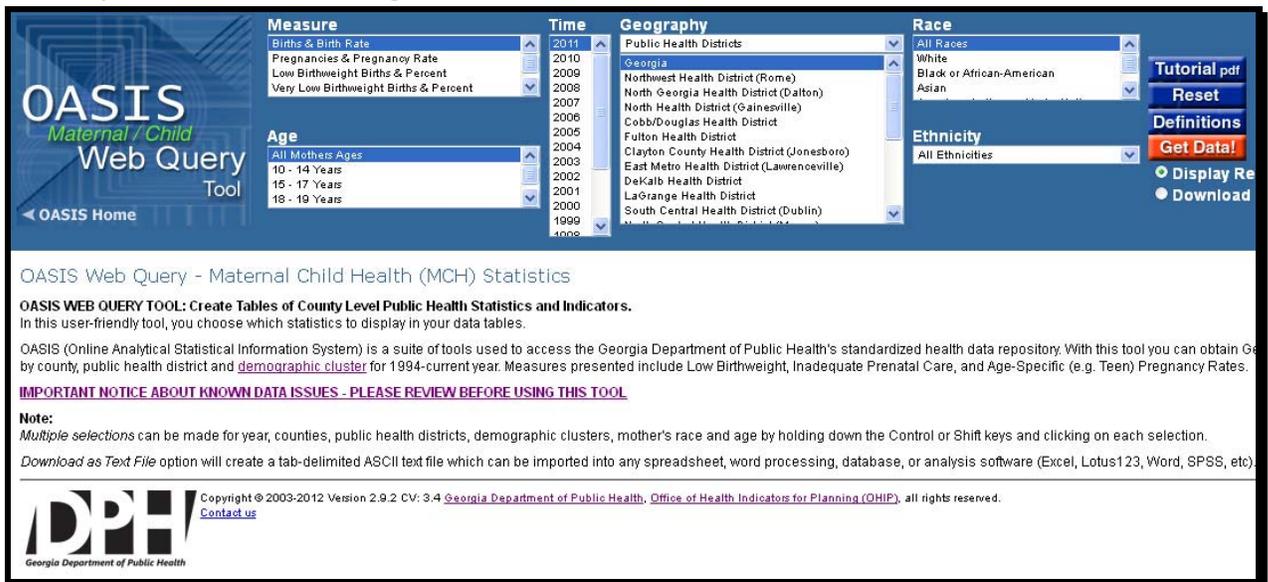
1. First, open <http://oasis.state.ga.us>. Once there, you'll see the screen shown below. Under **Maternal/Child Health (MCH)**, click on **Pregnancies**.



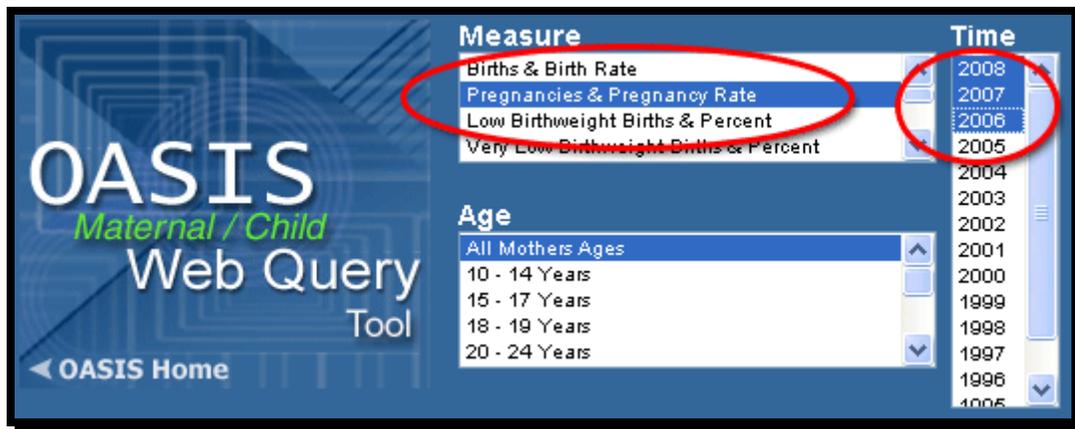
2. Then choose **Get Table**.



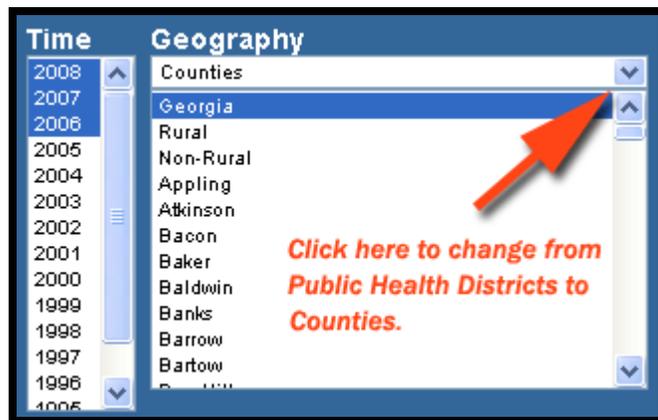
3. Now you'll see the following screen:



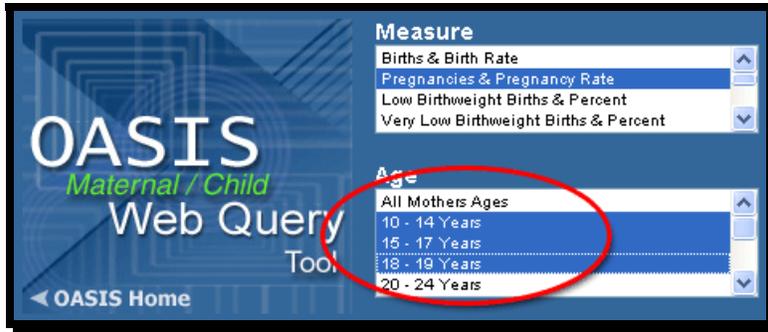
4. Choose your **Measure** and **Years** as shown below. Click on **Pregnancies and Pregnancy Rate**, and then the year 2008 and hold your mouse button down as you slide your mouse down to the year 2006. Doing so will highlight all years to display in the output.



5. Under **Geography**, change from **Public Health Districts** to **Counties**. Georgia is already highlighted, so scroll down until you see Fulton County. Hold down the Ctrl key (this will allow the Georgia selection to remain highlighted) and select Fulton.



6. In order to choose an age group for teenagers, go to the **Age** box. Click on 10-14 and while holding down the mouse button, drag the mouse down to the 18 – 19 year age group. This will select years 10-19.



7. Now you're ready to display results. Click **Get Data!**. For **definitions** on the difference between birth rate, pregnancy rate, general fertility rate, general pregnancy rate, etc, select the **Definitions** button (shown below).

| | 2006 | | 2007 | | 2008 | | SELECTED YEARS TOTAL | |
|----------------|-------------|----------------|-------------|----------------|-------------|----------------|----------------------|----------------|
| | PREGNANCIES | PREGNANCY RATE | PREGNANCIES | PREGNANCY RATE | PREGNANCIES | PREGNANCY RATE | PREGNANCIES | PREGNANCY RATE |
| Georgia | 22,561 | 34.4 | 23,285 | 34.8 | 22,652 | 33.5 | 68,498 | 34.2 |
| Fulton | 1,886 | 33.4 | 2,023 | 34.8 | 2,119 | 35.9 | 6,028 | 34.7 |
| County Summary | 1,886 | 33.4 | 2,023 | 34.8 | 2,119 | 35.9 | 6,028 | 34.7 |

Rates based on 1-4 events are not shown and indicated by an *
N/A Rates indicate that no population exists for the query selected

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8. Another way to get definitions: If you hover your mouse over a column heading, a 'mouseover' will appear with a short definition of the term.

Pregnancies & Pregnancy Rate

| 2006 | | 2007 | |
|-------------|----------------|-------------|----------------|
| PREGNANCIES | PREGNANCY RATE | PREGNANCIES | PREGNANCY RATE |
| 22,561 | 34.5 | 23,285 | 34.8 |
| 1,886 | 33.4 | 2,023 | 34.8 |
| 1,886 | 33.4 | 2,023 | 34.8 |

PREGNANCIES include live births, fetal deaths and induced terminations. For example, a pregnancy resulting in the delivery of twins is counted as one pregnancy.

shown and indicated by an *
n exists for the query selected.

9. Here is an example of how to interpret the results:

Time: 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000, 1999, 1998, 1997

Geography: Counties, Georgia, Rural, Non-Rural, Appling, Atkinson, Bacon, Baker, Baldwin, Banks, Barrow, Bartow, ...

Race: All Races, White, Black or African-American, Asian, ...

Ethnicity: All Ethnicities

SELECTED YEARS TOTAL: For the 3 years combined, there were 68,498 pregnancies to females aged 10-19 in Georgia.

Pregnancies & Pregnancy Rate, Race: All Races, Ages: 10-19

| AGE | 2007 | | 2008 | | SELECTED YEARS TOTAL | |
|------|-------------|----------------|-------------|----------------|----------------------|----------------|
| | PREGNANCIES | PREGNANCY RATE | PREGNANCIES | PREGNANCY RATE | PREGNANCIES | PREGNANCY RATE |
| 34.4 | 23,285 | 34.8 | 22,652 | 33.5 | 68,498 | 34.2 |
| 33.4 | 2,023 | 34.8 | 2,119 | 35.9 | 6,028 | 34.7 |
| 33.4 | 2,023 | 34.8 | 2,119 | 35.9 | 6,028 | 34.7 |

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For the time period 2006-2008, the rate in Georgia was 34.2 Pregnancies per 1,000 females aged 10-19, and 34.7 in Fulton County.

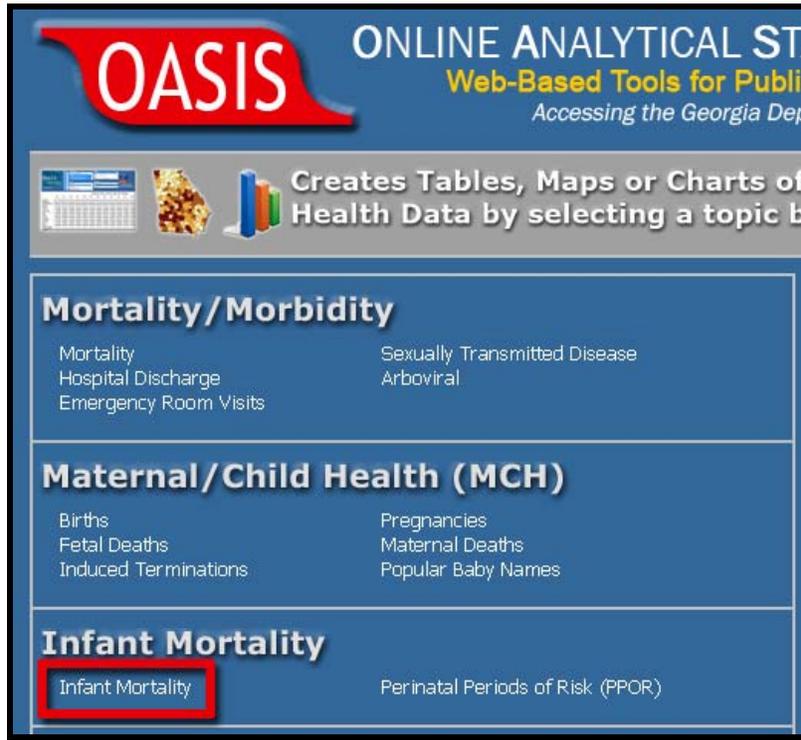
You now have the Age-Specific Pregnancy Rate for Ages 10-19, for years 2006-2008 in Georgia and Fulton County.

End of Web Query Example 1

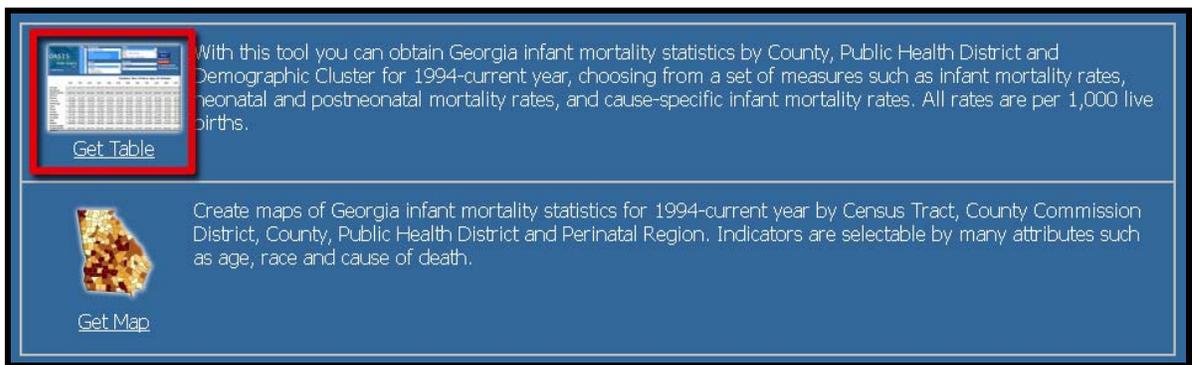
Example 2 - What you'll learn:

How to find the Infant Mortality Rate for Appling County and compare it with Georgia.

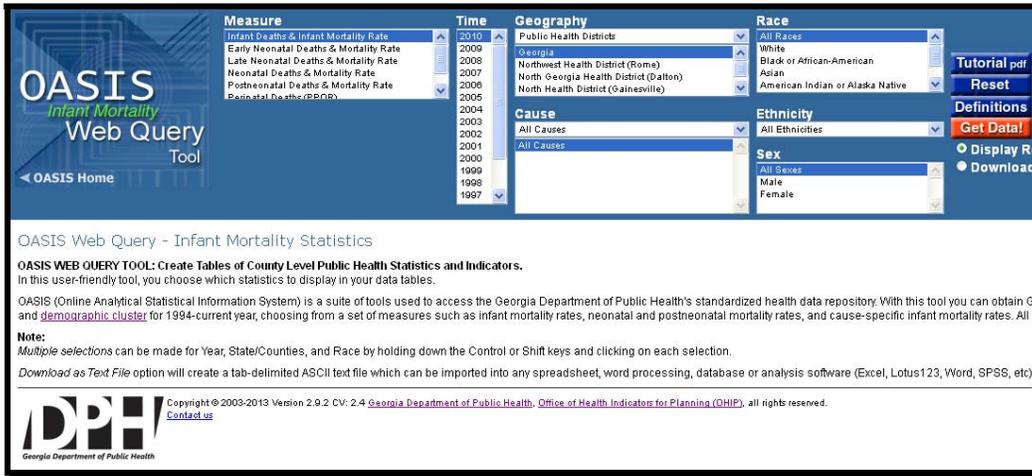
1. From the OASIS homepage <http://oasis.state.ga.us> select the **Infant Mortality** link:



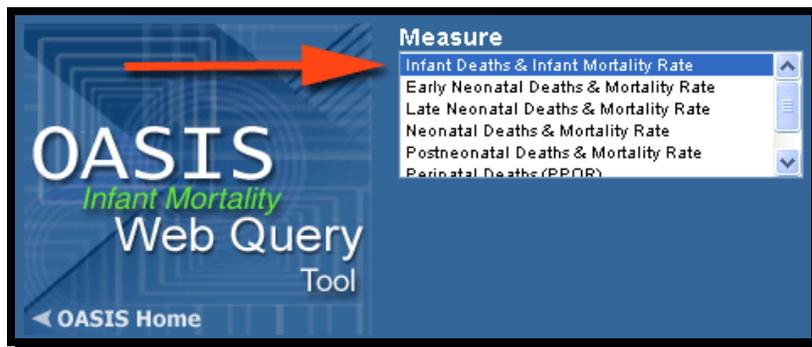
2. Select **Get Table**:



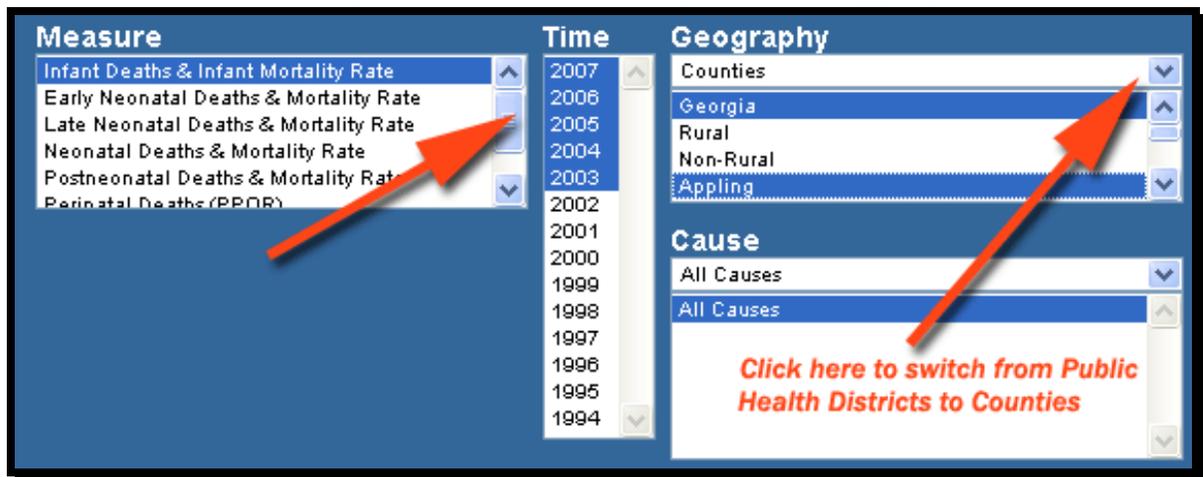
3. You'll see the screen below:



4. First, choose the **Measure** (Infant Deaths & Infant Mortality Rate).

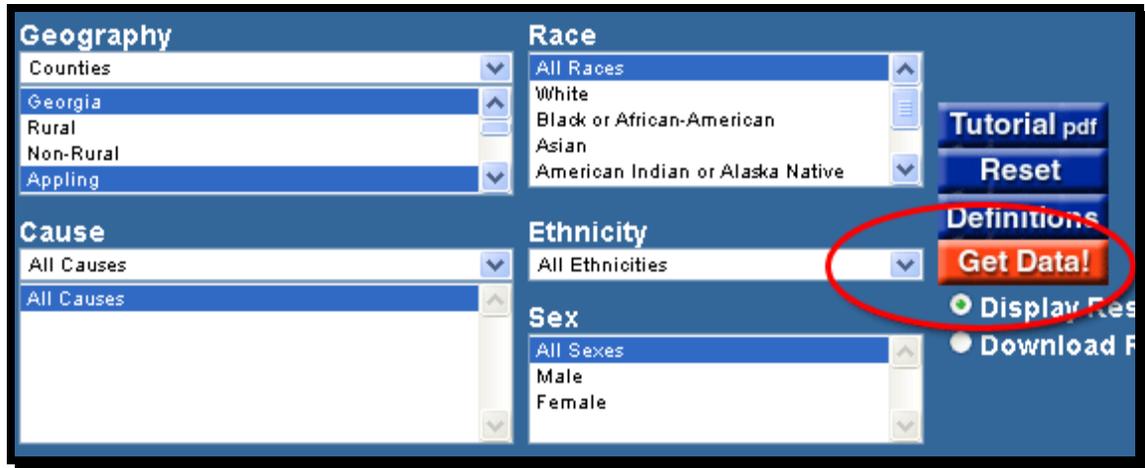


5. Choose years under **Time**. To multi-select years: click on 2007, keep your mouse button held down, and drag your mouse down to 2003. Or, hold down the Ctrl key to make selections. Under **Geography**, first change from **Public Health Districts** to **Counties**. Then click Georgia, hold down the Ctrl key, and click Appling.



Other choices (Race, Ethnicity, or particular Causes of Death (e.g. SIDS)) are available.

6. To get your data result, click **Get Data** as shown below:



7. You'll see the following table:

OASIS Infant Mortality Web Query Tool

Measure: Infant Deaths & Infant Mortality Rate
 Time: 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000, 1999, 1998, 1997

Geography: Georgia, Rural, Non-Rural, Appling
 Race: All Races, White, Black or African-American, Asian, American Indian or Alaska Native
 Cause: All Causes
 Ethnicity: All Ethnicities
 Sex: All Sexes, Male, Female

Infant Deaths & Infant Mortality Rate (IMR), All Causes, Race: All Races

| | 2003 | | | | | 2004 | | | | | 2005 | | | | | 2006 | | | | |
|----------------|--------|-----|---------------|----------------|-----------------------|--------|-----|---------------|----------------|-----------------------|--------|-----|---------------|----------------|-----------------------|--------|-----|---------------|----------------|-----------------------|
| | DEATHS | IMR | % WITHIN AREA | % WITHIN STATE | % BIRTHS WITHIN STATE | DEATHS | IMR | % WITHIN AREA | % WITHIN STATE | % BIRTHS WITHIN STATE | DEATHS | IMR | % WITHIN AREA | % WITHIN STATE | % BIRTHS WITHIN STATE | DEATHS | IMR | % WITHIN AREA | % WITHIN STATE | % BIRTHS WITHIN STATE |
| Georgia | 1,153 | 8.5 | 100.0 | 100.0 | 100.0 | 1,179 | 8.5 | 100.0 | 100.0 | 100.0 | 1,124 | 8.0 | 100.0 | 100.0 | 100.0 | 1,198 | 8.1 | 100.0 | 100.0 | 100.0 |
| Appling | 4 | * | * | * | 0.2 | 4 | * | * | * | 0.2 | 3 | * | * | * | 0.2 | 4 | * | * | * | 0.2 |
| County Summary | 4 | * | * | * | 0.2 | 4 | * | * | * | 0.2 | 3 | * | * | * | 0.2 | 4 | * | * | * | 0.2 |

Rates based on 1-4 events are not shown and indicated by an *

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You may need to scroll over to the right to see the end of the table.

8. Below shows how to interpret the output table on a zoomed-in portion:

Data!
 Display Results
 Download Results

SELECTED YEARS TOTAL: 5,852 Infant Deaths in Georgia is the aggregate of years 2003-2007.

IMR (Infant Mortality Rate): 8.2 Infant Deaths per 1,000 Live Births, 2003-2007, Georgia.

| 2007 | | | | | SELECTED YEARS TOTAL | | | | |
|--------|-----|---------------|----------------|-----------------------|----------------------|------|---------------|----------------|-----------------------|
| DEATHS | IMR | % WITHIN AREA | % WITHIN STATE | % BIRTHS WITHIN STATE | DEATHS | IMR | % WITHIN AREA | % WITHIN STATE | % BIRTHS WITHIN STATE |
| 1,198 | 7.9 | 100.0 | 100.0 | 100.0 | 5,852 | 8.2 | 100.0 | 100.0 | 100.0 |
| 2 | * | * | * | 0.2 | 17 | 12.2 | 100.0 | 0.3 | 100.0 |
| 2 | * | * | * | 0.2 | 17 | 12.2 | 100.0 | 0.3 | 100.0 |

Infant Mortality Rate of 12.2 for Appling County, 2003-2007.

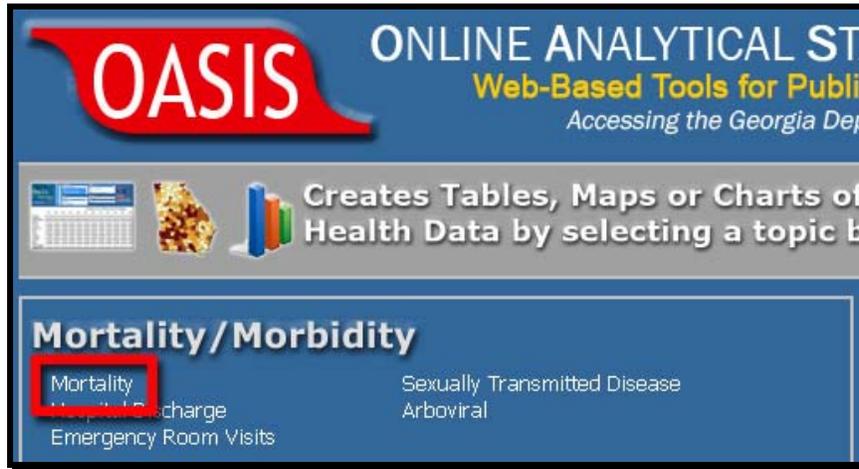
Note that some Rate cells are filled with an asterisk (*). This happens when there are less than 5 events (infant deaths in this case), to prevent unstable/unreliable rates.

You now are able to compare Infant Mortality Numbers and Rates by Year for years 2003-2007, as well as the aggregate of years 2003-2007 together, for Georgia and Appling County.

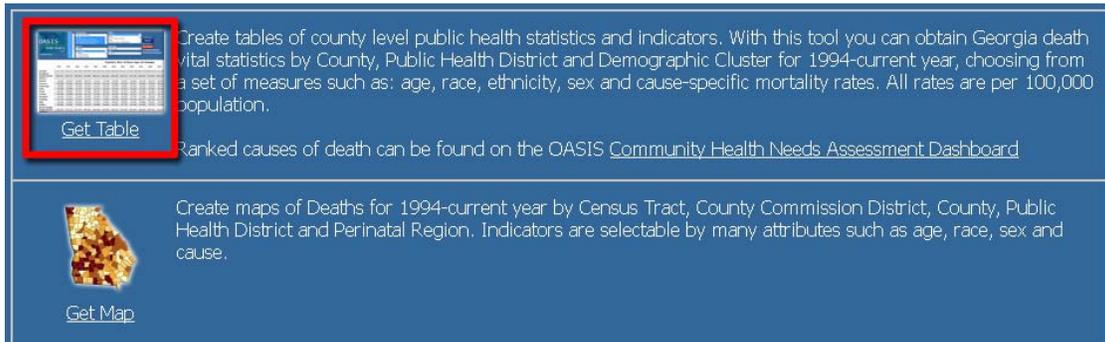
End of Web Query Example 2

Example 3 - What you'll learn: Do teens have a higher rate of Motor Vehicle Crash deaths as compared to people in their 20's, amongst rural counties only?

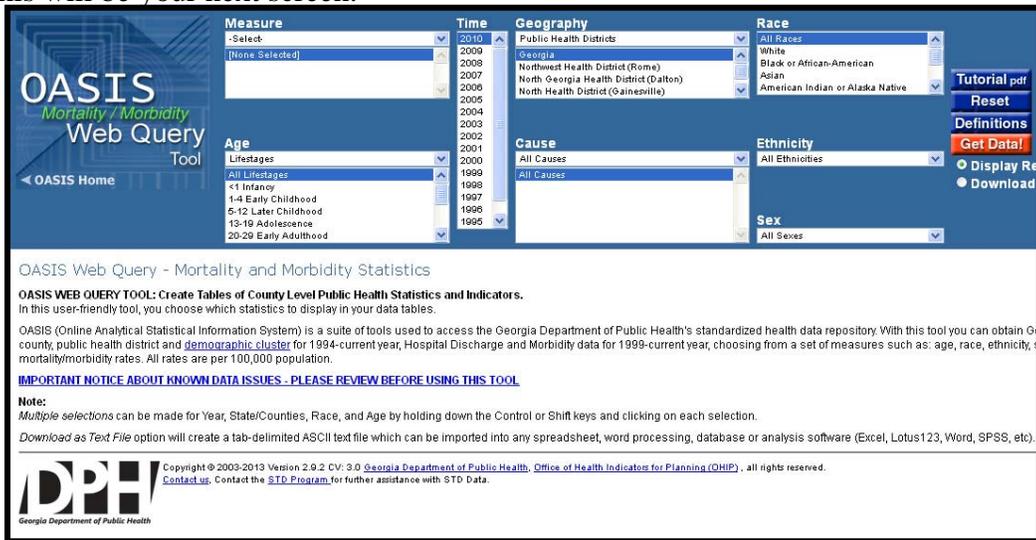
1. Go to OASIS' homepage, <http://oasis.state.ga.us>. Once there, you'll see the screen shown below. Click the **Mortality** link:



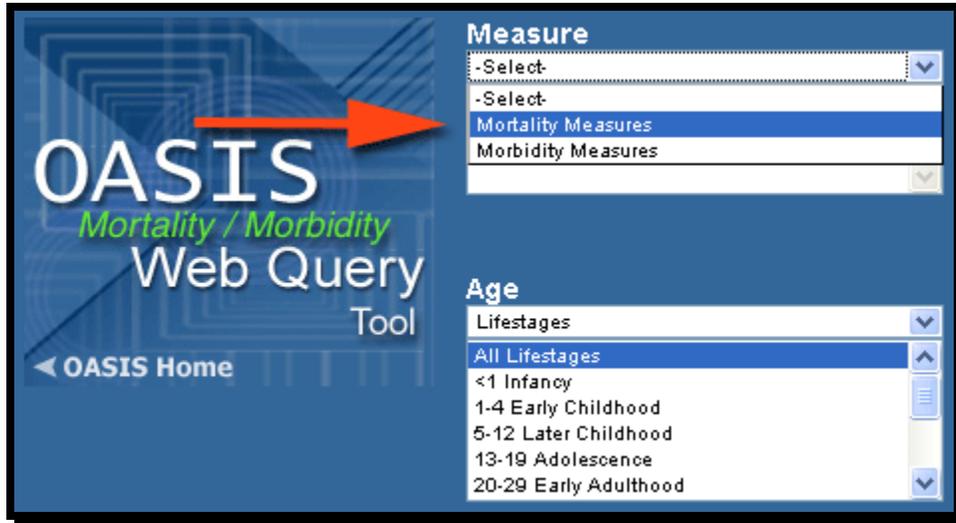
2. Choose **Get Table**:



3. This will be your next screen:



4. First, note that you must select from **Mortality Measures** or **Morbidity Measures**. It's usually a good idea to choose your measure first before the other choices (Years, Race, etc.) Choose **Mortality Measures** and the available choices appear...

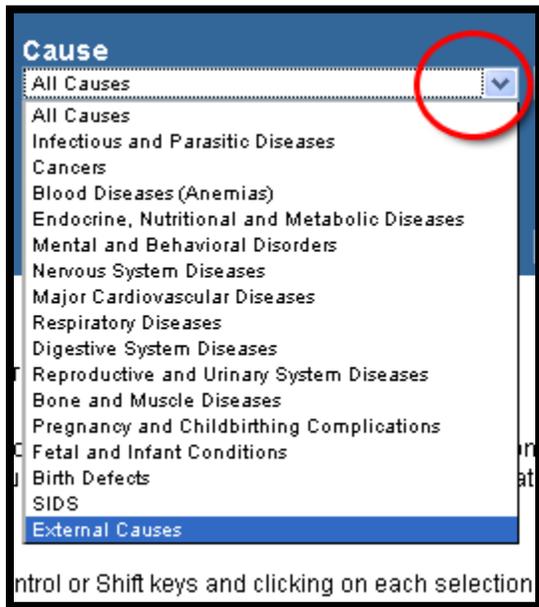


5. Below, you have four **Measures** to choose from. **Years of Potential Life Lost, Age-Adjusted Death Rates, and Standard Mortality Ratios**, in addition to 'crude' death rates (Definitions provided if you click 'Definitions'). Choose **Deaths & Death Rate**.

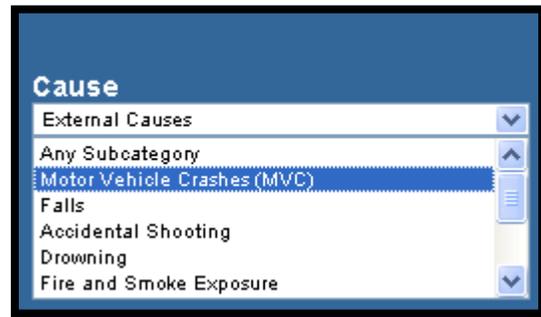


6. Next, choose **Motor Vehicle Accidents** from **External Causes** in the **Cause** list. This is a 2-step process where you choose the 'parent' first (External Causes) and then the 'child' (Motor Vehicle Crashes).

STEP ONE

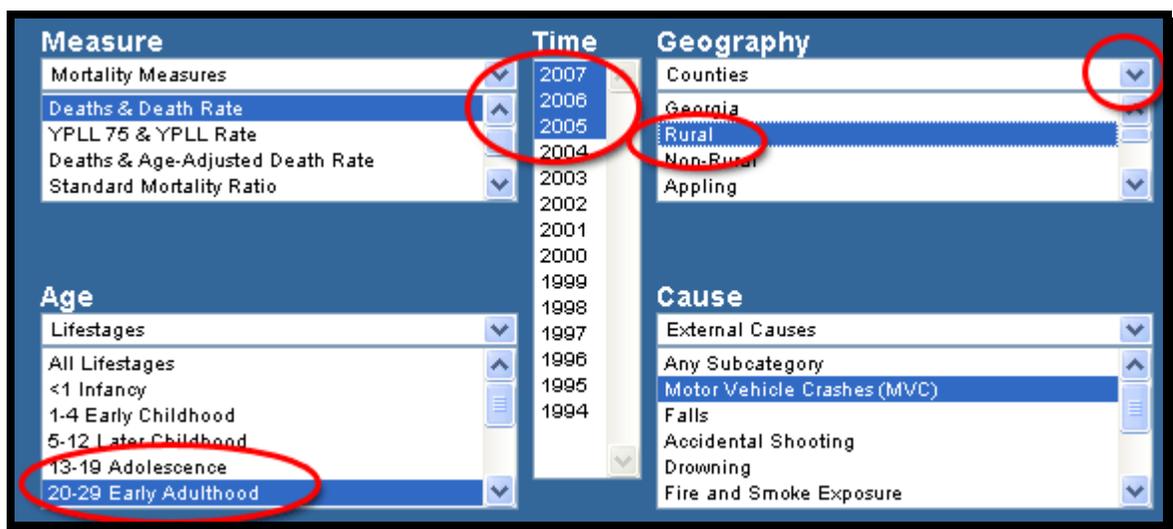


STEP TWO



(A complete list of all cause categories, including their ICD9 / ICD10 codes, official and 'layman' terms, is found when you click the Definitions button).

7. Then select the remaining criteria below: **Age** - choose just the early adulthood age group (20-29) – we'll repeat this with teenagers later for comparison. **Time** – choose 2005-2007. **Geography** - Rural counties chosen. *When Geography is switched from Public Health Districts to Counties –you have the choice of Rural or Non-Rural counties.*



Get Data!

8. With all your criteria selected, click **Get Data!**. Your result will look something like below (the list of counties below is truncated to fit on one screen). The **SELECTED YEARS TOTAL** rate for this age group in rural counties is 44.9 (see Definitions for explaining what 'rural' is).

| Deaths & Death Rate, Motor Vehicle Crashes (MVC), Race: All Races, Ages: 20-29 Early Adulthood | | | | | | | | |
|--|--------|------------|--------|------------|--------|------------|----------------------|------------|
| | 2005 | | 2006 | | 2007 | | SELECTED YEARS TOTAL | |
| | DEATHS | DEATH RATE | DEATHS | DEATH RATE | DEATHS | DEATH RATE | DEATHS | DEATH RATE |
| Appling | 1 | * | 3 | * | 1 | * | 5 | 76.6 |
| Atkinson | 3 | * | 0 | 0.0 | 1 | * | 4 | * |
| Bacon | 2 | * | 1 | * | 2 | * | 5 | 110.5 |
| Baker | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| | | | | | | | | |
| Wheeler | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| White | 3 | * | 0 | 0.0 | 1 | * | 4 | * |
| Wilcox | 0 | 0.0 | 0 | 0.0 | 1 | * | 1 | * |
| Wilkes | 1 | * | 0 | 0.0 | 2 | * | 3 | * |
| Wilkinson | 0 | 0.0 | 0 | 0.0 | 1 | * | 1 | * |
| Worth | 0 | 0.0 | 1 | * | 1 | * | 2 | * |
| County Summary | 82 | 39.2 | 95 | 44.6 | 109 | 50.9 | 286 | 44.9 |

9. To answer the rest of the question – how do teens compare with the 20-29 age group's rate of 44.9 – you'll start another query with all the same choices except the age group. Choose **Detailed Age Groups** under **Age**, and you'll see other age-range choices. Below, **15-19** is chosen:



Get Data!

10. Click **Get Data!**. Skipping down to just the **County Summary**, you'll see that in rural counties, there were 38.4 deaths per 100,000 aged 15-19, compared with the rate of 44.9 for those aged 20-29.

End of Web Query Example 3

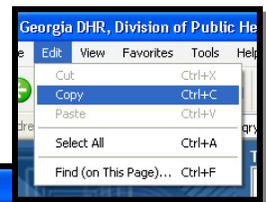
Example 4 - What you'll learn: How to save the Web Query Tool's data table to your computer, for use in Excel or other application.

1. The previous 3 examples displayed your results on the screen. There are times however, when you need to be able to save the information to your computer. This may be because you need to send the information to someone else; insert the information into another document; create charts, etc. The simplest way is to copy the data from the screen into a spreadsheet software program such as Excel.

2. Below is an output from the **Population Data Web Query** – To import the data into a spreadsheet program, do the following: Highlight the table: Place your cursor to the left of the title (“begin” shown below) and, holding the mouse button down, drag your mouse to the bottom of the page (“end”)

Cobb/Douglas Health District
 47,115 | 46,293 | 46,005 | 139,413 |
 </tr>
 <tr>
 Cobb | 39,139 | 38,512 | 38,376 | 116,027 |
 </tr>
 <tr>
 Douglas | 7,976 | 7,781 | 7,629 | 23,386 |
 </tr>
 <tr>
 County Summary | 47,115 | 46,293 | 46,005 | 139,413 |
 </tr>
 </tbody>
 </table>
 The bottom of the screenshot shows the DPH logo and copyright information: Copyright © 2003-2013 Version 2.9.2 CV: 1.7 Georgia Department of Public Health, Office of Health Indicators for Planning (OHIP), all rights reserved. Contact us Need more Census data? Try American Fact Finder 2."/>

3. You then go to the **Edit** option on the Toolbar at the top of the screen and choose **Copy** (shown at right) (or, **right-click your mouse** and choose Copy).



At this point, you can paste your data table anywhere – Word and Excel both will retain the formatting and shading of the output table. Simply choose Edit, then Paste (or right-click your mouse and Paste). Your results should look like the example at right: →

End of Web Query Example 4.

| | 2009 | 2010 | 2011 | SELECTED YEARS TOTAL |
|---|--------|--------|--------|----------------------|
| Population, Race: All Races, Ages: 0-3 | | | | |
| Cobb/Douglas Health District | 47,115 | 46,293 | 46,005 | 139,413 |
| Cobb | 39,139 | 38,512 | 38,376 | 116,027 |
| Douglas | 7,976 | 7,781 | 7,629 | 23,386 |
| County Summary | 47,115 | 46,293 | 46,005 | 139,413 |

Example 5 - What you'll learn: How to interpret the following indicators:
 % WITHIN AREA, % WITHIN STATE, and % STATE POPULATION.

In several OASIS Web Query output tables, you may see other indicators in addition to Numbers and Rates. These indicators can be interpreted as “shares” and are expressed as Percentages. Examples of these indicators by Web Query and Measure follow:

1. Web Query: MATERNAL/CHILD HEALTH

Measure: Births & Birth Rate.

Indicators: % Births Within Area, % Births Within State, % State Population

Using the Maternal/Child Health Web Query, below is a screen shot of the **Births & Birth Rate** Measure. The 3 indicators circled below pertain to **Age** selections, and are interpreted as follows:

| | 2008 | | | | |
|------------------------------|--------|------------|----------------------|-----------------------|--------------------|
| | BIRTHS | BIRTH RATE | % BIRTHS WITHIN AREA | % BIRTHS WITHIN STATE | % STATE POPULATION |
| Cobb/Douglas Health District | 296 | 6.5 | 2.4 | 5.1 | 8.6 |
| Cobb | 242 | 6.5 | 2.3 | 4.2 | 7.1 |
| Douglas | 54 | 6.9 | 2.7 | 0.9 | 1.5 |
| County Summary | 296 | 6.5 | 2.4 | 5.1 | 8.6 |

% BIRTHS WITHIN AREA: 2.4% of all births to residents of the Cobb/Douglas Health District are to females 10-17 years of age. “Within Area” in this case refers to the Cobb/Douglas Public Health District. The denominator is All Births (any age) in the District.

% BIRTHS WITHIN STATE: 5.1% of all births in Georgia aged 10-17 are residents of the Cobb/Douglas district. The denominator is All Births (10-17) in the State.

% STATE POPULATION: 8.6% of all females aged 10-17 in the state reside in the Cobb/Douglas district. The denominator is All Females (10-17) in the State.

Discussion

This 3rd indicator (% State Population) provides some context to the % Births Within State indicator: The District accounts for 5.1% of all state births to 10-17 year olds, but 8.6% of all females aged 10-17. Other areas of the state however account for a higher proportion of births than female population, indicating a ‘disproportionate share.’

The first indicator, % Births Within Area, provides additional information that helps put counts and rates into perspective.

Other uses of these types of indicators are found throughout the Web Queries. Examples follow:

- 2. Web Query: **MATERNAL/CHILD HEALTH**
 Measure: **Low Birthweight Births & Percent.**
 Indicators: **% LBW Within State, % Births Within State.**

| Low Birthweight (LBW) Births (<2500 grams) & Percent, Race: All Races, Ages: All Mothers Ages | | | | |
|---|--------|-------|--------------------|-----------------------|
| | 2008 | | | |
| | BIRTHS | % LBW | % LBW WITHIN STATE | % BIRTHS WITHIN STATE |
| Cobb/Douglas Health District | 1,032 | 8.2 | 7.4 | 8.6 |
| Cobb | 869 | 8.3 | 6.2 | 7.2 |
| Douglas | 163 | 8.1 | 1.2 | 1.4 |
| County Summary | 1,032 | 8.2 | 7.4 | 8.6 |

% LBW WITHIN STATE: 7.4% of all low birthweight births in the State are from residents of the Cobb/Douglas Health District.

% BIRTHS WITHIN STATE: 8.6% of all births in the State (total births, any birthweight) are from residents of the Cobb/Douglas Health District.

3. Web Query: INFANT DEATHS

Measure: Infant Mortality Rate

Indicators: % Within Area, % Within State, % Births Within State.

The screenshot shows the OASIS web query tool interface. The 'Measure' dropdown is set to 'Infant Deaths & Infant Mortality Rate'. The 'Time' dropdown is set to '2007'. The 'Geography' dropdown is set to 'Georgia'. The 'Cause' dropdown is set to 'SIDS'. The data table below shows the following values for 2007:

| Infant Deaths & Infant Mortality Rate (IMR), SIDS, Race: All Races | | | | | | |
|--|--------|-----|---------------|----------------|-----------------------|--|
| 2007 | | | | | | |
| | DEATHS | IMR | % WITHIN AREA | % WITHIN STATE | % BIRTHS WITHIN STATE | |
| Georgia | 144 | 1.0 | 12.0 | 100.0 | 100.0 | |
| DeKalb | 14 | 1.2 | 13.5 | 9.7 | 8.0 | |
| County Summary | 14 | 1.2 | 13.5 | 9.7 | 8.0 | |

For the Infant Deaths & Infant Mortality Rate Measure, these 3 indicators pertain to Cause selections, and are interpreted as follows:

% WITHIN AREA: 12.0% of all infant deaths in Georgia are from SIDS.

% WITHIN STATE: 9.7% of all SIDS deaths in Georgia are from DeKalb County. (Note that the value of 100% for Georgia is essentially saying “of all SIDS deaths in Georgia, 100% are in Georgia.”)

% BIRTHS WITHIN STATE: 8.0% of all births in the State are residents of DeKalb county.

4. Web Query: MORTALITY/MORBIDITY

Measure: Deaths & Percent of Deaths

Indicators: % Within Area, % Within State, % State Population

Measure
 Mortality Measures
 YPLL 75 & YPLL Rate
 Deaths & Age-Adjusted Death Rate
 Standard Mortality Ratio
 Deaths & Percent of Deaths

Time
 2007
 2006
 2005
 2004
 2003
 2002
 2001
 2000
 1999
 1998
 1997
 1996
 1995
 1994

Geography
 Public Health Districts
 Cobb/Douglas Health District
 Fulton Health District
 Clayton County Health District (Jonesboro)
 East Metro Health District (Lawrenceville)

Race
 All Races
 White
 Black or African-American
 Asian
 American Indian or Alaska Native

Cause
 External Causes
 Any Subcategory
 Motor Vehicle Crashes (MVC)
 Falls
 Accidental Shooting
 Drowning
 Fire and Smoke Exposure

Age
 Detailed Age Groups
 All Ages
 <1 year
 1-4 years
 5-9 years
 10-14 years
 15-17 years

Ethnicity
 All Ethnicities

Sex
 All Sexes

Deaths & Percent of Deaths, Motor Vehicle Crashes (MVC), Race: All Races, Ages: All Ages

| | DEATHS | % WITHIN AREA | % WITHIN STATE | % STATE POPULATION |
|--|--------|---------------|----------------|--------------------|
| East Metro Health District (Lawrenceville) | 119 | 2.8 | 7.1 | 10.0 |
| Gwinnett | 84 | 2.8 | 5.0 | 8.1 |
| Newton | 19 | 3.0 | 1.1 | 1.0 |
| Rockdale | 16 | 2.7 | 1.0 | 0.9 |
| County Summary | 119 | 2.8 | 7.1 | 10.0 |

For the Deaths & Percent of Deaths Measure, these 3 indicators pertain to **Cause** selections, and are interpreted as follows:

% WITHIN AREA: 2.8% of all deaths in Gwinnett County are from Motor Vehicle Crashes.

% WITHIN STATE: 5.0% of all Motor Vehicle Crash deaths in Georgia are Gwinnett County residents.

% STATE POPULATION: 8.1% of the total State population resides in Gwinnett county.

Final Note:

Each column heading has a mouse-over that provides a short definition for quick reference.

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| DEATHS | % WITHIN AREA | % WITHIN STATE | % STATE POPULATION |
|--------|---------------|----------------|--------------------|
| 119 | 2.8 | 7.1 | 10.0 |
| 84 | 2.8 | 5.0 | 8.1 |
| 19 | 3.0 | 1.1 | 1.0 |
| 16 | 2.7 | 1.0 | 0.9 |
| 119 | 2.8 | 7.1 | 10.0 |

Proportional Mortality Ratio (PMR): [The number of deaths in a cluster, county or district for a selected cause / The number of deaths in a cluster, county or district for all causes] * 100. Example: In 1994 the Dalton Health District had 22.4% of deaths due to cancers.

indicate that no population or events exist for the measure selected.