

OASIS – Online Analytical Statistical Information System

<https://oasis.state.ga.us>

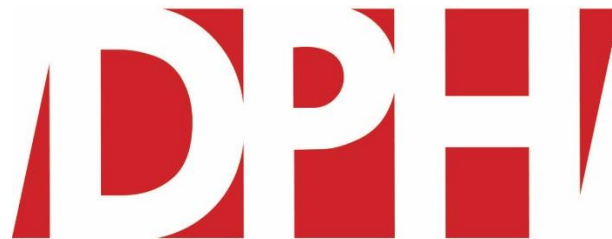
Using OASIS for community health assessment and policy decision-making

Gordon R. Freymann, MPH | Fabio Machado, MPH

Office of Health Indicators for Planning (OHIP)

Epidemiology Program

Georgia Department of Public Health



Georgia Department of Public Health

This tutorial consists of using OASIS to answer 6 questions:

1. What is the teen pregnancy rate for each county?
2. How are low birthweight births distributed within DeKalb county?
3. What age group has the most ER visits due to falls?
4. What is the trend of drug overdoses and opioids?
5. What are the significant causes of death in Muscogee county?
6. What are the top causes of premature death in GA and how are they distributed among age, sex and race?

Each question will be answered using a different tool of OASIS:

- a) Web Query Tool
- b) Mapping Tool
- c) Animated Charting Tool
- d) Trending Tool
- e) Community Health Needs Assessment & Leading Causes of Premature Death Dashboards.


1. Table: Age-specific Pregnancy Rates, 15-17 Years of Age, All Counties.

Choose Pregnancies below:

OASIS

ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

Tools for Public Health and Public Policy Data Analysis
Accessing the Georgia Department of Public Health's Data Warehouse



Create tables, maps or charts of health data by selecting a topic below

Dashboards

- Community Health Needs Assessment
- Leading Causes of Premature Death

Mortality/Morbidity

- Mortality
- Hospital Discharge
- Emergency Room Visits
- Mortality – Drug Overdoses
- Sexually Transmitted Disease
- Ambulatory Care Sensitive Conditions

Maternal/Child Health (MCH)

- Births
- Fetal Deaths
- Induced Terminations
- Pregnancies**
- Popular Baby Names

Infant Mortality

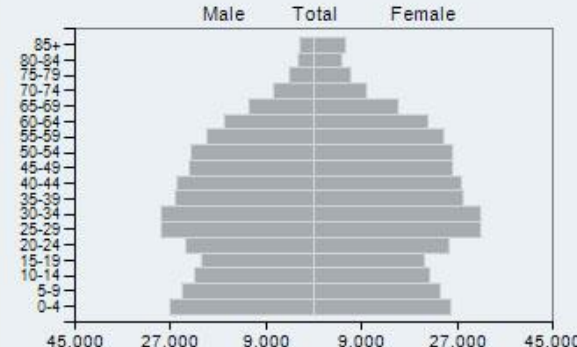
- Infant Mortality
- Infant Mortality - Birth Cohort Based
- Perinatal Periods of Risk (PPOR)

Latest Updates

What Can OASIS Do For You?

Examples of OASIS:

What is the age/race/sex distribution of your county's population?



Population pyramid showing age distribution by sex (Male, Total, Female). The y-axis represents age groups from 0-4 to 85+. The x-axis represents population counts, ranging from 45,000 on the far left to 45,000 on the far right, with 9,000 in the center for each side. The pyramid shows a relatively stable population across most age groups, with a slight increase in the 20-24 age group.

Referrer page – choose Get Table...

OASIS

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Web-Based Tools for Public Health and Public Policy Data Analysis

Accessing the Georgia Department of Public Health's Data Warehouse

Select the type of output you need



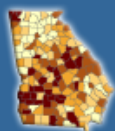
[Get Table](#)

Click icon to create Tables of various statistics and indicators.



[Get Animated
Pyramids](#)

Click icon to create Animated Pyramid Charts that show the age / race / sex distribution of counts or percentages, including associated data tables.



[Get Map](#)


Click icon to create Maps by County, Region, or sub-county areas such as Census Tract.



[Get Trends](#)

Click icon to create Line Charts to show trends of indicators over time; including associated data tables.

The Pregnancies Web Query



ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

MATERNAL CHILD HEALTH – PREGNANCY WEB QUERY

Accessing the Georgia Department of Public Health's Data Warehouse

Measure	Time	Geography	Race
Pregnancies	2016	Counties	All Races
Pregnancy Rate	2015	Georgia	White
First Pregnancies	2014	Rural	Black or African-American
Percent of First Pregnancies	2013	Non-Rural	Asian
	2012	Appling	American Indian or Alaska Native
	2011	Atkinson	
	2010	Bacon	
	2009	Baker	
	2008	Baldwin	
	2007	Banks	
	2006	Barrow	
	2005		

Age

Mothers Age Groups

All Mothers Ages

10-14

15-17

18-19

Quick Start Guide

Definitions

Get Data!

Reset

Display Results

Download Results

OASIS Web Query - Maternal Child Health (MCH) - Pregnancy Statistics

OASIS (Online Analytical Statistical Information System) is a suite of tools used to access the Georgia Department of Public Health's standardized health data repository.

- Create tables of pregnancy counts and rates by age, race, ethnicity, and county for 1994-latest year available.
- Pregnancies represent the sum of births, fetal deaths (of all gestational ages), and induced terminations; controlling for multiple births (twin births count as one pregnancy).
- Multiple selections can be made by holding down the Control or Shift keys.
- The source of these data is Birth, Fetal Death, and ITOP Certificates reported to the Georgia Office of Vital Records, and represent Georgia residents whether the event occurred in Georgia or elsewhere. The data within serve as the official pregnancy statistics of Georgia.

IMPORTANT NOTICE ABOUT KNOWN DATA ISSUES - PLEASE REVIEW THIS BEFORE USING THIS TOOL



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Make the following choices under Measure, Age, Time, and Geography...

OASIS ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM
MATERNAL CHILD HEALTH - PREGNANCY WEB QUERY
Accessing the Georgia Department of Public Health's Data Warehouse

Measure
Pregnancies
Pregnancy Rate
First Pregnancies
Percent of First Pregnancies

Age
Mothers Age Groups
All Mothers Ages
10-14
15-17
18-19

Time
2015
2014
2013
2012
2011
2010
2009
2008
2007
2006
2005
2004

Geography
Counties
Georgia
Rural
Non-Rural
Appling
Atkinson
Bacon
Baker
Baldwin
Banks
Barrow

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

Ethnicity
All Ethnicities

Quick Start Guide
Definitions
Get Data!
Reset
 Display Results
 Download Results

...then click Get Data!

You can use ctrl or shift or hold your mouse button to make multiple selections.

This is what the table looks like. Hovering over a county name will show a small map highlighting the location of the county.

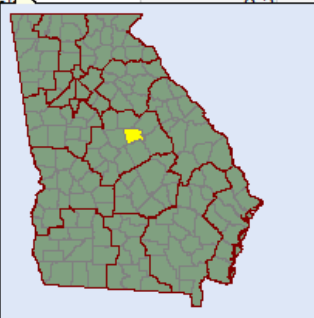
The table can be saved with the Save Data button at bottom of table (not shown).

OASIS ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM
 MATERNAL CHILD HEALTH – PREGNANCY WEB QUERY
 Accessing the Georgia Department of Public Health's Data Warehouse

Measure: Pregnancies, Pregnancy Rate, First Pregnancies, Percent of First Pregnancies
 Time: 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004
 Geography: Counties, Georgia, Rural, Non-Rural, Appling, Atkinson, Bacon, Baker, Baldwin, Banks, Barrow
 Race: All Races, White, Black or African-American, Asian, American Indian or Alaska Native
 Ethnicity: All Ethnicities

Pregnancy Rate by Residence, 10-17 Years of Age

	2013	2014	2015	Selected Years Total
	Pregnancy Rate	Pregnancy Rate	Pregnancy Rate	Pregnancy Rate
Georgia	7.3	6.6	6.1	6.7
Appling	10.7	11.5	8.2	10.1
Atkinson	18.9	14.6	14.6	16.1
Bacon	9.5	9.2	7.7	8.8
Baker	0.0	0.0	*	*
Baldwin	8.0	11.5	4.6	8.1
Barrow	0.0	5.2	*	6.2
Bartow	0.0	4.8	5.5	5.8
Bartow	0.0	6.6	5.0	6.0
Ben Hill	0.0	10.2	20.8	12.9
Ben Hill	0.0	9.7	6.7	7.1
Bibb	0.0	13.4	10.3	12.0
Bleckley	0.0	11.3	*	8.3
Bolton	0.0	9.5	13.4	11.8
Bolton	0.0	11.7	8.5	11.0
Bryant	0.0	3.7	2.2	3.0
Bullock	0.0	8.4	7.8	8.3
Burke	8.2	10.0	9.2	9.1
Butts	9.0	6.2	6.2	7.1
Calhoun	*	*	*	7.4
Camden	4.1	4.1	2.8	3.7
Candler	14.6	*	*	9.2
Carroll	11.5	8.2	7.8	9.1
Catoosa	7.4	6.6	5.4	6.5
Chariton	*	*	0.0	5.2
Chatham	9.1	8.9	6.9	8.3
Chattahoochee	*	*	*	*
Chattooga	11.6	12.4	11.1	11.7
Cherokee	4.1	3.4	3.0	3.5
Cherokee	7.2	7.8	6.6	7.2




Quick Start, Define, Get Data, Results, Display Results, Download

2. Map - Spatial Variation WITHIN County: Percentage Low Birthweight.

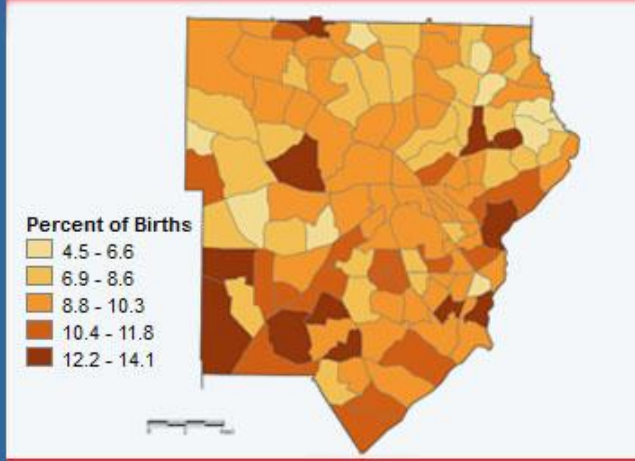
Choose Births below:

OASIS

ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM
Tools for Public Health and Public Policy Data Analysis
Accessing the Georgia Department of Public Health's Data Warehouse



Create tables, maps or charts of health data by selecting a topic below

<h3>Dashboards</h3> <ul style="list-style-type: none">Community Health Needs AssessmentLeading Causes of Premature Death	<h3>Latest Updates</h3> <h2>What Can OASIS Do For You?</h2> <h3>Examples of OASIS:</h3> <p>What is the Prematurity rate by Census Tract in my County?</p> 
<h3>Mortality/Morbidity</h3> <ul style="list-style-type: none">MortalityHospital DischargeEmergency Room VisitsMortality – Drug OverdosesSexually Transmitted DiseaseAmbulatory Care Sensitive Conditions	
<h3>Maternal/Child Health (MCH)</h3> <ul style="list-style-type: none">BirthsFetal DeathsInduced TerminationsPregnanciesMaternal DeathsPopular Baby Names	
<h3>Infant Mortality</h3> <ul style="list-style-type: none">Infant MortalityInfant Mortality - Birth Cohort BasedPerinatal Periods of Risk (PPOR)	

Referrer page – choose Get Map...



ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

Web-Based Tools for Public Health and Public Policy Data Analysis

Accessing the Georgia Department of Public Health's Data Warehouse

Select the type of output you need



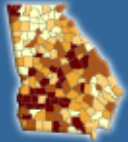
Click icon to create Tables of various statistics and indicators.

[Get Table](#)



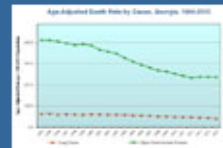
Click icon to create Animated Pyramid Charts that show the age / race / sex distribution of counts or percentages, including associated data tables.

[Get Animated Pyramids](#)



Click icon to create Maps by County, Region, or sub-county areas such as Census Tract.

[Get Map](#)



Click icon to create Line Charts to show trends of indicators over time; including associated data tables.

[Get Trends](#)

The Births Mapping Tool:



ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

MATERNAL CHILD HEALTH - BIRTH MAPPING TOOL

Accessing the Georgia Department of Public Health's Data Warehouse

[Quick Start Guide](#)

[Definitions](#)

Measure:	Number of Births
Mapping Unit:	County
Geography:	Counties
	All Counties
	Appling
	Atkinson
	Bacon
	Baker
	Baldwin
	Bolton
Aggregation:	1-Year Aggregates
Time:	2017
	2016
	2015
	2014
Age:	All Mothers Ages
	10-14
	15-17
	18-19
Race:	All Races
	White
	Black or African-American
	Asian
Ethnicity:	All Ethnicities
Gestational Age:	All Gestation Ages
	Very Preterm (<32 weeks)
	Preterm (32-36 weeks)
	Term (37-41 weeks)
Birthweight:	All Birthweights
	<1,500 grams
	1,500-2,499 grams
	2,500-4,499 grams
Educational Level:	All Education Levels
	Less than 9th Grade Education
	9th through 11th Grade Education
	High School or GED Education
Marital Status:	All Marital Statuses
	Married
	Unmarried
Number of Prenatal Care Visits:	All Prenatal Care Visits
	< 5 Prenatal Care Visits
	5-14 Prenatal Care Visits
	15 or More Prenatal Care Visits
Month Began Prenatal Care:	All Months of Prenatal Care
	First Trimester
	Second Trimester
	Third Trimester
Kotelchuck Index:	All Values
	Inadequate
	Intermediate
	Adequate
Classification:	Natural Breaks (Jenks)

OASIS Mapping Tool - Maternal Child Health (MCH) -Birth Statistics

OASIS (Online Analytical Statistical Information System) is a suite of tools used to access the Georgia Department of Public Health's standardized health data repository.

- Create maps of birth counts and rates by age, race, ethnicity, education, marital status, county and census tract for 1994-latest year available.
- Multiple selections can be made by holding down the Control or Shift keys.
- The source of these data is Birth Certificates reported to the Georgia Office of Vital Records, and represent Georgia residents whether the birth occurred in Georgia or elsewhere. The data within serve as the official natality statistics of Georgia.
- Rates of prematurity use the obstetric estimate method starting with 2008 data.

IMPORTANT NOTICE ABOUT KNOWN DATA ISSUES - PLEASE REVIEW THIS BEFORE USING THIS TOOL

Change Measure to Percent of Births, Mapping Unit to Census Tract, and choose a county.

The screenshot shows the OASIS Mapping Tool interface. A red circle highlights the top three dropdown menus: Measure (set to 'Percent of Births'), Mapping Unit (set to 'Census Tract'), and Geography (set to 'Counties'). The Geography dropdown is open, showing a list of counties with 'DeKalb' selected. Another red circle highlights the Birthweight dropdown menu, which is open and shows the option '<2,500 grams' selected. A third red circle highlights the 'Get Map!' button at the bottom of the interface. The 'Reset' button is also visible below it.

Measure: Percent of Births
Mapping Unit: Census Tract
Geography: Counties
Dade
Dawson
Decatur
DeKalb
Dodge
Dooly
Time: 2008-2012
2003-2007
1998-2002
Age: All Mothers Ages
10-14
15-17
18-19
Race: All Races
White
Black or African-American
Asian
Ethnicity: All Ethnicities
Gestational Age: All Gestation Ages
Very Preterm (<32 weeks)
Preterm (32-36 weeks)
Term (37-41 weeks)
Birthweight: All Birthweights
<1,500 grams
1,500-2,499 grams
2,500-4,499 grams
Educational Level: All Education Levels
Less than 9th Grade
9th through 11th Grade
High School or GED
Marital Status: All Marital Statuses
Married
Unmarried
Classification: Natural Breaks (Jenks)
Data Classes: 5

Get Map!
Reset

OASIS Mapping Tool -
This tool creates maps of co
OASIS (Online Analytical Stati
Public Health's standardized h
• Maps of Birth counts, ra
Commission District, F
Indicators are selectable by ma
Multiple selections can be ma
**Please also note that Mo
when years include 2007
years include 2008 or lat
IMPORTANT NOTICE ABOUT**

Select <2,500 grams.

Click Get Map.

Percent of Births by Census Tract of Residence, DeKalb County, Low Birthweight <2,500 grams, 2008-2012

Percent of Births

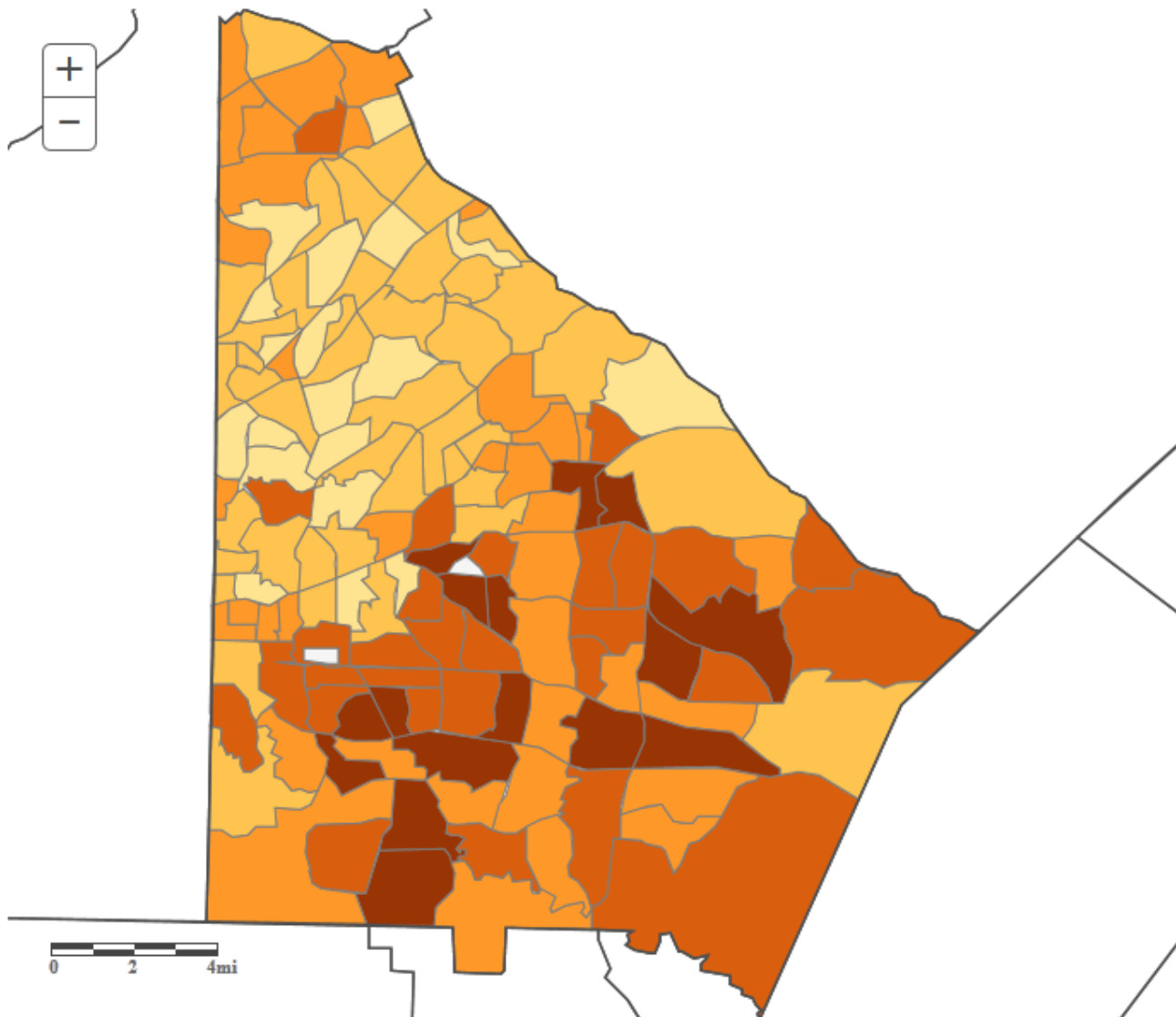
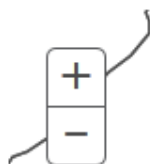
- 3.9 - 6.6
- 7.0 - 9.2
- 9.6 - 11.5
- 11.7 - 13.8
- 13.9 - 16.8
- Not Reportable

Layer visibility

- Cities/Towns
- Hospitals
- Interstates
- Major Roads
- GA House
- GA Senate
- Zip Code Boundary
- County Labels
- Census Tract Labels

Legend

- County
- Census Tract



0 2 4mi



Zoom In



Zoom Out



Full Extent



Pan

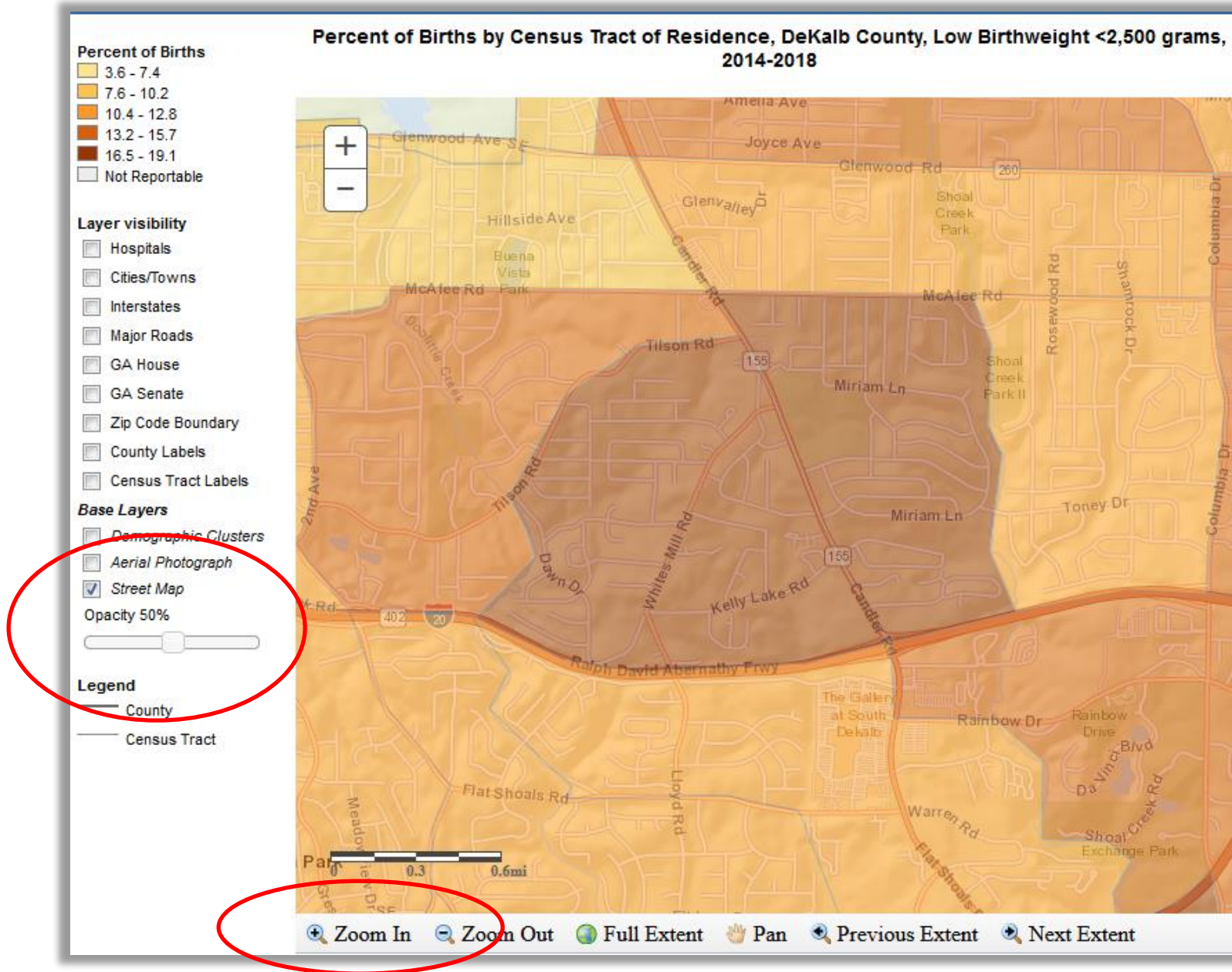


Previous Extent



Next Extent


Zoom in, turn on Street Map, and adjust the Opacity slider...



Maps can be saved locally. Other features include creating maps that show trends over time.


3. Charting: What age group has the most ER visits due to falls?

Select Emergency Room Visits below:



ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

Tools for Public Health and Public Policy Data Analysis
Accessing the Georgia Department of Public Health's Data Warehouse



Create tables, maps or charts of health data by selecting a topic below

<h3>Dashboards</h3> <ul style="list-style-type: none">Community Health Needs AssessmentLeading Causes of Premature Death	
<h3>Mortality/Morbidity</h3> <ul style="list-style-type: none">Emergency Room VisitsMortality – Drug OverdosesSexually Transmitted DiseaseAmbulatory Care Sensitive Conditions	
<h3>Maternal/Child Health (MCH)</h3> <ul style="list-style-type: none">BirthsFetal DeathsInduced TerminationsPregnanciesMaternal DeathsPopular Baby Names	
<h3>Infant Mortality</h3> <ul style="list-style-type: none">Infant MortalityInfant Mortality - Birth Cohort BasedPerinatal Periods of Risk (PPOR)	


Latest Updates

What Can OASIS Do For You?

Examples of OASIS:

How does your county rank amongst other Counties and Georgia?

Diabetes Mellitus





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Web-Based Tools for Public Health and Public Policy Data Analysis

Accessing the Georgia Department of Public Health's Data Warehouse

Select the type of output you need



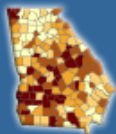
Click icon to create Tables of various statistics and indicators.

[Get Table](#)



Click icon to create Animated Pyramid Charts that show the age / race / sex distribution of counts or percentages, including associated data tables.

[Get Animated Pyramids](#)



Click icon to create Maps by County, Region, or sub-county areas such as Census Tract.

[Get Map](#)



Click icon to create a single report of the Top 15 causes of death, hospital discharge, or ER visits. Reports include trends and maps for each cause.

[Get Dashboard](#)

The ER Visits Animated Charting Tool



ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

ANIMATED CHARTING TOOL (ACT)

Accessing the Georgia Department of Public Health's Data Warehouse

Measure	Geography	Cause	
Number of ER Visits	County	OASIS Detailed Causes	OASIS Home
	Georgia	All Causes	Quick Start Guide
	Rural	All Causes	Definitions
	Non-Rural		Get Pyramids!
	Appling		Reset
			<input checked="" type="checkbox"/> Show Data
Race			
Total-White-Black			
Payor	Aggregation		
All Payors	1-Year Aggregates		
Animate	Back	Forward	Save Image

OASIS Animated Charting Tool (ACT) - Emergency Room (ER) Visit Statistics

OASIS (Online Analytical Statistical Information System) is a suite of tools used to access the Georgia Department of Public Health's standardized health data repository.

- Create pyramid charts of emergency room visit counts and rates by age, race, sex, cause, payor and county for 2002-latest year available.
- Pyramids show the distribution of a population by Age and Sex. Animation is available to view changes over time.
- A 'show data' checkbox is available to obtain the underlying data used to create each pyramid.
- Multiple selections can be made by holding down the Control or Shift keys.
- The source of this information is billing data (as captured on UB04 forms) provided by the Georgia Hospital Association. The data reflect Georgia residents who were seen in an acute care, non-federal hospital in Georgia. Therefore Georgia residents who were discharged from an out-of-state hospital are excluded. Causes are based on the principal diagnosis, except in cases involving an injury.
- ICD10-CM was adopted on October 1, 2015 to report diagnoses.
- In addition, Death/Discharge/ER Combined statistics are available.

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Change All Causes to External Causes, and select Falls underneath:

OASIS ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM
ANIMATED CHARTING TOOL (ACT)
Accessing the Georgia Department of Public Health's Data Warehouse

Measure	Geography	Cause
Number of ER Visits	County	OASIS Detailed Causes
	Georgia	External Causes
	Rural	Any Subcategory
	Non-Rural	Motor Vehicle Crashes (MVC)
	Appling	Falls
		Accidental Shooting
		Drowning
		Fire and Smoke Exposure
		Poisoning

Race
Total-White-Black

Payor
All Payors

Aggregation
1-Year Aggregates

Animate Back Forward Save Image

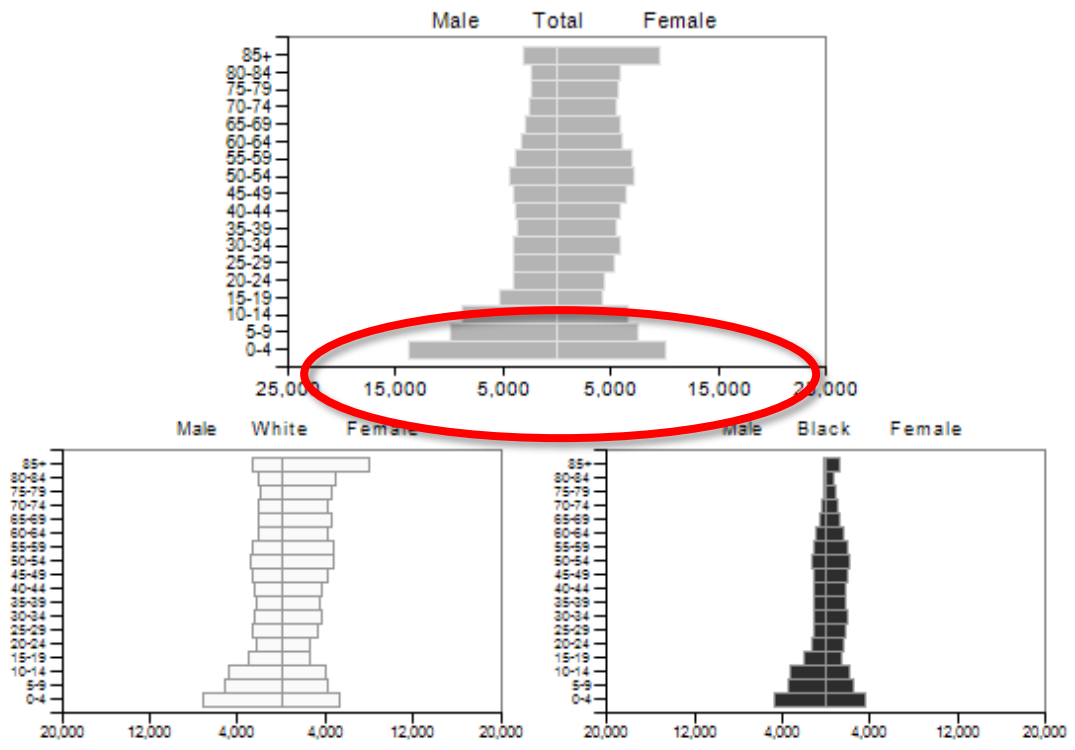
OASIS Home
Quick Start Guide
Definitions
Get Pyramids!
Reset
Show Data

Click Get Pyramids!

Most ER Visits for Falls are among toddlers/young children:

Animate Back Forward Save Image Show Data

Number of Emergency Room Visits, Falls, Total, White and Black or African-American Georgia, 2013



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Both the chart and the data are shown, and both can be saved locally.

4. Trending Tool: What is the Trend of Drug Overdoses, and Opioids specifically? Choose Mortality-Drug Overdoses below:

OASIS ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM
Web-Based Tools for Public Health and Public Policy Data Analysis
Accessing the Georgia Department of Public Health's Data Warehouse

Creates Tables, Maps or Charts of Health Data by selecting a topic below.

Dashboards
Community Health Needs Assessment Dashboard
Leading Causes of Premature Death


Mortality/Morbidity
Mortality
Hospital Discharge
Emergency Room Visits
Mortality – Drug Overdoses
Sexually Transmitted Disease
Arboviral
Ambulatory Care Sensitive Conditions

Maternal Child Health (MCH)
Births
Fetal Deaths
Induced Terminations
Pregnancies
Maternal Deaths
Popular Baby Names

Infant Mortality
Infant Mortality
Infant Mortality - Birth Cohort Based
Perinatal Periods of Risk (PPOR)

Latest Updates
What Can OASIS Do For You?
Examples of OASIS:
What's the leading cause of premature death amongst Georgia's wealthiest?
(1) Intentional Self-Harm (Suicide)


Referrer Page – Get Trends:



ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

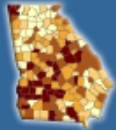
Web-Based Tools for Public Health and Public Policy Data Analysis
Accessing the Georgia Department of Public Health's Data Warehouse

Select the type of output you need




Click icon to create Tables of various statistics and indicators.

[Get Table](#)



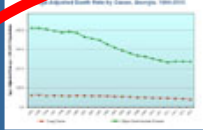
Click icon to create Maps by County, Public Health Districts and Perinatal Region.

[Get Map](#)




Click icon to create Animated Pyramid Charts that show the age / race / sex distribution of counts or percentages, including associated data tables.

[Get Animated Pyramids](#)



Click icon to create Line Charts to show trends of indicators over time; including associated data tables.

[Get Trends](#)



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Page Version 3.3

Under “Cause”... choose the two shown, then Get Trends!

OASIS ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM
TRENDING TOOL
Accessing the Georgia Department of Public Health's Data Warehouse

Measure
Number of Deaths
Death Rate
Age-Adjusted Death Rate

Time
All Year
2017
2016
2015
2014
2013
2012
2011
2010
2009
2008
2007
2006

Geography
Counties
Georgia
Rural
Non-Rural
Appling

Race
All Races
White
Black or African-American

Ethnicity
All Ethnicities

Cause
Drug Overdoses
All Drug Overdoses
All Opioids only
Natural, Semi-synthetic, Synthetic Opioids
Synthetic Opioids other than Methadone
Morphine
Methadone

Aggregation
1 Year Aggregates
Sexes

Age
Detailed Age Groups
All Ages
<1 year
1-4 years
5-9 years

Buttons: Quick Start Guide, Definitions, **Get Trends!**, Reset, Show Data, Save Image

OASIS Trending Tool - Drug Overdoses Statistics

OASIS (Online Analytical Statistical Information System) is a suite of tools used to access the Georgia Department of Public Health's standardized health data repository.

- Create line charts of mortality counts and rates by age, race, sex, cause, ethnicity and county for 1999-latest year available.
- A 'show data' checkbox is available to obtain the underlying data used to create each chart.
- Multiple selections can be made by holding down the Control or Shift keys.
- The source of these data is Death Certificates reported to the Georgia Office of Vital Records, and represent Georgia residents whether the death occurred in Georgia or elsewhere. Reported causes of death are based on the Underlying Cause (that which initiated the events leading to death), in conjunction with other-listed causes of death. Assignment of underlying cause is performed by the National Center for Health Statistics (NCHS) and uses ICD10 since 1999.
- For more information and analysis please visit the DPH Drug Overdose and Surveillance Unit: <https://dph.georgia.gov/drug-overdose-surveillance-unit>.

IMPORTANT NOTICE ABOUT KNOWN DATA ISSUES - PLEASE REVIEW BEFORE USING THIS TOOL

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ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

TRENDING TOOL

Accessing the Georgia Department of Public Health's Data Warehouse

Measure

- Number of Deaths
- Death Rate
- Age-Adjusted Death Rate

Age

- Detailed Age Groups
- All Ages
- <1 year
- 1-4 years
- 5-9 years

Time

- All Year
- 2017
- 2016
- 2015
- 2014
- 2013
- 2012
- 2011
- 2010
- 2009
- 2008
- 2007
- 2006
- 2005

Geography

- Counties
- Georgia
- Rural
- Non-Rural
- Appling

Cause

- Drug Overdoses
- All Drug Overdoses
- All Opioids only
- Natural, Semi-synthetic, Synthetic Opioid
- Synthetic Opioids other than Methadone

Race

- All Races
- White
- Black or African-American

Ethnicity

- All Ethnicities

Aggregation

- 1-Year Aggregates

Sex

- All Sexes

Quick Start Guide

Definitions

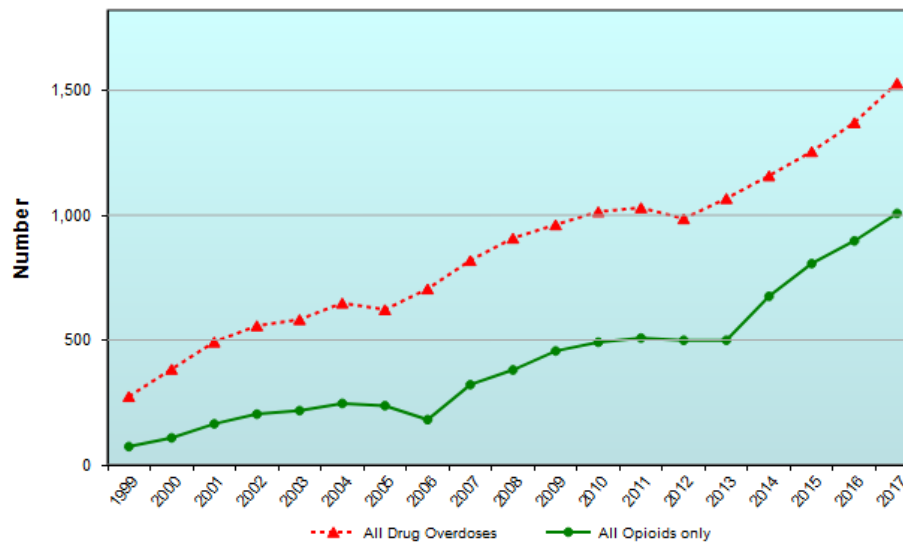
Get Trends!

Reset

Show Data

Save Image

Number of Deaths, Selected Causes, Georgia, 1999-2017



CAUSE	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	1999-2017 TOTAL
All Drug Overdoses	274	383	492	557	582	648	622	705	819	908	962	1,014	1,030	986	1,067	1,158	1,255	1,371	1,529	16,362
All Opioids only	73	108	164	203	217	246	237	181	321	380	456	491	508	499	499	675	806	897	1,007	7,968

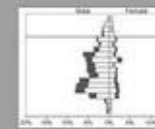
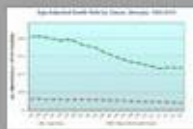
Both the chart and the data are shown, and both can be saved locally.

5. Community Health Needs Assessment – Ranked Cause Report for Muscogee County.



ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

Tools for Public Health and Public Policy Data Analysis
Accessing the Georgia Department of Public Health's Data Warehouse



Create tables, maps or charts of health data by selecting a topic below

Dashboards

Community Health Needs Assessment

Leading Causes of Premature Death

Mortality/Morbidity

Mortality
Hospital Discharge
Emergency Room Visits

Mortality – Drug Overdoses
Sexually Transmitted Disease
Ambulatory Care Sensitive Conditions

Maternal/Child Health (MCH)

Births
Fetal Deaths
Induced Terminations

Pregnancies
Maternal Deaths
Popular Baby Names

Infant Mortality

Infant Mortality
Infant Mortality - Birth Cohort Based

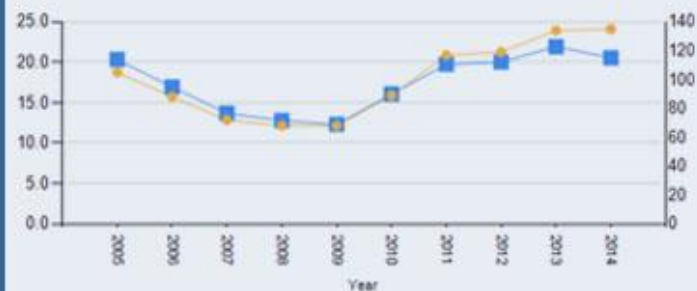
Perinatal Periods of Risk (PPOR)

Latest Updates

What Can OASIS Do For You?

Examples of OASIS:

What is the Trend in your county?
And is it significant?



Initial Dashboard page shows Georgia as a whole:

OASIS ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

Community Health Needs Assessment Dashboard

Tools for Public Health and Public Policy Data Analysis
Accessing the Georgia Department of Public Health's Data Warehouse

Geography: County: Georgia

Age: All Ages

Rank By: Age-Adjusted Death Rate

Race: All Races

Sex: All Sexes

Prioritize! (significantly high causes) ?
 Using green, yellow and red for dials
 Using Georgia Rankable Groups

Get Data!

Quick Start Guide
Definitions
GA Rankable Definitions
NCHS Definitions
Known Data Issues

External Resources
Change Action Guide
MAPP
County Health Rankings
The Community Guide
Health Improvement Navigator

Ranked Causes and State/County Comparison, Age-Adjusted Death Rate, Georgia, 2013 - 2017

Rank	Cause	Count
# 1	Ischemic Heart and Vascular Disease	41,242
# 2	Malignant Neoplasms of the Trachea, Bronchus and Lung	22,349
# 3	All COPD Except Asthma	22,123
# 4	Cerebrovascular Disease	20,481
# 5	All Other Mental and Behavioral Disorders	17,375
	Alzheimers Disease	16,607
	Essential (Primary) Hypertension and Hypertensive Renal, and Heart Disease	14,733
	Diabetes Mellitus	11,137
	Nephritis, Nephrotic Syndrome and Nephrosis	9,002
	All Other Diseases of the Nervous System	8,293

Choose a county, and Get Data!

The screenshot shows a web-based data selection interface. It features several dropdown menus and checkboxes. The 'County' dropdown is open, showing a list of counties: Monroe, Montgomery, Morgan, Murray, and Muscogee. The 'Age' dropdown is set to 'All Ages'. The 'Rank By' dropdown is set to 'Age-Adjusted Death Rate'. The 'Race' dropdown is set to 'All Races'. The 'Sex' dropdown is set to 'All Sexes'. There are three checkboxes on the right: 'Prioritize! (significantly high causes)' (unchecked), 'Using green, yellow and red for dials' (checked), and 'Using Georgia Rankable Groups' (checked). A red circle highlights the 'County' dropdown list, and another red circle highlights the 'Get Data!' button.

County:	Age:	Rank By:	Options
Monroe	All Ages	Age-Adjusted Death Rate	<input type="checkbox"/> Prioritize! (significantly high causes) ?
Montgomery	<1 year		<input checked="" type="checkbox"/> Using green, yellow and red for dials
Morgan	1-4 years		<input checked="" type="checkbox"/> Using Georgia Rankable Groups
Murray	5-9 years		
Muscogee	10-14 years		

Get Data!

The top 15 causes of mortality and how they compare to the state and other counties will be shown. Top 5 below:

County: Monroe
Montgomery
Morgan
Murray
Muscogee

Age: All Ages
<1 year
1-4 years
5-9 years
10-14 years

Rank By: Age-Adjusted Death Rate

Race: All Races

Sex: All Sexes

Prioritize! (significantly high causes) ?
 Using green, yellow and red for dials
 Using Georgia Rankable Groups

Get Data!

Ranked Causes and State/County Comparison, Age-Adjusted Death Rate, Muscogee County, 2009 - 2013

Ischemic Heart and Vascular Disease - 1,412



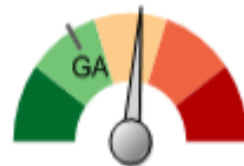
1

Malignant Neoplasms of the Trachea, Bronchus and Lung - 490



2

All COPD Except Asthma - 467



3

Diabetes Mellitus - 464



4

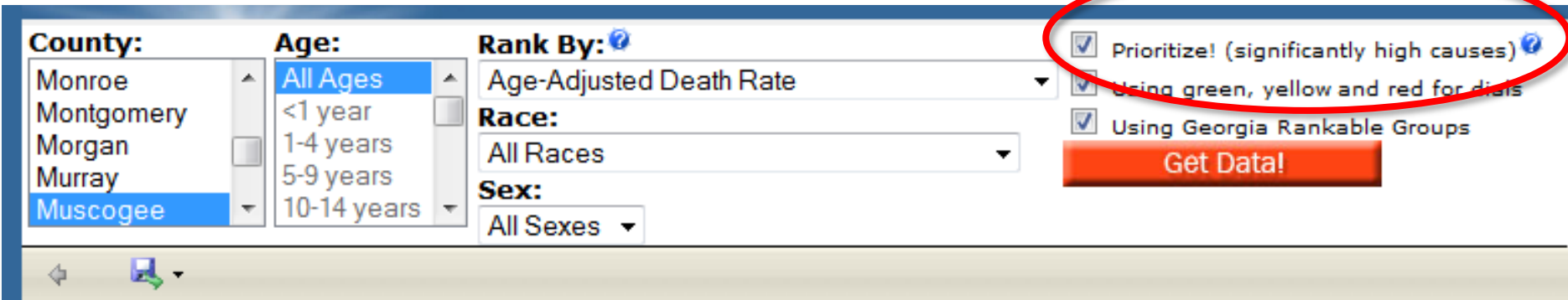
Cerebrovascular Disease - 456



5

Note: Lung Cancer is #2, and Diabetes is #4.....

This time, check the Prioritize! Box and Get Data!....



The screenshot shows a web-based data selection interface. On the left, there are three columns of filters: 'County' with a list including Monroe, Montgomery, Morgan, Murray, and Muscogee; 'Age' with a list including All Ages, <1 year, 1-4 years, 5-9 years, and 10-14 years; and 'Rank By' with a dropdown menu set to 'Age-Adjusted Death Rate'. Below these are 'Race' (set to 'All Races') and 'Sex' (set to 'All Sexes'). On the right side, there are three checkboxes, all of which are checked. The first checkbox, 'Prioritize! (significantly high causes)', is circled in red. The other two checkboxes are 'Using green, yellow and red for data' and 'Using Georgia Rankable Groups'. Below these checkboxes is a prominent orange button labeled 'Get Data!'.

“Prioritize” will change the output from the top 15 causes, to only the top causes that occur significantly higher than expected as compared to the state as a whole.

County: Monroe
 Montgomery
 Morgan
 Murray
Muscogee

Age: All Ages
 <1 year
 1-4 years
 5-9 years
 10-14 years

Rank By: Age-Adjusted Death Rate

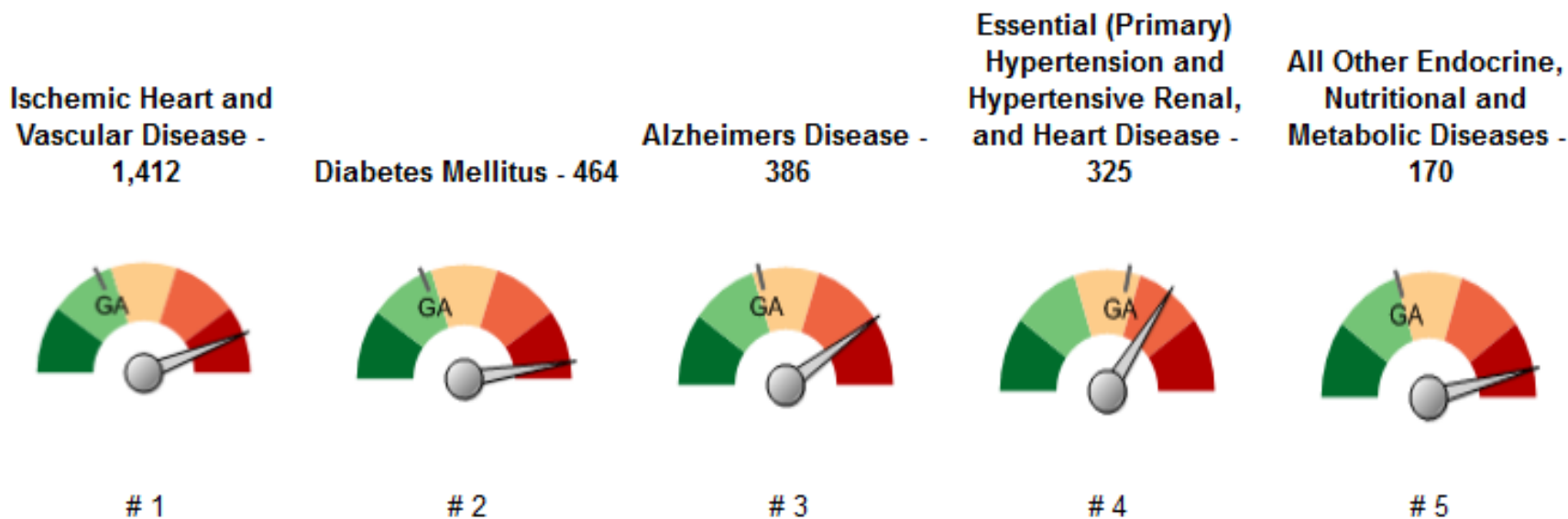
Race: All Races

Sex: All Sexes

Prioritize! (significantly high causes) ?
 Using green, yellow and red for dials
 Using Georgia Rankable Groups

Get Data!

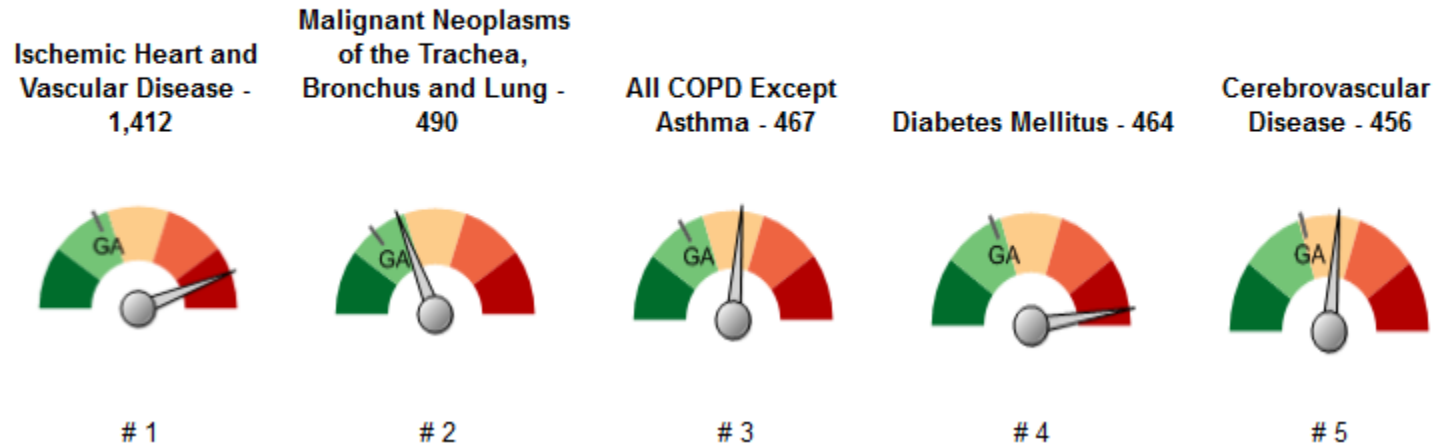
Ranked Significantly High Causes and State/County Comparison, Age-Adjusted Death Rate, Muscogee County, 2009 - 2013



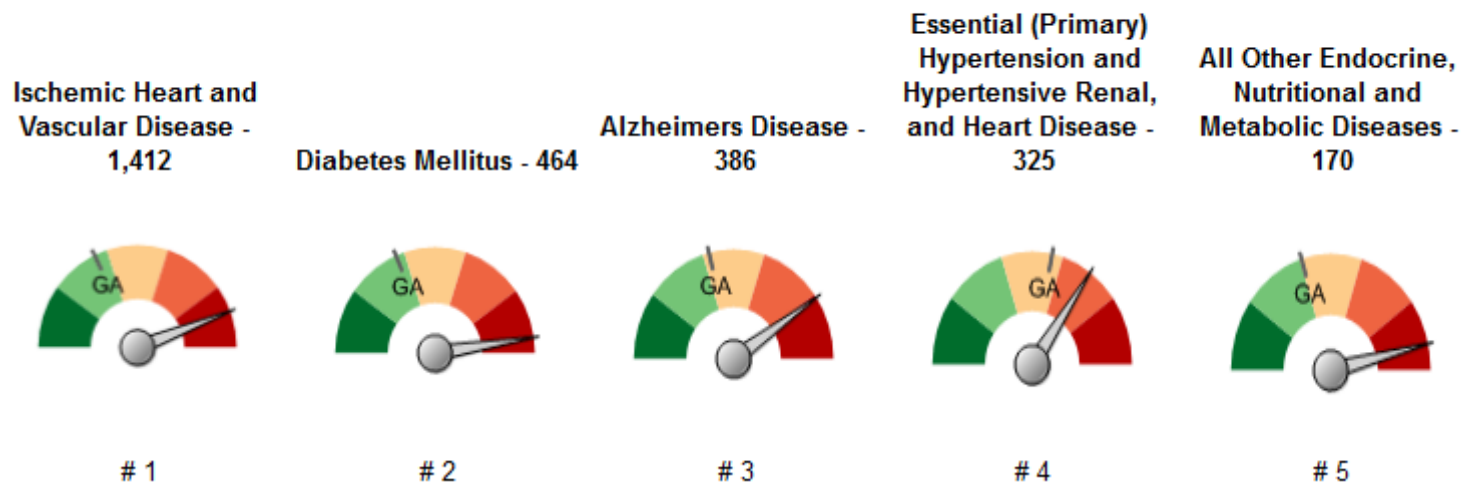
Now, Diabetes is #2, Lung Cancer gone, & Alzheimer's moved to #3!

Review: Comparing the Top 5 causes vs the Top 5 **Significantly High** causes:

Ranked Causes and State/County Comparison, Age-Adjusted Death Rate, Muscogee County, 2009 - 2013

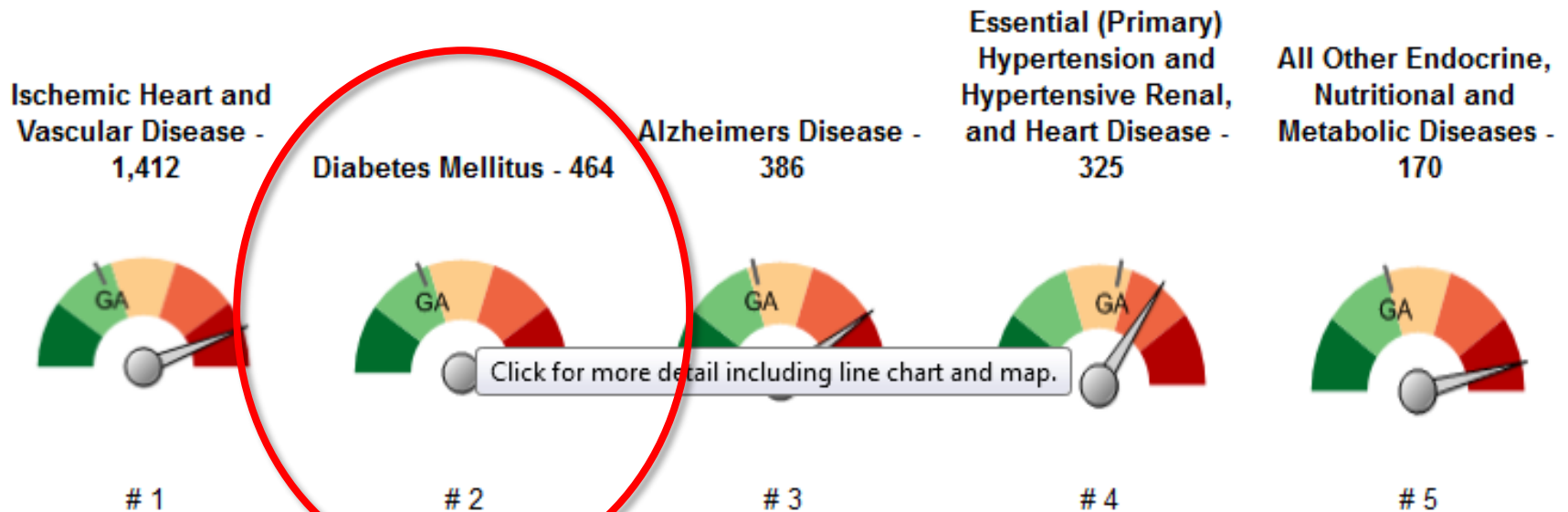


Ranked Significantly High Causes and State/County Comparison, Age-Adjusted Death Rate, Muscogee County, 2009 - 2013



Get a 'Details Report' for a specific cause by clicking on it:

Ranked Significantly High Causes and State/County Comparison, Age-Adjusted Death Rate, Muscogee County, 2009 - 2013

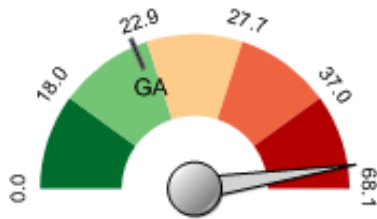


After clicking on the dial, a page will appear that shows detailed information about that cause, divided into 3 parts (shown in next 3 slides).

A. Details page: How Do We Compare to the State?

Age-Adjusted Death Rate - Diabetes Mellitus for Muscogee County, 2009 - 2013

How Do We Compare to the State?



The dial above shows the Georgia Age-Adjusted Death Rate to be 22.0. The Age-Adjusted Death Rate for Muscogee County is 49.2. Additional values on the gauge represent percentiles from the lowest county rate to the highest county rate. The table shows the top 10 causes in Muscogee County, and how each compare in rank to the same causes for the State.

County Comparison with Georgia

Cause	Selected Geography Rank	Georgia Rank
Ischemic Heart and Vascular Disease	1	1
Malignant Neoplasms of the Trachea, Bronchus and Lung	2	2
All COPD Except Asthma	3	3
Diabetes Mellitus	4	8
Cerebrovascular Disease	5	5
Alzheimers Disease	6	7
Essential (Primary) Hypertension and Hypertensive Renal, and Heart Disease	7	6
All Other Mental and Behavioral Disorders	8	4
Malignant Neoplasms of Colon, Rectum and Anus	9	11
Pneumonia	10	12

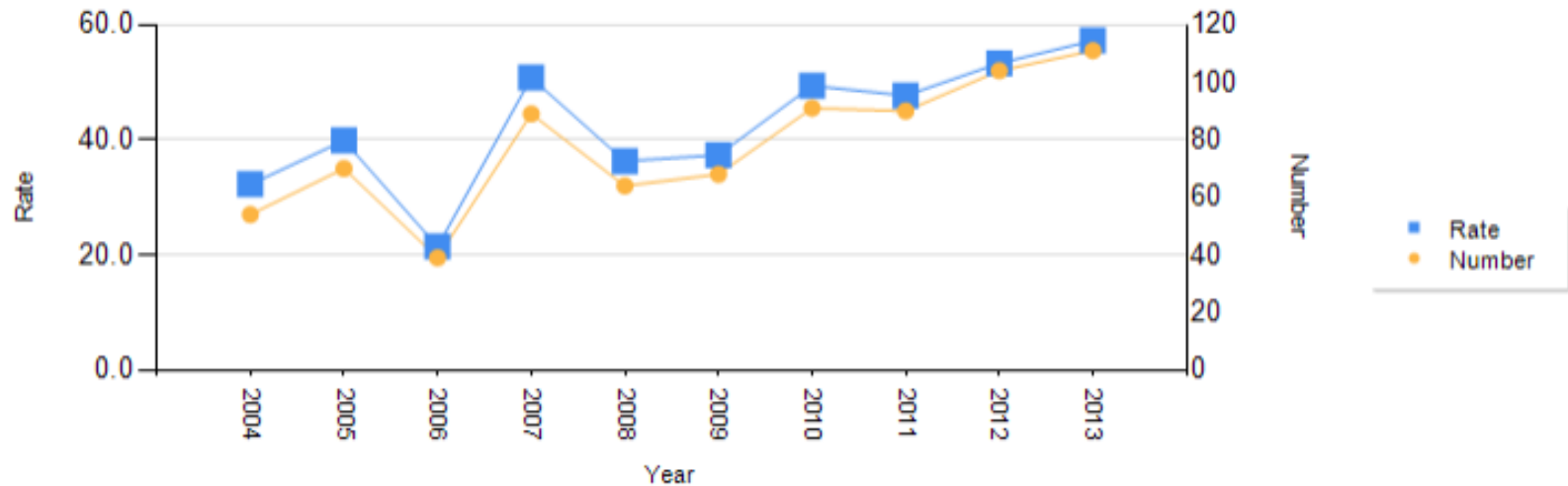
B. Details page: What is the County's Trend?

What is the County's Trend?



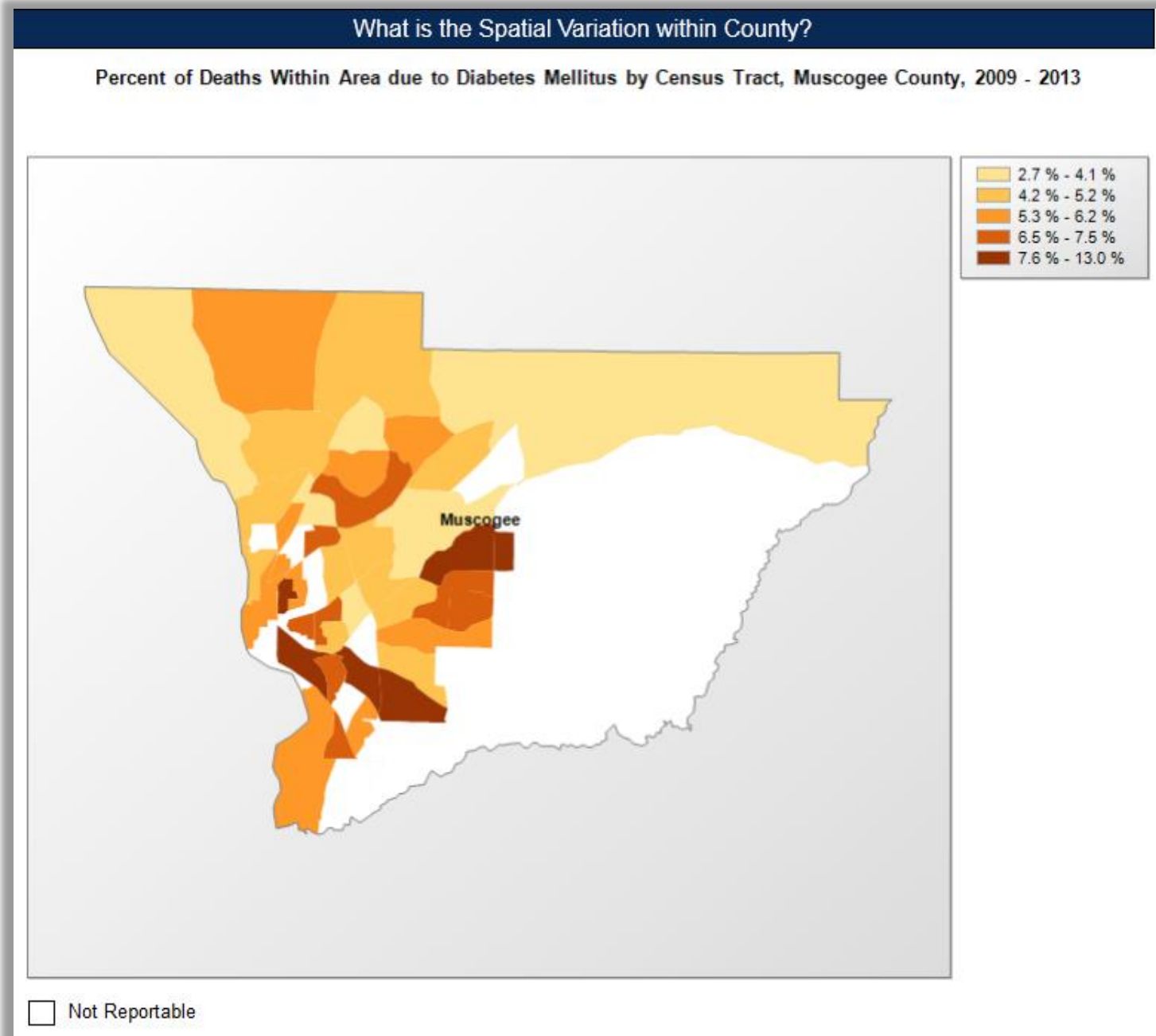
As stated above the current rate is 49.2. The rate for the previous 5 year aggregate (2004 - 2008) was 36.1. This difference is statistically significant. Below is both the number and rate in the county over the 10-year period.

Age-Adjusted Death Rate and Number for Diabetes Mellitus for Muscogee County, 2004 - 2013




Note that a test of significance is applied automatically to the trend.

C. Details page: What is the spatial variation within County?



6. Ranked Causes of Premature Death, with charted age/race/sex distributions?

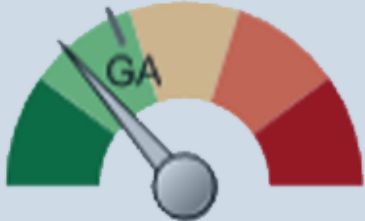


ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

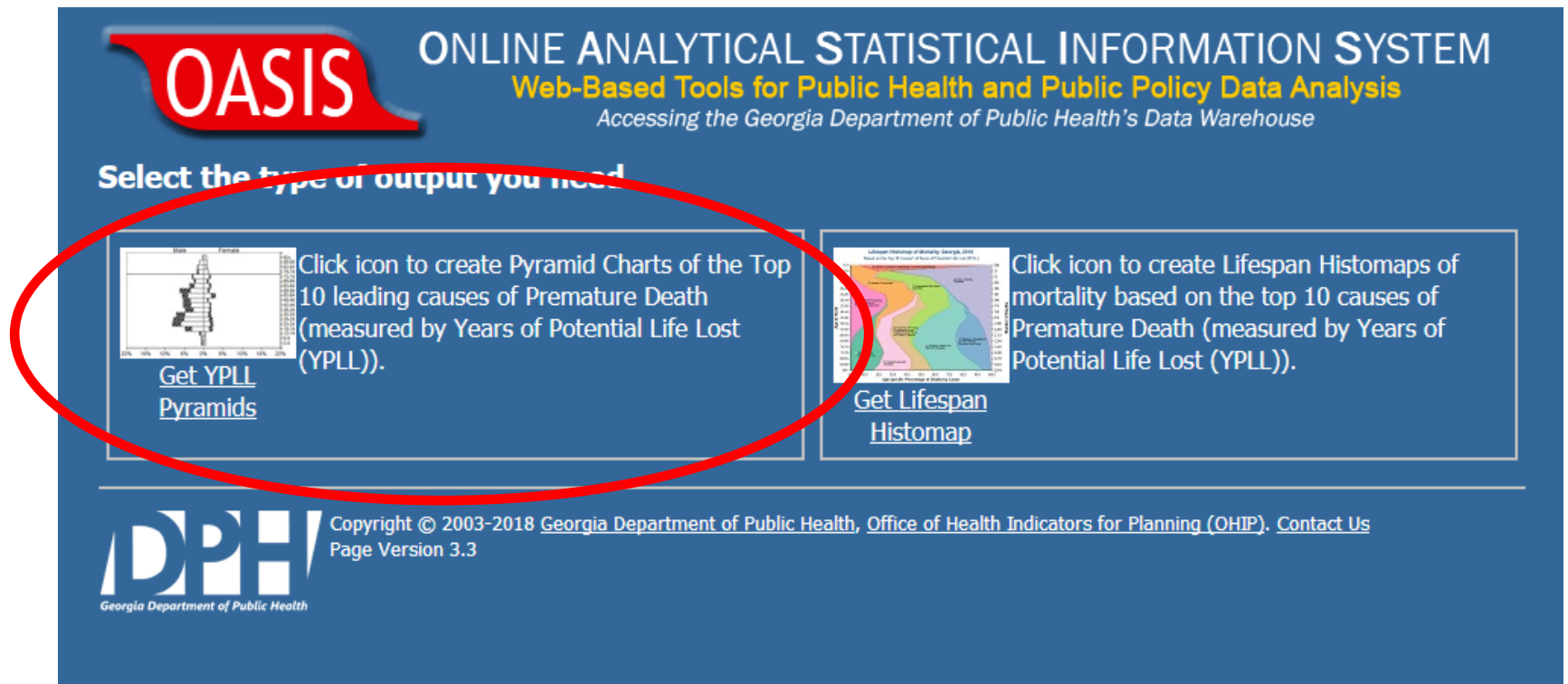
Web-Based Tools for Public Health and Public Policy Data Analysis
Accessing the Georgia Department of Public Health's Data Warehouse

Creates Tables, Maps or Charts of Health Data by selecting a topic below.

Like Us on Facebook

<h3>Dashboards</h3> <ul style="list-style-type: none">Community Health Needs Assessment DashboardLeading Causes of Premature Death	<h3>Latest Updates</h3> <h2>What Can OASIS Do For You?</h2> <h3>Examples of OASIS:</h3> <p>How does your county rank amongst other Counties and Georgia?</p> <h3>Diabetes Mellitus</h3> 
<h3>Mortality/Morbidity</h3> <ul style="list-style-type: none">MortalityHospital DischargeEmergency Room VisitsMortality – Drug OverdosesSexually Transmitted DiseaseArboviralAmbulatory Care Sensitive Conditions	
<h3>Maternal Child Health (MCH)</h3> <ul style="list-style-type: none">BirthsFetal DeathsInduced TerminationsPregnanciesMaternal DeathsPopular Baby Names	
<h3>Infant Mortality</h3> <ul style="list-style-type: none">Infant MortalityInfant Mortality - Birth Cohort BasedPerinatal Periods of Risk (PPOR)	
<h3>Population Characteristics</h3>	

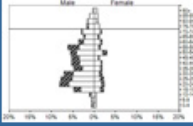
Referrer page – Get YPLL Pyramids...




The screenshot displays the OASIS (Online Analytical Statistical Information System) interface. At the top, the OASIS logo is in a red banner, followed by the title "ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM" and the subtitle "Web-Based Tools for Public Health and Public Policy Data Analysis". Below this, it states "Accessing the Georgia Department of Public Health's Data Warehouse". A red oval highlights the "Select the type of output you need" section, which contains two options: "Get YPLL Pyramids" and "Get Lifespan Histomap". Each option includes a small thumbnail image of the respective chart type and a brief description of what the tool generates. At the bottom, the Georgia Department of Public Health logo is visible along with copyright information and contact details.

OASIS ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM
Web-Based Tools for Public Health and Public Policy Data Analysis
Accessing the Georgia Department of Public Health's Data Warehouse

Select the type of output you need

 Click icon to create Pyramid Charts of the Top 10 leading causes of Premature Death (measured by Years of Potential Life Lost (YPLL)).
[Get YPLL Pyramids](#)

 Click icon to create Lifespan Histomaps of mortality based on the top 10 causes of Premature Death (measured by Years of Potential Life Lost (YPLL)).
[Get Lifespan Histomap](#)

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Page Version 3.3

“YPLL” stands for Years of Potential Life Lost and is a measure of premature death. Each death before age 75 is included, and their years of potential life lost (e.g. a death at age 55 would be 20 YPLL) are summed. Compared with leading causes of death, YPLL directs focus on causes that occur at younger ages. In doing so, YPLL highlights causes that are more likely to be attributable to preventable causes and therefore subject to prevention and intervention.

Click Get Causes!



ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

LEADING CAUSES OF PREMATURE DEATH

Accessing the Georgia Department of Public Health's Data Warehouse

Geography

County

- Georgia
- Rural
- Non-Rural
- Appling
- Atkinson
- Bacon
- Baker
- Baldwin
- Banks
- Barrow
- Bartow

Time

2017

- 2016
- 2015
- 2014
- 2013
- 2012
- 2011

Save Images

Show Data

Prioritize! (significantly high causes only) ?

Georgia Rankable Causes. Uncheck box to use NCHS Rankable Causes.

Definitions

GA Rankable Definitions

NCHS Definitions

Choose a
Geography, a Time,
and click
Get Causes!

Get Causes!

Reset

OASIS Leading Causes of Premature Death Tool - Mortality Pyramids

This tool ranks the top 10 causes of Premature Death (measured by Years of Potential Life Lost (YPLL)), and displays Mortality Pyramid Charts for each.

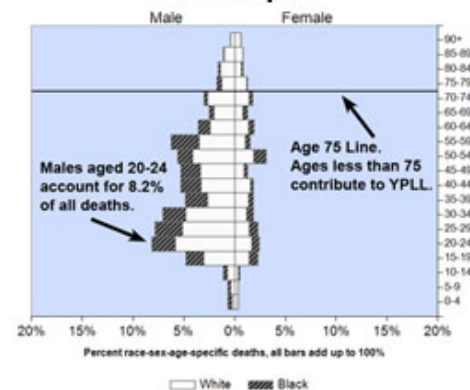
YPLL represents the sum of years of life lost before age 75. For example, a death at age 65 would be 10 years of potential life lost.

The Mortality Pyramids show the percentage of deaths by Race, Sex, and Age, with a focus on those that occurred at ages less than 75 years.

Data are available for 1994-current year by State, Public Health District, County, and Demographic Cluster.

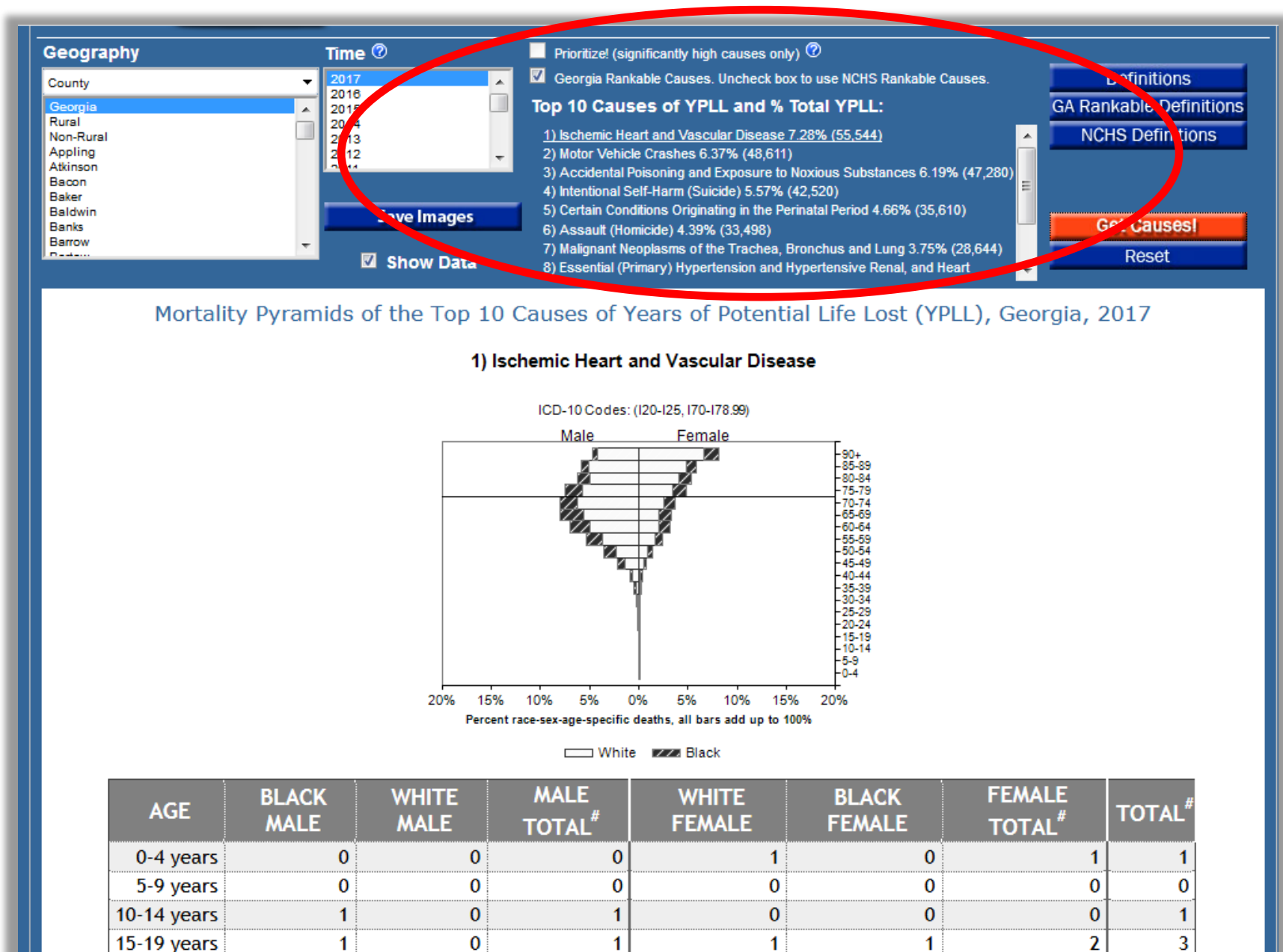
OASIS is a suite of tools used to access the Georgia Department of Public Health's standardized health data repository.

Example



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[Contact us.](#)

The top 10 causes of premature death (YPLL) are shown in a list:



Click each cause to see their mortality pyramid.

Geography County: Georgia

Time 2017

Prioritize! (significantly high causes only) ?

Georgia Rankable Causes. Uncheck box to use NCHS Rankable Causes.

Top 10 Causes of YPLL and % Total YPLL:

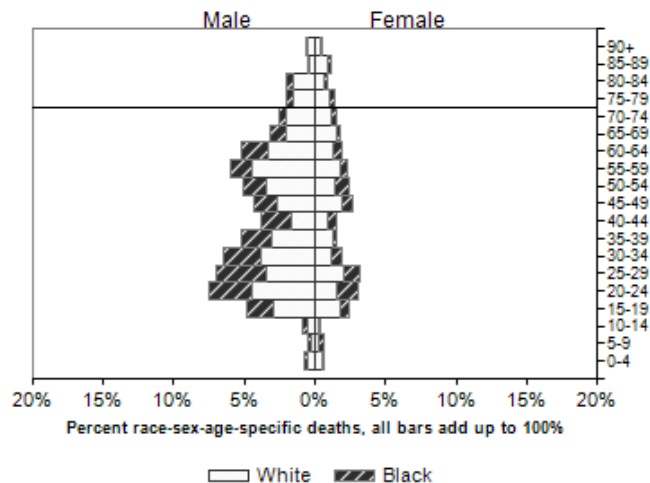
- 1) Ischemic Heart and Vascular Disease 7.28% (55,544)
- 2) Motor Vehicle Crashes 6.37% (48,611)
- 3) Accidental Poisoning and Exposure to Noxious Substances 6.19% (47,280)
- 4) Intentional Self-Harm (Suicide) 5.57% (42,920)
- 5) Certain Conditions Originating in the Perinatal Period 4.66% (35,610)
- 6) Assault (Homicide) 4.39% (33,498)
- 7) Malignant Neoplasms of the Trachea, Bronchus and Lung 3.75% (28,644)
- 8) Essential (Primary) Hypertension and Hypertensive Renal, and Heart

Buttons: Definitions, GA Rankable Definitions, NCHS Definitions, Get Causes!, Reset, Save Images, Show Data

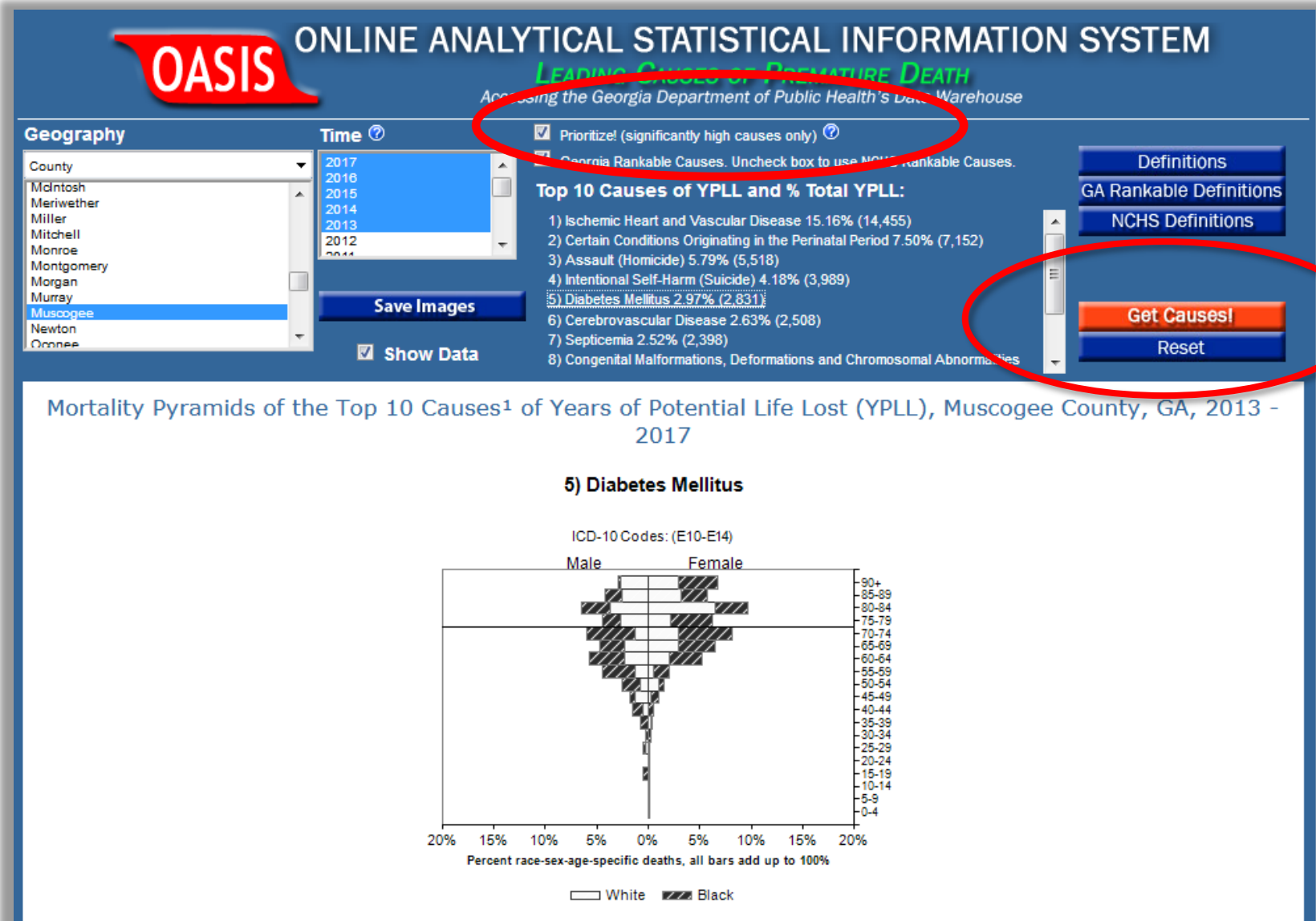
Mortality Pyramids of the Top 10 Causes of Years of Potential Life Lost (YPLL), Georgia, 2017

2) Motor Vehicle Crashes

ICD-10 Codes: (V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)



Are there causes of premature death that occur significantly more than they should? Check the Prioritize! checkbox, and Get Causes!



...that concludes this overview.

Other notes:

- All OASIS tools have a Quick Start Guide.
- All tools: results can either be exported to Excel or saved as an image.
- CHNA Dashboard: Results can be exported directly into Word format.
- OASIS is developed in-house.
- All queries are done on-the-fly = Over 10^{100} possible combinations.
- If it's not on OASIS, just ask!

We hope this helps – please feel free to contact us with questions or for more info.

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<https://oasis.state.ga.us>

