



# Sumter County Community Health Assessment

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WEST CENTRAL HEALTH DISTRICT EPIDEMIOLOGY

Note:

Rates that have less than 5 events have been indicated with an \*

Stratified rates by sex and/or race are not presented when total number of events are less than 20.

Line charts with any missing data from 2011-2015 when stratified by sex and/or race are not presented.

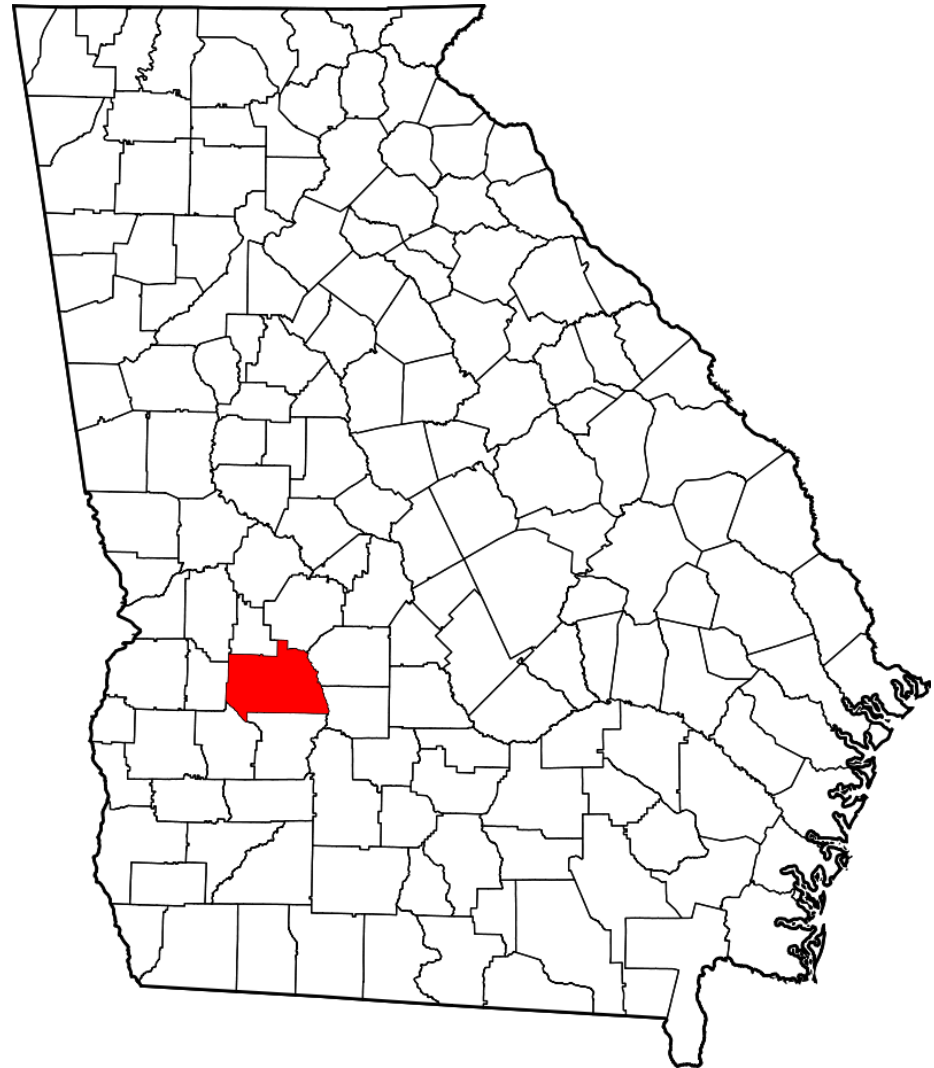
Highlighting 10% differences has been adapted by the 10% rule for considering confounding variables in multivariate logistic regression. Whereas a 10% difference between the crude and adjusted rate, presents the possibility of confounding.

In this situation, sex and/or race is being evaluated as potential confounding variables of interest

# Population Characteristics (2015)

## Sumter County

- Total Population 30,779
- Race/Ethnicity
  - White- 43.8% Black- 52.8%
  - Hispanic or Latino- 5.5%
- Sex
  - Male- 47.4% Female- 52.6%
- Communities:
  - Americus
  - Andersonville
  - Cobb
  - De Soto
  - Leslie
  - Plains



# Sumter County Population Estimate by Age and Sex (2015)

Age Distribution	Population	Male	Female
<1	387	195	192
1-4	1568	748	820
5-9	2083	1011	1072
10-14	1930	1001	929
15-19	2467	1267	1200
20-24	3100	1452	1648
25-29	1893	1009	884
30-34	1802	875	927
35-39	1611	758	853
40-44	1677	759	918
45-49	1823	844	979
50-54	1910	879	1031
55-59	1935	900	1035
60-64	1810	826	984
65-69	1712	795	917
70-74	1146	518	628
75-79	797	345	452
80-84	574	213	361
85+	554	185	369

- **Total Population**

- Male= 14,580

- Female = 16,199

- Infants <1 Year- 1.3%

- Pre-School Aged - 5%

- Elementary & Middle School Aged- 13%

- High School Aged- 8%

- Work Force Aged- (20-64) 57%

- Older Adults- (65-74) 9.3%

- Adults 75 Plus 6.3%

27.3% population - School Aged or Younger

57% population - Work Force Aged

15.6% population - Older Adults

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# Percent of Population 2015 by Age Total White or Black- African American

## Georgia

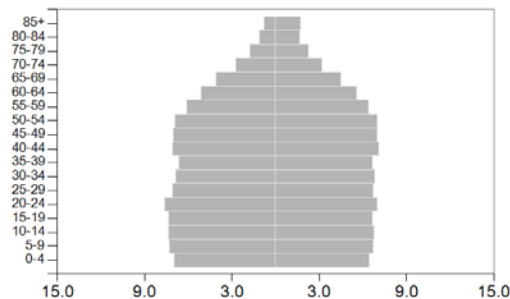
## Sumter County, GA

Percent of Population by Age, Total, White and Black or African-American

Number of Population by Age, Total, White and Black or African-American

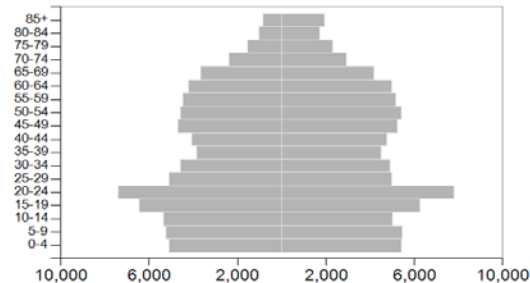
Georgia, 2011 - 2015

Male Total Female

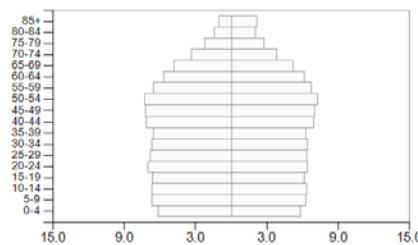


Sumter County, GA, 2011 - 2015

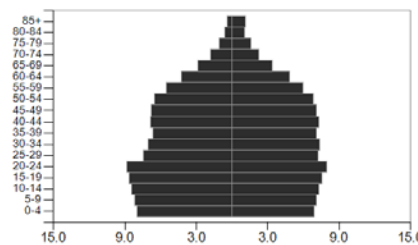
Male Total Female



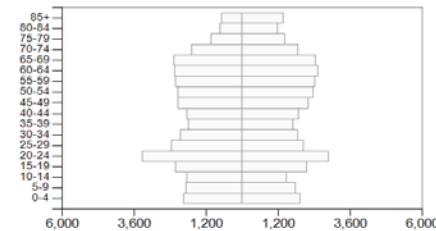
Male White Female



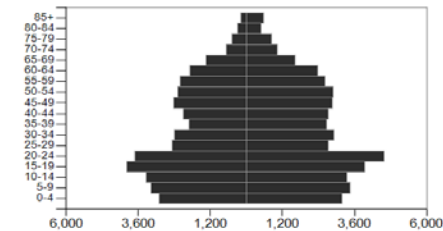
Male Black Female



Male White Female



Male Black Female



# 2017 County Health Rankings, Sumter County

<b>Count Health Rankings</b>	<b>Ranking (of 159)</b>
<b>Health Outcomes</b>	119
<b>Length of Life</b>	70
<b>Quality of Life</b>	142
<b>Health Factors</b>	144
<b>Health Behaviors</b>	151
<b>Clinical Care</b>	61
<b>Social &amp; Economic Factors</b>	144
<b>Physical Factors</b>	146

# Health Outcomes

	U.S.	Georgia	Sumter County
<b>Mortality</b>			
Premature Death	7,700	7,300	8,600
<b>Morbidity</b>			
Poor or Fair Health	16%	17%	25%
Poor Physical Health Days	3.8	3.7	4.9
Poor Mental Health Days	3.8	3.7	4.4

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# Health Behaviors

	U.S.	Georgia	Sumter County
<b>Health Behaviors</b>			
Adult Obesity	31%	30%	33%
Physical Inactivity	26%	23%	28%
Adult Smoking	17%	18%	22%
Excessive Drinking	17%	17%	13%
Alcohol-impaired Driving Deaths	30%	23%	40%
<b>Environment</b>			
Food Environment Index (0-10)	7.3	6.6	4.9
Access to Exercise Opportunities	62%	75%	74%



# Health Care Availability

	<b>U.S.</b>	<b>Georgia</b>	<b>Sumter County</b>
<b>Percent Uninsured</b>	14%	18%	19%
<b>Ratio of Population to Provider</b>			
Primary Care Physicians	2030:1	1530:1	1420:1
Mental Health Providers	1105:1	900:1	580:1
Dentists	2570:1	2030:1	1920:1

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# Socioeconomic Factors

	U.S.	Georgia	Sumter County
<b>Percent Under Poverty Level*</b>			
All Ages	15.5%	18.4%	33.2%
Under 18 Years	21.7%%	26.0%	52.7%
Under 5 Years	24.5%	29.3%	48.6%
65 Years or Older	9.4%	10.6%	17.6%
<b>Median Household Income*</b>	\$53,889	\$49,620	\$32,758
<b>Unemployment Rate</b> (Annual 2015)**	5.3%	5.9%	8.3%
<b>Education Attainment*</b> (25 years and over)			
Less than High School	13.3%	14.6%	23.5%
High School or Equivalent	27.8%	28.4%	31.4%
Some College or Associates'	29.2%	28.2%	26.2%
Bachelor's Degree or Higher	29.7%	28.8%	19.1%

# Physical Environment

	U.S.	Georgia	Sumter County
<b>Environment</b>			
Air Pollution*	9.2	10.1	10.5
Drinking Water Violations*	NA	NA	Yes
<b>Housing</b>			
Percent w/ Severe Housing* Problems	14%	18%	21%
Total Percent of Mobile** Homes	6.4%	9.3%	17.4%
Percent of Households w/ 0 Vehicles Available**	9.1%	6.9%	12.2%

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Sources: \*University of Wisconsin Population Health Institute. *County Health Rankings 2017*, <http://www.countyhealthrankings.org/rankings/data/ga>

\*\*U. S. Census Bureau, American Community Survey (ACS) and Puerto Rico Community Survey (PRCS), 5-Year Estimates

# Employment, Sumter County

Industry	Percent
Agriculture, forestry, fishing and hunting, and mining	4.8%
Construction	3.4%
Manufacturing	13.3%
Wholesale trade	3.1%
Retail trade	9.3%
Transportation and warehousing, and utilities	3.6%
Information	1.8%
Finance and insurance, and real estate and rental and leasing	4.6%
Professional, scientific, and management, and administrative and waste management services	6.4%
Educational services, and health care and social assistance	30.1%
Arts, entertainment, and recreation, and accommodation and food services	6.5%
Other services, except public administration	4.9%
Public administration	8.3%

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# Mortality

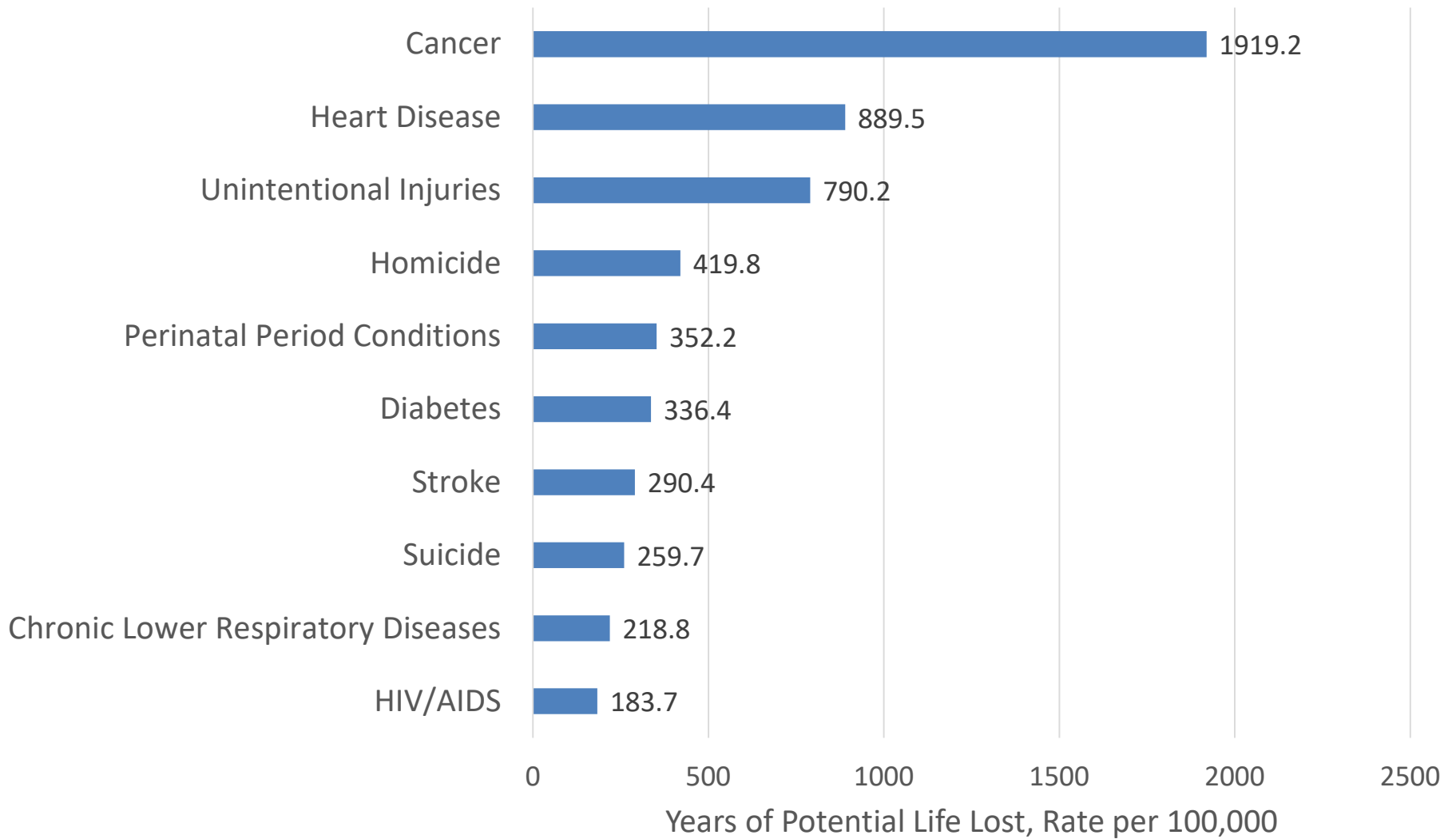
# Leading Causes of Premature Deaths

Years of Potential Life Lost, 2011-2015 (rate per 100,000)

<b>Georgia</b>	<b>West Central Health District</b>	<b>Sumter County</b>
Cancer	Cancer	Cancer
Unintentional Injury	Heart Disease	Heart Disease
Heart Disease	Unintentional Injury	Unintentional Injury
Perinatal Period Conditions	Perinatal Period Conditions	Homicide
Suicide	Suicide	Perinatal Period Conditions
Homicide	Homicide	Diabetes
Stroke	Diabetes	Stroke
Chronic Lower Respiratory Diseases	Stroke	Suicide
Diabetes	Chronic Lower Respiratory Diseases	Chronic Lower Respiratory Diseases
Birth Defects	Birth Defects	HIV/AIDS

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# Leading Causes of Premature Mortality, Sumter County, 2011-2015



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# Leading Causes of Deaths

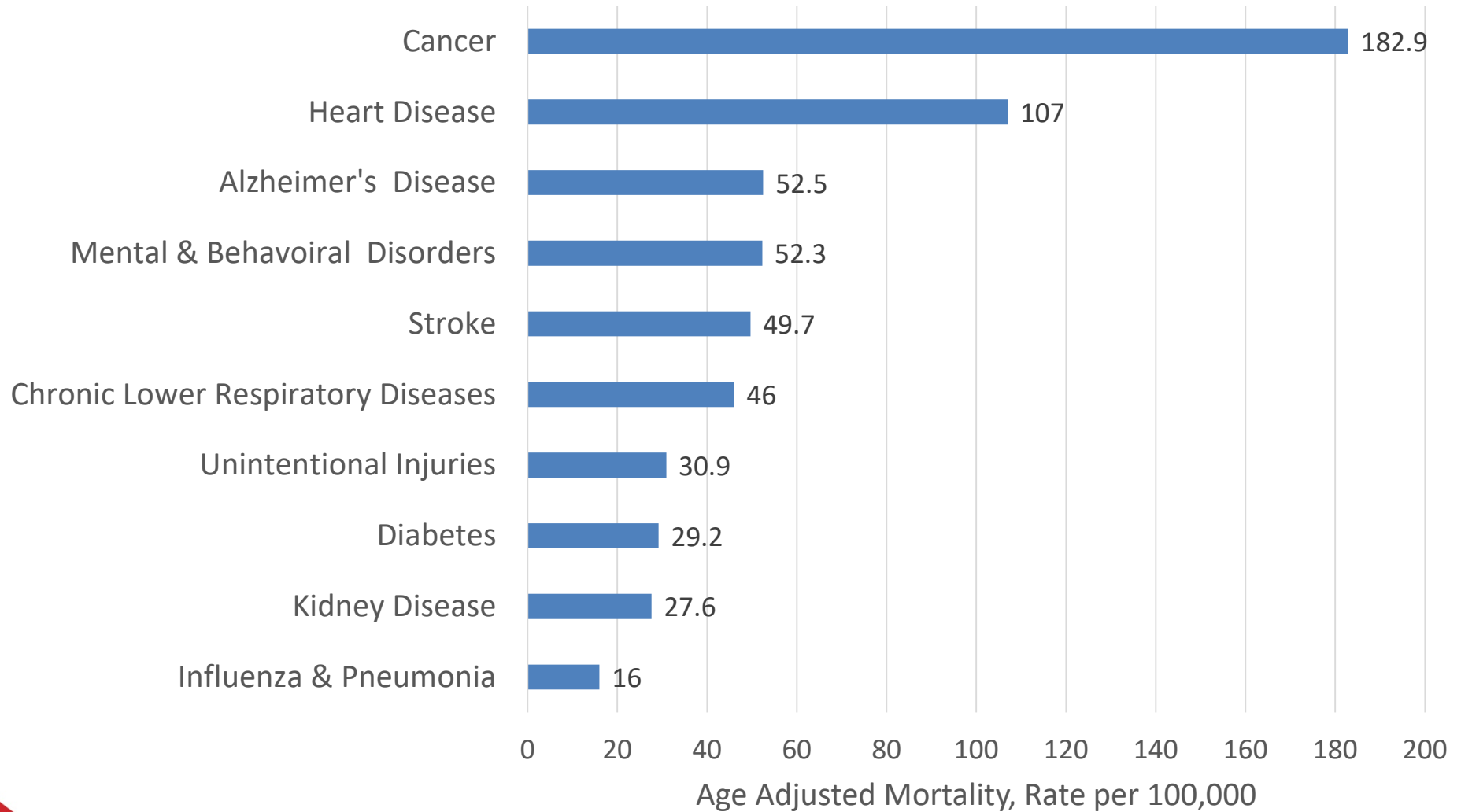
Age-Adjusted, 2011-2015 (rate per 100,000)

<b>Georgia</b>	<b>West Central Health District</b>	<b>Sumter County</b>
Cancer	Cancer	Cancer
Heart Disease	Heart Disease	Heart Disease
Mental & Behavioral Disorders	Chronic Lower Respiratory Diseases	Alzheimer's Disease
Chronic Lower Respiratory Diseases	Stroke	Mental & Behavioral Disorders
Stroke	Alzheimer's Disease	Stroke
Unintentional Injuries	Diabetes	Chronic Lower Respiratory Diseases
Alzheimer's Disease	Unintentional Injuries	Unintentional Injuries
Diabetes	Mental & Behavioral Disorders	Diabetes
Kidney Disease	Influenza & Pneumonia	Kidney Disease
Influenza & Pneumonia	Kidney Disease	Influenza & Pneumonia

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# Leading Causes of Mortality, Sumter County, 2011-2015



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# Top Ten\* County Causes of Mortality for Sumter County, GA, 2011-2015

	Georgia		West Central Health District		Sumter County	
	Age Adjusted	YPLL Rate	Age Adjusted	YPLL Rate	Age Adjusted	YPLL Rate
<b>Cancer</b>	164.8	1424.3	171.2	1628.6	182.9	1919.2
<b>Heart Disease</b>	110.8	770.9	156.0	1202.5	107.0	889.5
<b>Alzheimer's Disease</b>	30.6	10.8	38.3	22.9	52.5	64.5
<b>Mental &amp; Behavioral Disorders</b>	48.5	31.8	32.9	29.7	52.3	28.4
<b>Stroke</b>	42.0	210.1	41.5	282.5	49.7	290.4
<b>Chronic Lower Respiratory Diseases</b>	45.1	202.7	43.6	213.1	46.0	218.8
<b>Unintentional Injuries</b>	38.5	993.5	36.9	931.0	30.9	790.2
<b>Diabetes</b>	22.3	196.8	38.2	306.5	29.2	336.4
<b>Kidney Disease</b>	18.3	101.9	18.4	132.1	27.6	169.2
<b>Influenza &amp; Pneumonia</b>	16.3	89.1	19.4	128.6	16.0	101.3

\*According to Age-Adjusted Mortality Rate

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
 Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

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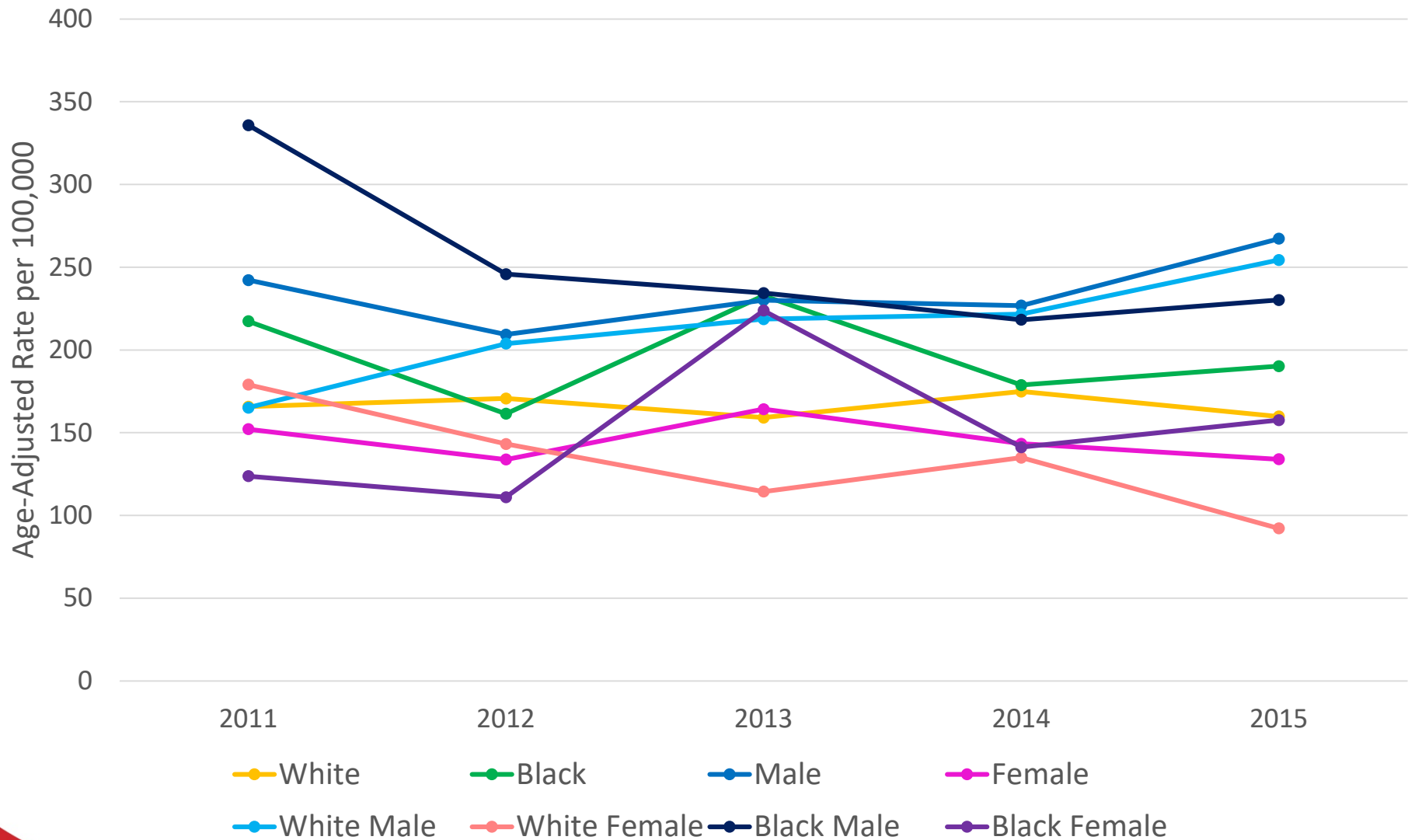
# Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of Deaths	Georgia		West Central Health District		Sumter County	
	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate
<b>Cancer</b>	164.8	1424.3	171.2	1628.6	182.9	1919.2
Male	205.3	1518.4	215.5	1722.9	235.9	2363.8
Female	136.8	1332.6	141.4	1532.1	143.9	1506.6
White	162.5	1467.9	165.8	1560.8	165.8	1590.9
Male	200.1	1580.9	201.8	1632.1	213.3	1912.4
Female	135.2	1353.0	139.9	1482.6	131.6	1263.6
Black	182.8	1509.0	184.5	1834.9	196.1	2276.6
Male	241.8	1581.2	247.4	1991.6	252.8	2911.5
Female	148.8	1444.1	146.6	1686.2	150.7	1731.1

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
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# Age-Adjusted Cancer Mortality Rates, Sumter County, by Race and Sex, 2011-2015



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# Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of Deaths	Georgia		West Central Health District		Sumter County	
	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate
<b>Heart Disease</b>	110.8	770.9	156.0	1202.5	107.0	889.5
Male	144.9	1074.8	196.6	1562.4	139.1	1155.6
Female	84.4	474.9	124.6	833.8	82.6	642.6
White	104.6	725.7	141.6	1015.6	88.4	643.6
Male	138.6	1033.3	177.8	1321.3	121.1	846.0
Female	77.4	413.0	112.3	680.1	63.8	437.6
Black	137.4	975.5	184.0	1507.9	130.7	1139.9
Male	176.9	1323.8	232.6	1975.4	156.0	1500.5
Female	109.9	662.3	149.0	1064.6	108.0	830.0

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# Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of Deaths	Georgia		West Central Health District		Sumter County	
	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate
<b>Alzheimer's Disease</b>	30.6	10.8	38.3	22.9	52.5	43.6
Male	24.2	9.6	31.2	22.6	41.1	66.7
Female	34.1	11.9	41.9	23.3	57.9	22.1
White	32.4	13.7	39.2	34.9	58.8	74.9
Male	25.3	12.5	30.7	30.1	43.9	95.4
Female	36.3	15.0	44.2	40.1	67.1	54.1
Black	26.6	6.6	36.9	11.1	40.3	21.3
Male	21.9	5.1	32.4	15.7	31.0	46.1
Female	28.6	7.9	38.3	6.7	41.4	0

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# Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of Deaths	Georgia		West Central Health District		Sumter County	
	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate
<b>Mental &amp; Behavioral Disorders</b>	48.5	31.8	32.9	29.7	52.3	28.4
	Male 42.0	Male 34.2	Male 29.6	Male 27.7	Male 47.3	Male 21.8
	Female 51.6	Female 29.4	Female 34.0	Female 31.8	Female 55.4	Female 34.5
	White 49.2	White 32.7	White 35.3	White 39.1	White 56.3	White 45.0
	Male 41.7	Male 33.1	Male 31.1	Male 33.2	Male 51.0	Male 46.9
	Female 53.2	Female 32.3	Female 36.9	Female 45.5	Female 59.3	Female 43.0
	Black 49.1	Black 35.9	Black 29.5	Black 21.6	Black 43.0	Black 16.9
	Male 46.9	Male 42.7	Male 27.0	Male 23.8	Male 37.1	Male 1.4
	Female 49.3	Female 29.8	Female 29.9	Female 19.6	Female 46.5	Female 30.3

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# Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of Deaths	Georgia		West Central Health District		Sumter County	
	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate
<b>Stroke</b>	42.0	210.1	41.5	282.5	49.7	290.4
	Male 42.5	Male 234.6	Male 45.0	Male 299.6	Male 58.7	Male 397.1
	Female 40.9	Female 186.3	Female 38.4	Female 265.0	Female 42.7	Female 191.4
	White 38.8	White 164.3	White 34.0	White 159.2	White 38.8	White 153.0
	Male 37.7	Male 180.7	Male 34.2	Male 194.3	Male 42.0	Male 204.8
	Female 38.8	Female 147.6	Female 32.5	Female 120.7	Female 35.5	Female 100.3
	Black 52.7	Black 320.5	Black 54.5	Black 446.5	Black 66.6	Black 396.9
	Male 59.7	Male 370.5	Male 67.4	Male 451.1	Male 91.5	Male 545.4
	Female 47.4	Female 275.5	Female 47.1	Female 442.2	Female 54.1	Female 269.3

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# Leading Causes of Mortality by Sex and Race, Stewart County, 2011-2015

Major Causes of Deaths	Georgia		West Central Health District		Sumter County	
	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate
<b>Chronic Lower Respiratory Disease</b>	45.1	202.7	43.6	213.1	46.0	218.8
	Male 52.5	Male 208.3	Male 52.5	Male 226.1	Male 64.5	Male 245.6
	Female 40.4	Female 197.2	Female 38.0	Female 199.8	Female 33.0	Female 194.0
	White 51.8	White 252.8	White 52.2	White 266.9	White 51.1	White 303.7
	Male 57.1	Male 245.5	Male 58.5	Male 272.6	Male 64.3	Male 319.0
	Female 48.4	Female 260.2	Female 48.0	Female 260.5	Female 41.5	Female 288.1
	Black 26.2	Black 141.6	Black 29.3	Black 170.0	Black 39.0	Black 164.9
	Male 37.9	Male 170.5	Male 42.2	Male 189.4	Male 67.5	Male 198.1
	Female 19.6	Female 116.1	Female 21.9	Female 151.5	Female 21.0	Female 136.4

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# Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of Deaths	Georgia		West Central Health District		Sumter County	
	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate
Unintentional Injuries	38.5	993.5	36.9	931.0	30.9	790.2
	Male 51.7	Male 1376.5	Male 51.3	Male 1257.4	Male 50.4	Male 1295.2
	Female 26.7	Female 620.4	Female 24.4	Female 596.6	Female 15.5	Female 321.6
	White 43.6	White 1125.6	White 40.8	White 1013.7	White 36.5	White 899.2
	Male 56.1	Male 1506.2	Male 53.1	Male 1256.7	Male 50.4	Male 1294.8
Female 31.7	Female 738.7	Female 29.8	Female 747.1	Female 24.2	Female 496.5	
Black 30.5	Black 863.5	Black 34.0	Black 899.5	Black 28.0	Black 752.4	
Male 45.9	Male 1284.1	Male 52.1	Male 1350.5	Male 57.5	Male 1381.1	
Female 18.4	Female 485.2	Female 19.3	Female 471.9	Female *	Female *	

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# Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of Deaths	Georgia		West Central Health District		Sumter County	
	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate
<b>Diabetes</b>	22.3	196.8	38.2	306.5	29.2	336.4
Male	26.6	232.1	42.6	344.4	34.7	395.7
Female	18.9	162.3	34.9	267.7	24.8	281.3
White	18.0	165.9	30.8	240.4	22.8	224.8
Male	22.5	200.8	36.5	270.3	26.2	295.5
Female	14.5	130.3	26.8	207.6	19.2	152.8
Black	37.6	286.9	52.4	412.5	38.6	445.8
Male	43.5	332.4	54.9	470.1	50.8	508.8
Female	33.4	246.0	49.8	358.0	31.0	391.7

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# Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of Deaths	Georgia		West Central Health District		Sumter County	
	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate
<b>Kidney Disease</b>	18.3	101.9	18.4	132.1	27.6	169.2
	Male 21.8	Male 117.2	Male 22.3	Male 157.8	Male 32.5	Male 211.2
	Female 16.0	Female 87.1	Female 15.5	Female 105.8	Female 23.7	Female 130.2
	White 14.8	White 71.4	White 13.4	White 81.0	White 15.6	White 69.4
	Male 18.4	Male 82.8	Male 16.9	Male 95.7	Male 17.5	Male 92.3
	Female 12.4	Female 59.8	Female 10.9	Female 64.8	Female 14.3	Female 46.2
	Black 30.3	Black 175.1	Black 28.0	Black 203.1	Black 48.4	Black 258.9
	Male 35.3	Male 206.1	Male 33.4	Male 251.7	Male 60.6	Male 328.3
	Female 27.5	Female 147.2	Female 24.0	Female 157.1	Female 39.1	Female 199.3

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# Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of Deaths	Georgia		West Central Health District		Sumter County	
	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate	Age Adjusted Death Rate	Years of Potential Life Lost Rate
<b>Influenza &amp; Pneumonia</b>	16.3	89.1	19.4	128.6	16.0	101.3
	Male 19.4	Male 100.0	Male 24.4	Male 145.7	Male 16.4	Male 152.3
	Female 14.3	Female 78.5	Female 16.4	Female 111.1	Female 14.8	Female 54.0
	White 16.9	White 86.2	White 19.2	White 109.9	White 14.8	White 50.5
	Male 19.3	Male 91.3	Male 20.6	Male 98.5	Male 10.8	Male 75.1
	Female 15.3	Female 81.1	Female 18.6	Female 122.4	Female 16.7	Female 25.5
	Black 14.7	Black 106.3	Black 19.8	Black 163.7	Black 15.2	Black 148.0
	Male 20.5	Male 131.3	Male 32.5	Male 219.8	Male 25.6	Male 229.3
	Female 11.6	Female 83.8	Female 13.0	Female 110.5	Female *	Female *

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# Age-Adjusted Cancer Mortality by Type, 2011-2015

	Georgia	West Central Health District	Sumter County
Lung Cancer	45.6	46.8	48.8
Prostate and Testicular Cancer	22.3	23.1	22.4
Breast Cancer	21.9	20.5	21.9
Colon Cancer	15.3	18.1	15.6
Cervical, Uterine, and Ovarian Cancer	14.0	14.7	16.4
Pancreatic Cancer	10.4	10.9	7.2

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
 Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

# Morbidity

# Leading Causes of Hospital Utilization

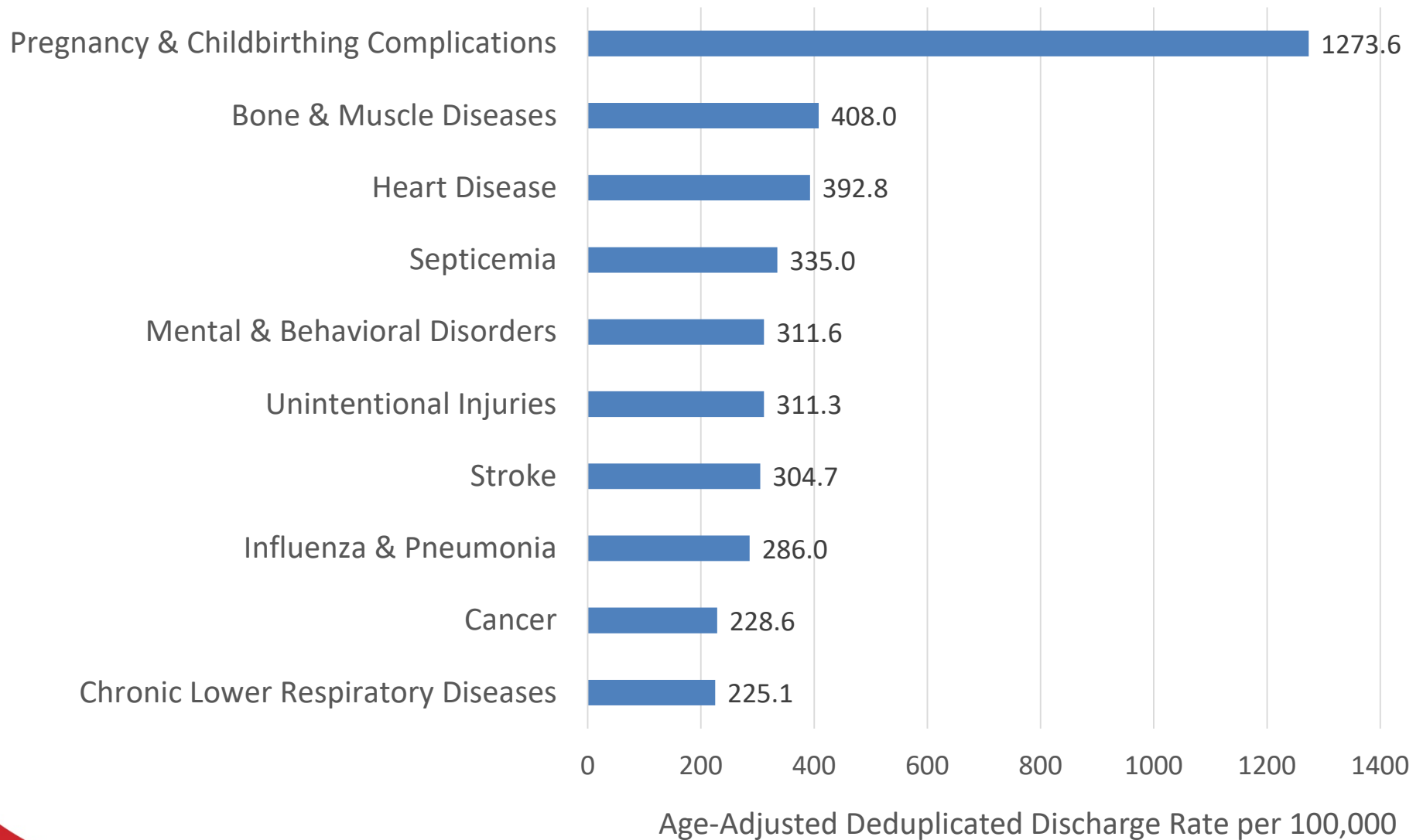
Age-Adjusted Deduplicated Discharge Rate by Health Issue, 2011-2015 (rate per 100,00)

<b>Georgia</b>	<b>West Central Health District</b>	<b>Sumter County</b>
Pregnancy and Childbirthing Complications	Pregnancy and Childbirthing Complications	Pregnancy & Childbirthing Complications
Bone & Muscle Diseases	Bone & Muscle Diseases	Bone & Muscle Diseases
Heart Disease	Mental & Behavioral Disorders	Heart Disease
Unintentional Injuries	Heart Disease	Septicemia
Mental & Behavioral Disorders	Unintentional Injuries	Mental & Behavioral Disorders
Septicemia	Influenza & Pneumonia	Unintentional Injuries
Influenza & Pneumonia	Septicemia	Stroke
Chronic Lower Respiratory Diseases	Cancer	Influenza & Pneumonia
Cancer	Stroke	Cancer
Stroke	Chronic Lower Respiratory Diseases	Chronic Lower Respiratory Diseases

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# Leading Causes of Hospital Utilization, Sumter County, 2011-2015



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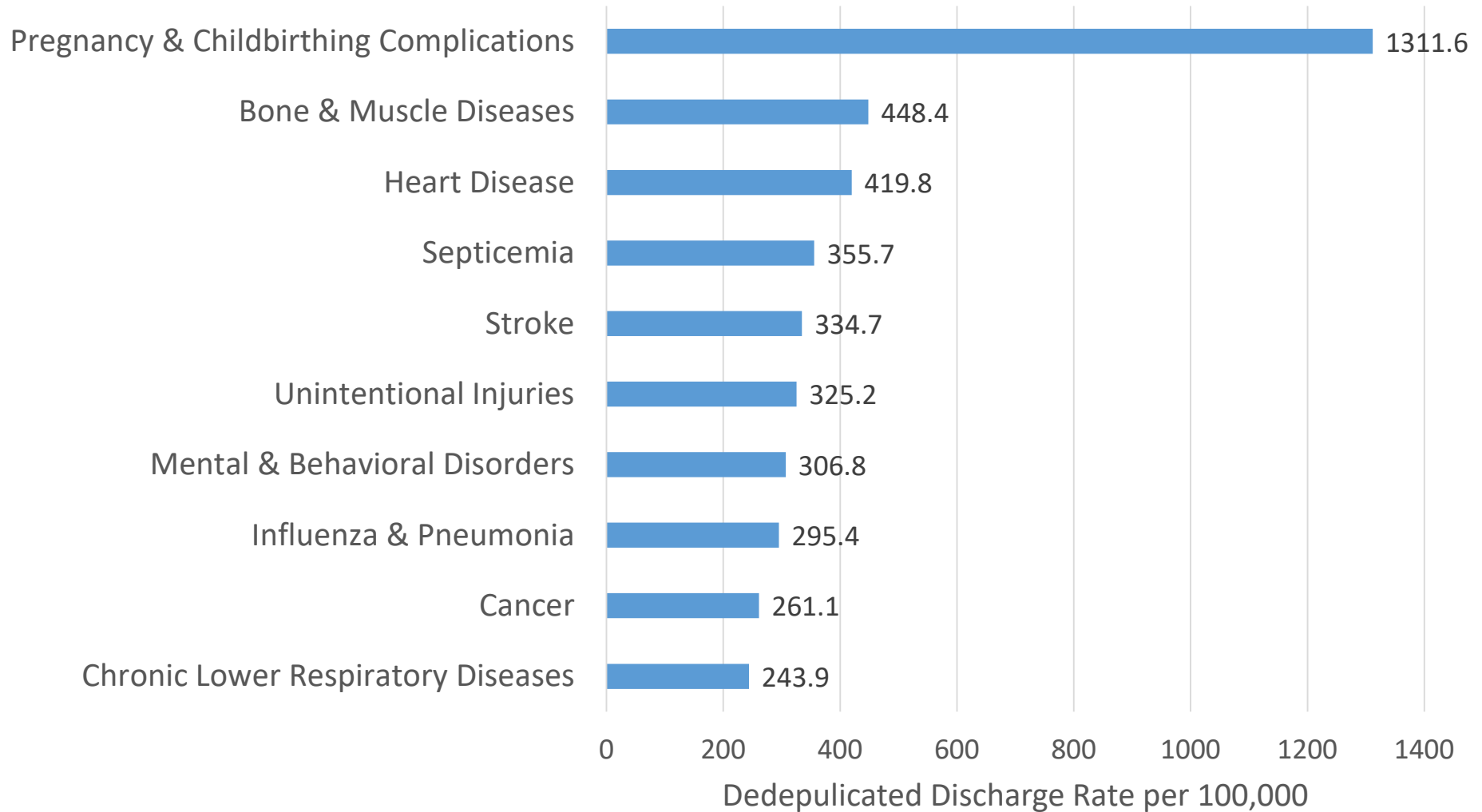
# Leading Causes of Hospital Utilization

Hospital Deduplicated Discharge by Health Issue, 2011-2015 (rate per 100,00)

<b>Georgia</b>	<b>West Central Health District</b>	<b>Sumter County</b>
Pregnancy and Childbirthing Complications	Pregnancy and Childbirthing Complications	Pregnancy and Childbirthing Complications
Bone & Muscle Disease	Bone & Muscle Disease	Bone & Muscle Disease
Heart Disease	Heart Disease	Heart Disease
Mental & Behavioral Disorders	Mental & Behavioral Disorders	Septicemia
Unintentional Injuries	Unintentional Injuries	Stroke
Septicemia	Influenza & Pneumonia	Unintentional Injuries
Influenza & Pneumonia	Septicemia	Mental & Behavioral Disorders
Chronic Lower Respiratory Diseases	Cancer	Influenza & Pneumonia
Cancer	Stroke	Cancer
Stroke	Chronic Lower Respiratory Diseases	Chronic Lower Respiratory Diseases

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# Leading Causes of Hospital Utilization, Sumter County, 2011-2015



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# Top Ten\* County Causes of Hospital Utilization for Sumter County, GA, 2011-2015

	Georgia		West Central Health District		Sumter County	
	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate
<b>Pregnancy &amp; Childbirthing Complications</b>	1346.2	1333.8	1224.4	1269.5	1273.6	1311.6
<b>Bone &amp; Muscle Diseases</b>	475.5	492.6	469.2	505.5	408.0	448.4
<b>Heart Disease</b>	382.0	388.6	385.6	413.6	392.8	419.8
<b>Septicemia</b>	299.4	291.9	224.1	258.9	335.0	355.7
<b>Stroke</b>	189.3	186.0	224.0	240.1	304.7	334.7
<b>Unintentional Injuries</b>	357.5	340.5	339.9	346.7	311.3	325.2
<b>Mental &amp; Behavioral Disorders</b>	355.2	356.3	405.1	406.3	311.6	306.8
<b>Influenza &amp; Pneumonia</b>	279.1	267.7	279.2	289.6	286.0	295.4
<b>Cancer</b>	209.1	215.8	234.6	255.4	228.6	261.1
<b>Chronic Lower Respiratory Diseases</b>	231.1	232.4	214.4	227.2	225.1	243.9

\*According to Deduplicated Discharge Rate

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

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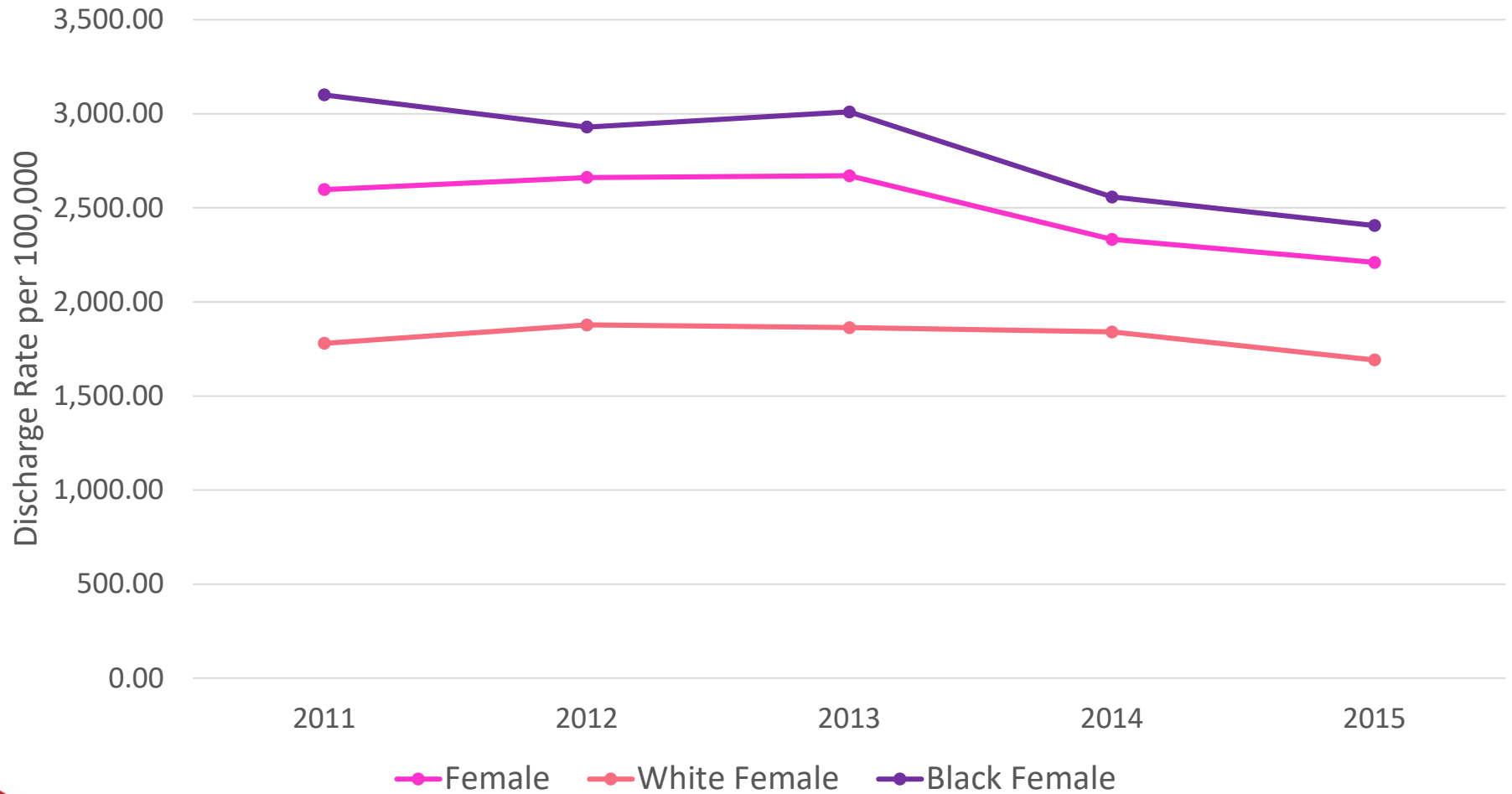
# Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of Hospital Discharge	Georgia		West Central Health District		Sumter County	
	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate
<b>Pregnancy &amp; Childbirthing Complications</b>	1346.2	1333.8	1224.4	1269.5	1273.6	1311.6
Male	-	Male	Male	Male	Male	Male
Female	2691.1	Female	Female	Female	Female	Female
White	1102.2	White	White	White	White	White
Male	-	Male	Male	Male	Male	Male
Female	2268.7	Female	Female	Female	Female	Female
Black	1452.2	Black	Black	Black	Black	Black
Male	-	Male	Male	Male	Male	Male
Female	2782.1	Female	Female	Female	Female	Female

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
 Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

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# Pregnancy & Childbirthing Complications Hospital Deduplicated Discharge Rates, Sumter County, by Race and Sex, 2011-2015



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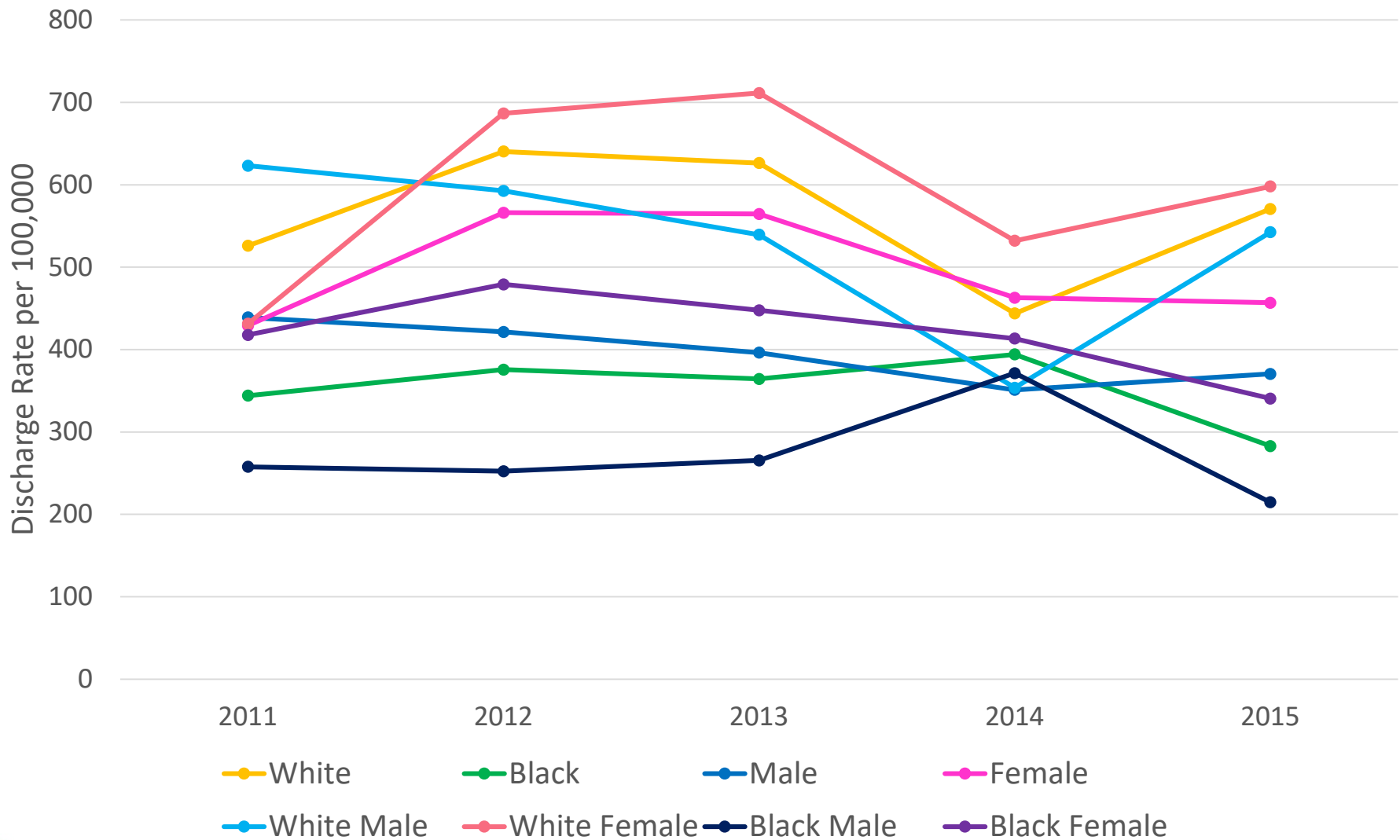
# Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of Hospital Discharge	Georgia		West Central Health District		Sumter County	
	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate
<b>Bone &amp; Muscle Diseases</b>	475.5	492.6	469.2	505.5	408.0	448.4
	Male 448.1	Male 438.4	Male 456.0	Male 453.1	Male 387.6	Male 396.1
	Female 498.0	Female 544.2	Female 479.4	Female 557.5	Female 428.2	Female 495.7
	White 497.6	White 575.2	White 493.1	White 588.4	White 414.7	White 561.5
	Male 475.1	Male 519.4	Male 494.2	Male 542.3	Male 434.1	Male 531.6
	Female 516.5	Female 630.6	Female 489.7	Female 637.0	Female 397.6	Female 590.5
	Black 417.4	Black 372.0	Black 416.1	Black 413.8	Black 366.9	Black 352.3
	Male 364.8	Male 306.8	Male 373.4	Male 345.1	Male 302.2	Male 272.3
	Female 454.9	Female 429.7	Female 449.8	Female 477.3	Female 420.1	Female 419.9

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
 Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

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# Bone & Muscle Diseases Hospital Deduplicated Discharge Rates, Sumter County, by Race and Sex, 2011-2015



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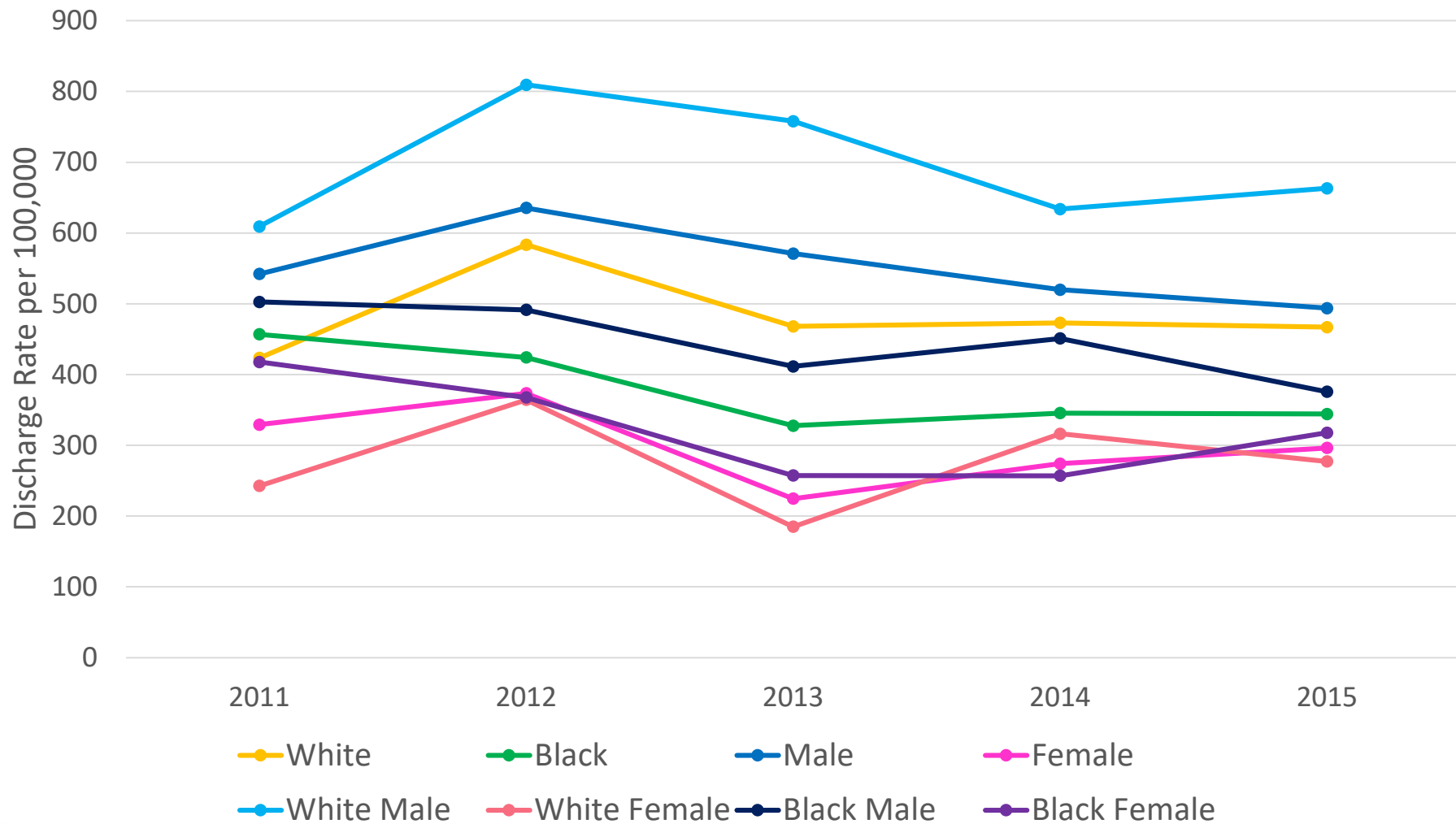
# Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of Hospital Discharge	Georgia		West Central Health District		Sumter County	
	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate
<b>Heart Disease</b>	382.0	388.6	385.6	413.6	392.8	419.8
Male	493.8	471.2	489.6	476.4	548.4	552.7
Female	288.1	309.8	299.8	351.2	261.6	299.8
White	344.5	396.8	341.7	420.8	350.2	482.7
Male	467.0	503.7	464.8	516.2	536.6	694.3
Female	236.9	290.8	232.8	320.2	186.6	276.9
Black	470.3	397.9	438.6	414.1	450.8	380.2
Male	544.1	428.5	509.5	438.2	548.3	446.9
Female	412.5	370.8	383.8	391.9	361.6	323.9

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
 Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

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# Heart Disease Hospital Deduplicated Discharge Rates, Sumter County, by Race and Sex, 2011-2015



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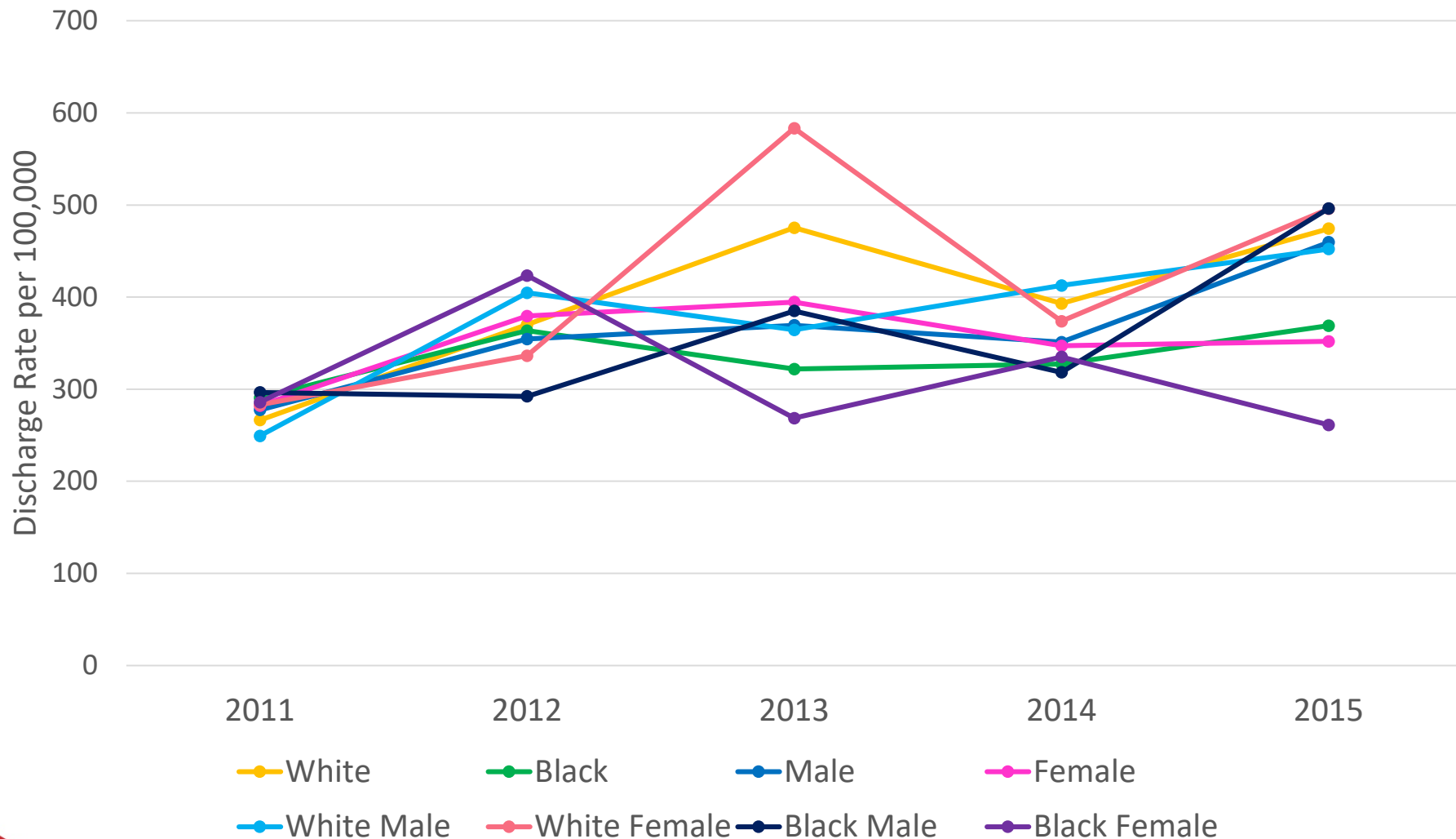
## Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of Hospital Discharge	Georgia		West Central Health District		Sumter County	
	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate
<b>Septicemia</b>	299.4	291.9	244.1	258.9	335.0	355.7
Male	318.5	280.4	272.7	255.6	369.6	361.3
Female	287.0	302.9	223.4	262.1	305.7	350.6
White	276.4	304.5	193.8	235.9	285.4	393.9
Male	287.5	286.5	208.5	222.6	304.7	374.7
Female	270.5	322.4	183.9	250.0	266.0	412.5
Black	360.3	286.8	320.9	292.4	405.9	334.2
Male	414.0	287.3	382.6	303.4	463.6	357.0
Female	326.8	286.2	280.4	282.2	361.1	314.9

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
 Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

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# Septicemia Hospital Deduplicated Discharge Rates, Sumter County, by Race and Sex, 2011-2015



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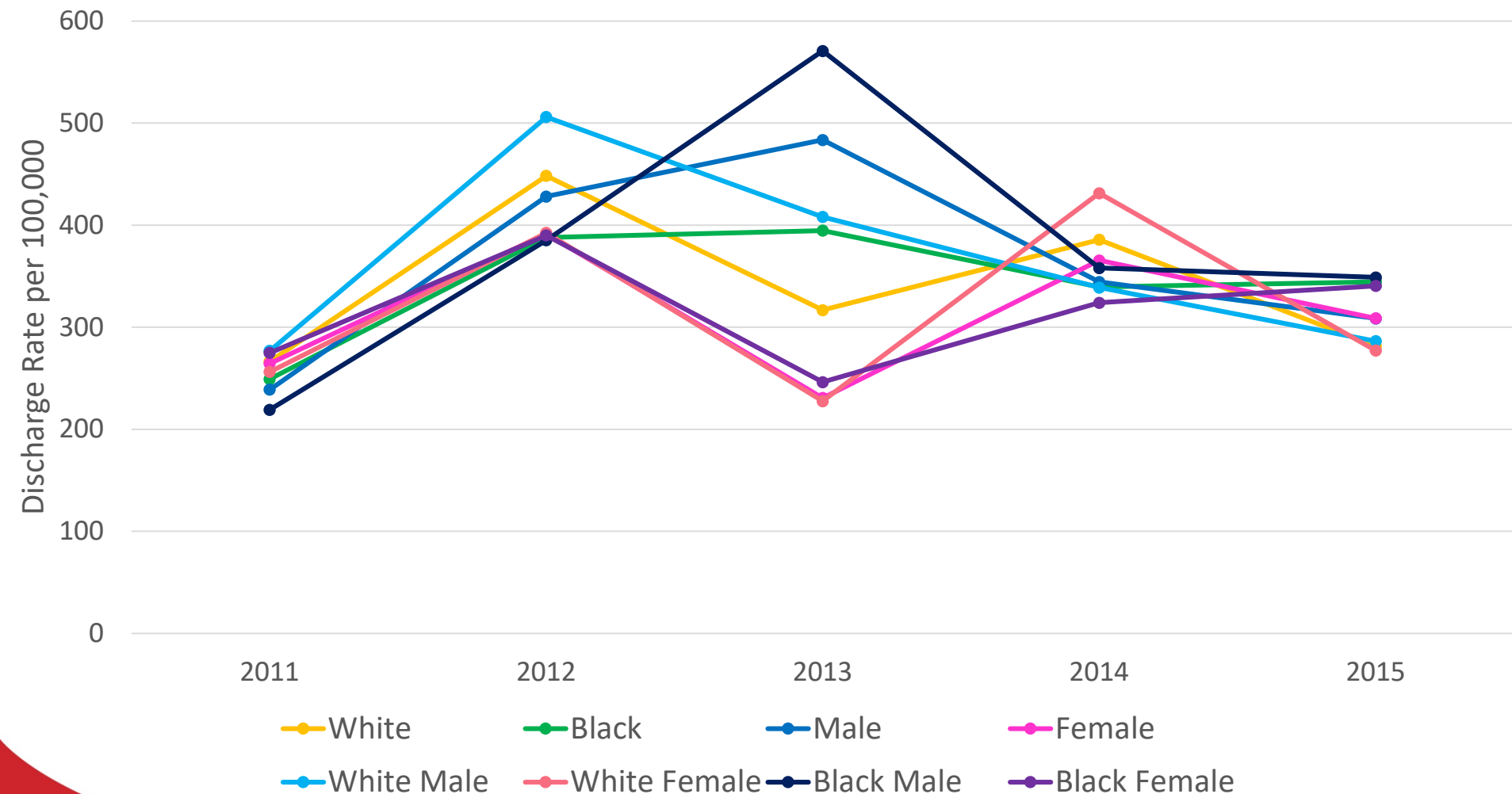
## Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of Hospital Discharge	Georgia		West Central Health District		Sumter County	
	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate
<b>Stroke</b>	189.3	186.0	224.0	240.1	304.7	334.7
Male	209.3	188.8	248.9	236.5	356.3	360.0
Female	172.3	183.4	203.8	243.7	263.5	311.9
White	160.3	179.9	178.5	224.6	223.4	339.5
Male	178.3	181.8	203.5	222.2	266.3	363.1
Female	144.4	178.0	156.6	227.2	185.9	316.4
Black	259.8	209.2	284.7	267.6	416.6	342.7
Male	290.0	213.1	314.4	265.7	515.1	375.5
Female	236.6	205.7	262.3	269.4	356.2	314.9

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
 Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

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# Stroke Hospital Deduplicated Discharge Rates, Sumter County, by Race and Sex, 2011-2015



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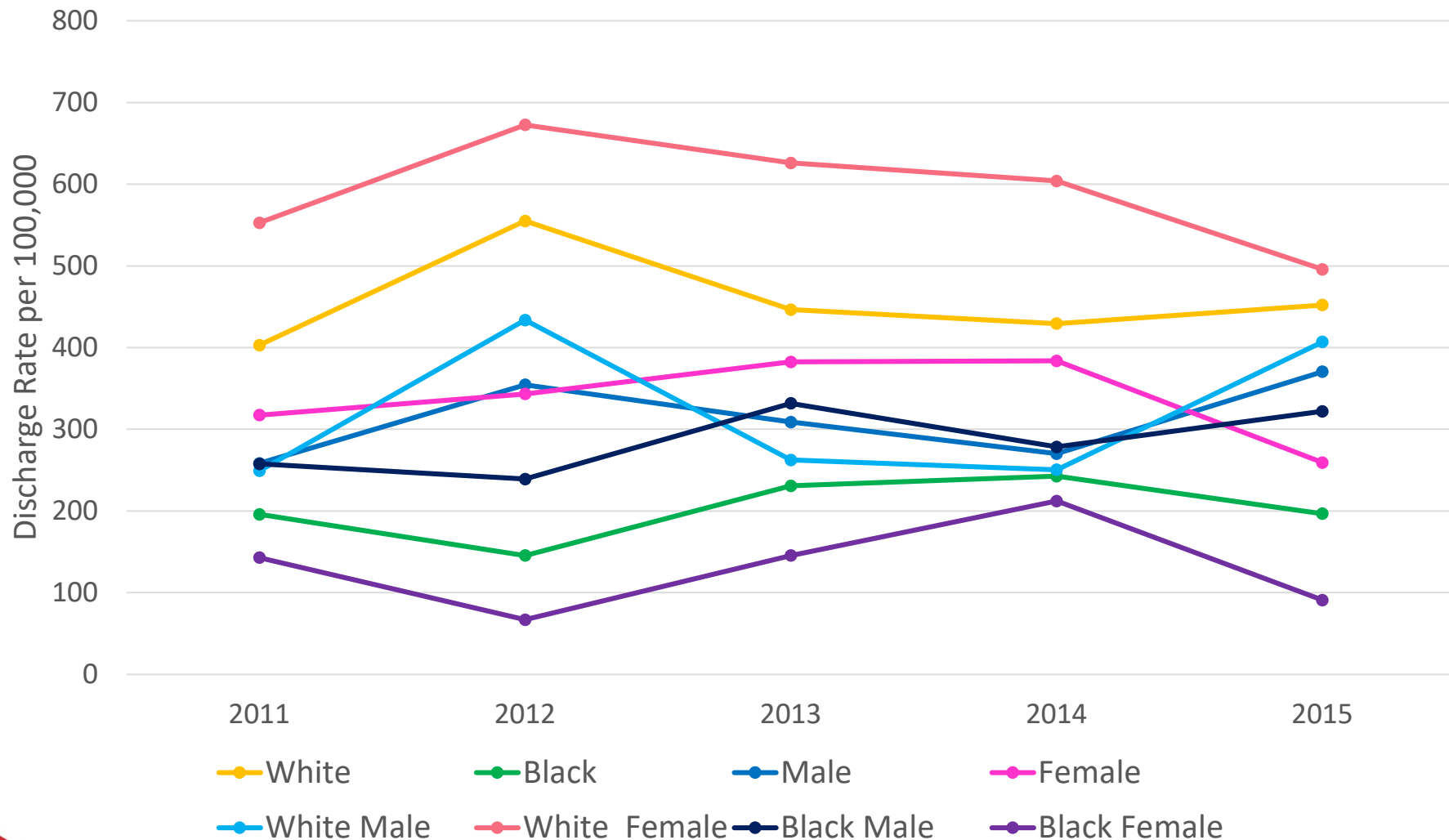
# Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of Hospital Discharge	Georgia		West Central Health District		Sumter County	
	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate
<b>Unintentional Injuries</b>	357.5	340.5	339.9	346.7	311.3	325.2
	Male 360.7	Male 329.6	Male 337.0	Male 317.5	Male 326.0	Male 311.8
	Female 339.6	Female 350.9	Female 322.3	Female 375.6	Female 282.8	Female 337.3
	White 377.0	White 396.6	White 390.1	White 448.3	White 330.9	White 456.9
	Male 357.0	Male 346.7	Male 356.8	Male 361.7	Male 274.8	Male 319.6
	Female 378.2	Female 446.0	Female 395.5	Female 539.6	Female 362.3	Female 590.5
	Black 271.5	Black 237.5	Black 247.4	Black 231.1	Black 237.0	Black 202.2
	Male 327.9	Male 287.1	Male 289.9	Male 261.7	Male 338.3	Male 285.6
	Female 218.5	Female 193.6	Female 203.5	Female 202.7	Female 153.5	Female 131.8

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
 Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

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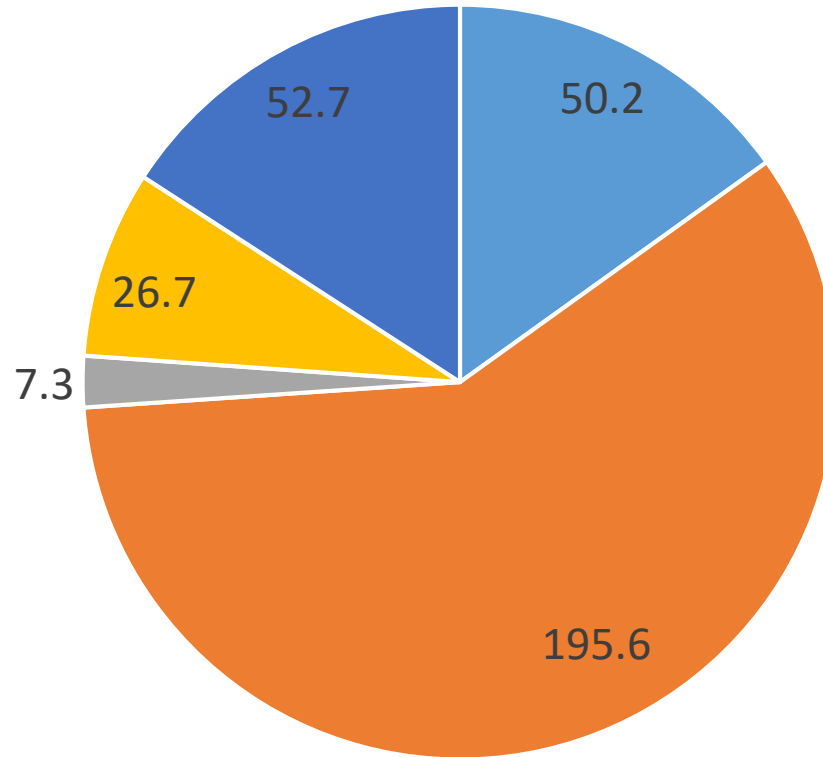
# Unintentional Injuries Hospital Deduplicated Discharge Rates, Sumter County, by Race and Sex, 2011-2015



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# Deduplicated Discharge Rate per 100,000 by Type of Unintentional Injury, Sumter County, 2011-2015



- Motor Vehicle Crashes
- Falls
- Fire & Smoke Exposure
- Poisoning
- All other Unintentional Injuries

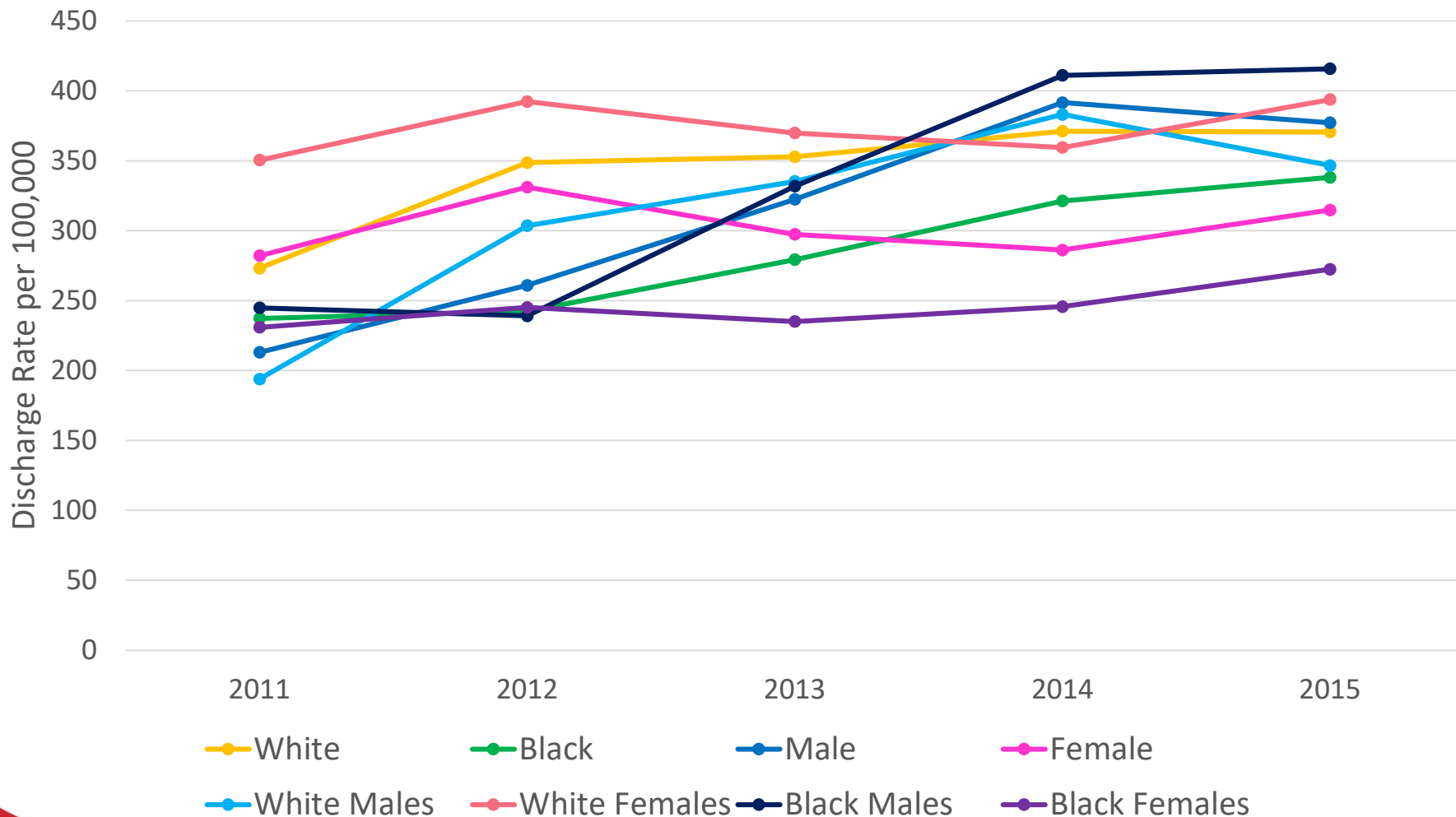
# Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of Hospital Discharge	Georgia		West Central Health District		Sumter County	
	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate
<b>Mental &amp; Behavioral Disorders</b>	355.2	356.3	405.1	406.3	311.6	306.8
	Male 336.7	Male 336.1	Male 361.0	Male 361.1	Male 324.8	Male 311.8
	Female 372.8	Female 375.7	Female 454.5	Female 451.2	Female 301.1	Female 302.2
	White 346.3	White 350.0	White 414.2	White 416.4	White 333.4	White 342.3
	Male 312.4	Male 314.6	Male 335.0	Male 339.8	Male 309.8	Male 310.8
	Female 380.5	Female 385.1	Female 507.4	Female 497.2	Female 357.6	Female 372.9
	Black 380.9	Black 377.5	Black 394.3	Black 395.9	Black 304.5	Black 283.3
	Male 402.8	Male 392.5	Male 394.8	Male 392.1	Male 365.2	Male 327.9
	Female 363.5	Female 364.3	Female 397.3	Female 399.4	Female 258.7	Female 245.7

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
 Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

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# Mental & Behavioral Disorders Hospital Deduplicated Discharge Rates, Sumter County, by Race and Sex, 2011-2015



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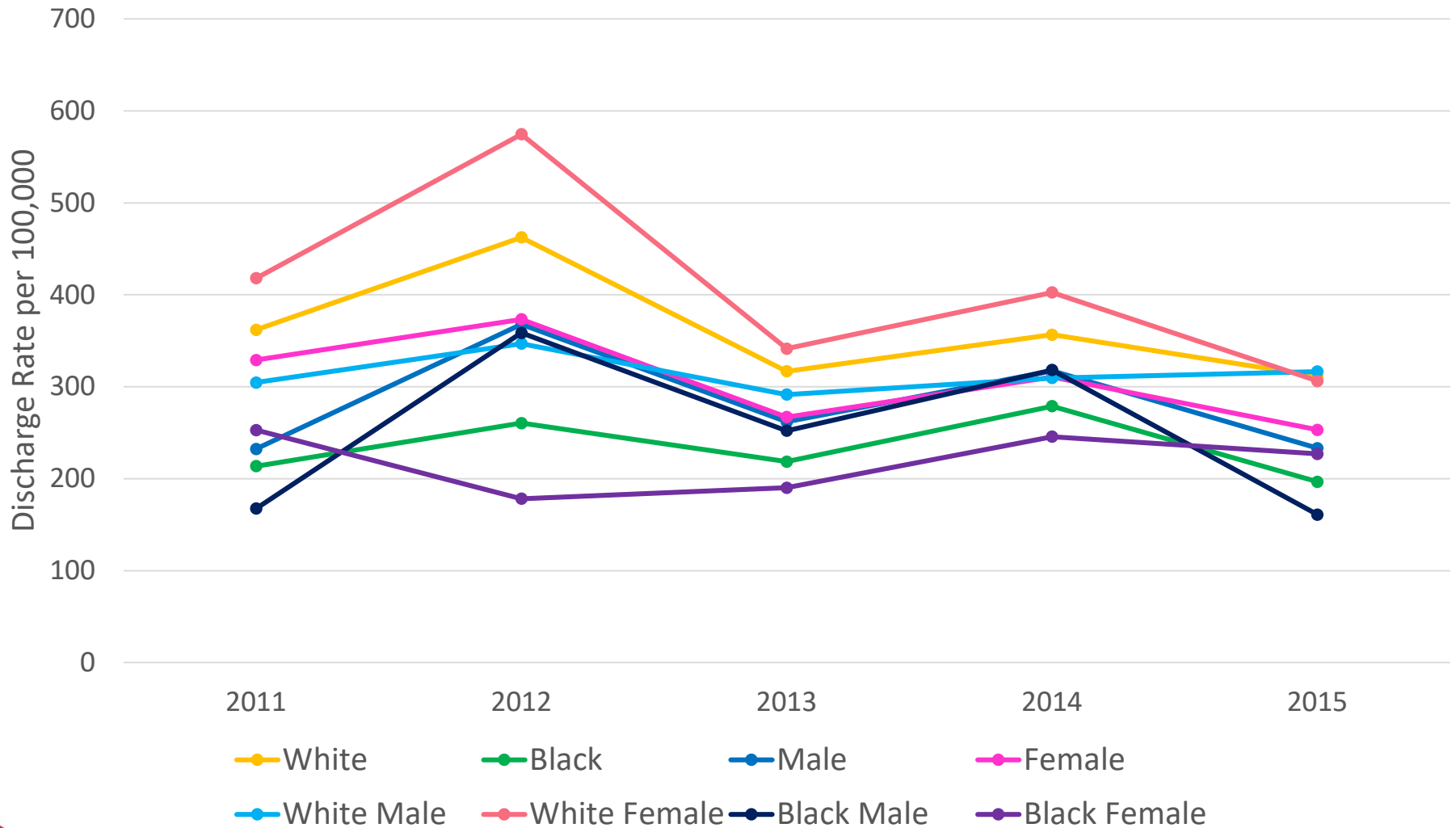
# Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of Hospital Discharge	Georgia		West Central Health District		Sumter County	
	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate
<b>Influenza &amp; Pneumonia</b>	279.1	267.7	279.2	289.6	286.0	295.4
	Male 291.9	Male 252.0	Male 302.1	Male 273.2	Male 298.3	Male 282.4
	Female 271.8	Female 282.7	Female 266.6	Female 306.0	Female 278.5	Female 307.1
	White 270.0	White 290.0	White 251.5	White 300.5	White 255.0	White 362.4
	Male 277.8	Male 266.4	Male 266.2	Male 271.9	Male 245.6	Male 313.7
	Female 266.9	Female 313.4	Female 246.4	Female 330.7	Female 268.7	Female 409.7
	Black 287.7	Black 239.7	Black 302.1	Black 278.1	Black 269.6	Black 233.7
	Male 311.5	Male 234.7	Male 342.4	Male 278.6	Male 293.6	Male 251.2
	Female 273.0	Female 244.2	Female 277.1	Female 277.6	Female 246.8	Female 218.9

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
 Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

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# Influenza & Pneumonia Hospital Deduplicated Discharge Rates, Sumter County, by Race and Sex, 2011-2015



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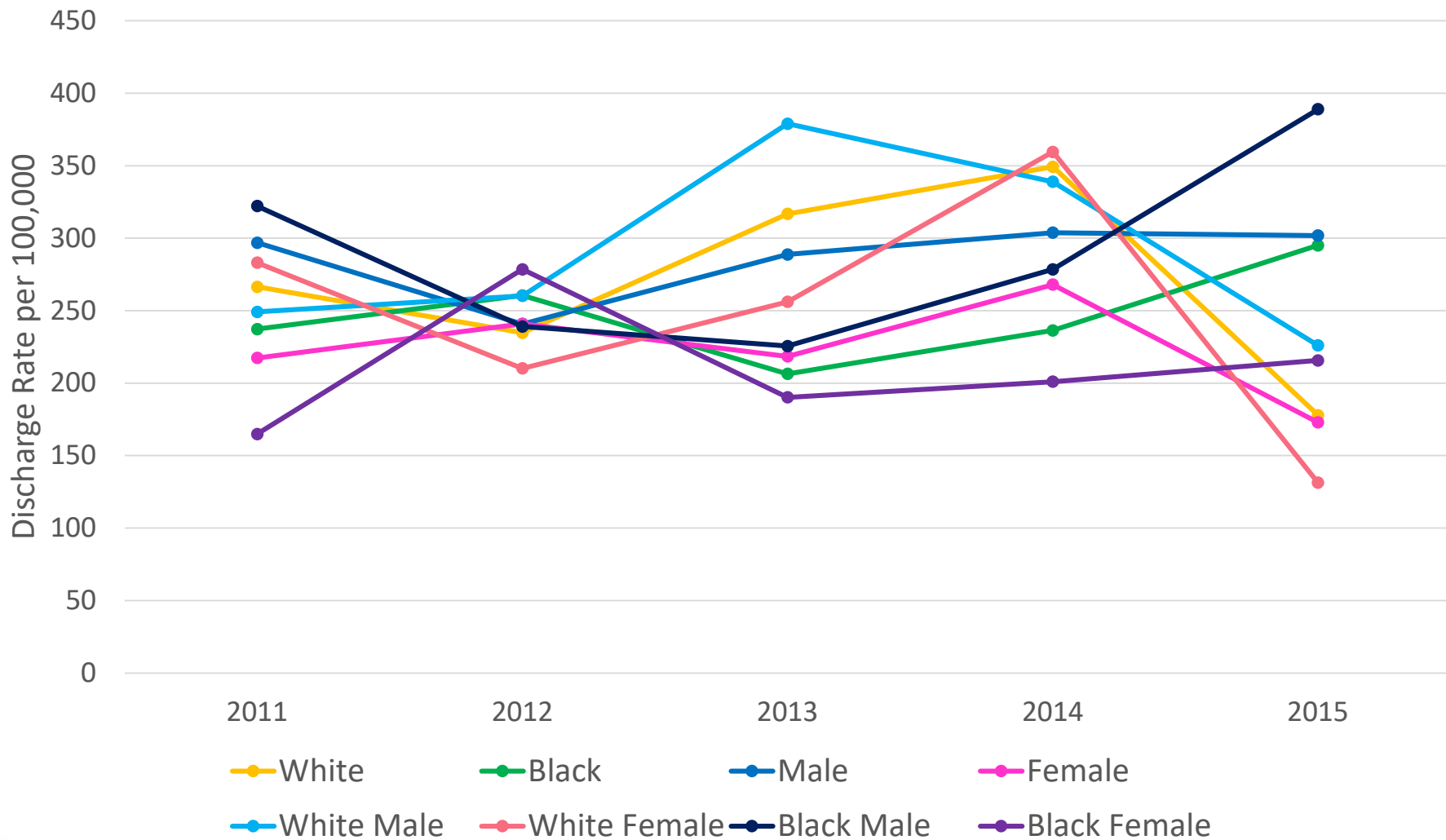
# Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of Hospital Discharge	Georgia		West Central Health District		Sumter County	
	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate
<b>Cancer</b>	209.1	215.8	234.6	255.4	228.6	253.4
Male	231.2	222.3	255.2	254.1	271.6	286.4
Female	193.5	209.6	221.6	256.7	195.3	223.7
White	194.3	224.4	215.9	265.6	182.7	269.3
Male	215.8	234.3	229.6	258.0	216.0	290.5
Female	178.3	214.5	208.3	273.6	158.1	248.6
Black	239.9	205.6	254.4	247.3	268.0	247.0
Male	268.1	204.7	283.3	252.1	313.5	290.9
Female	222.9	206.3	236.0	243.0	227.8	210.0

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
 Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

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# Cancer Hospital Deduplicated Discharge Rates, Sumter County, by Race and Sex, 2011-2015



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# Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

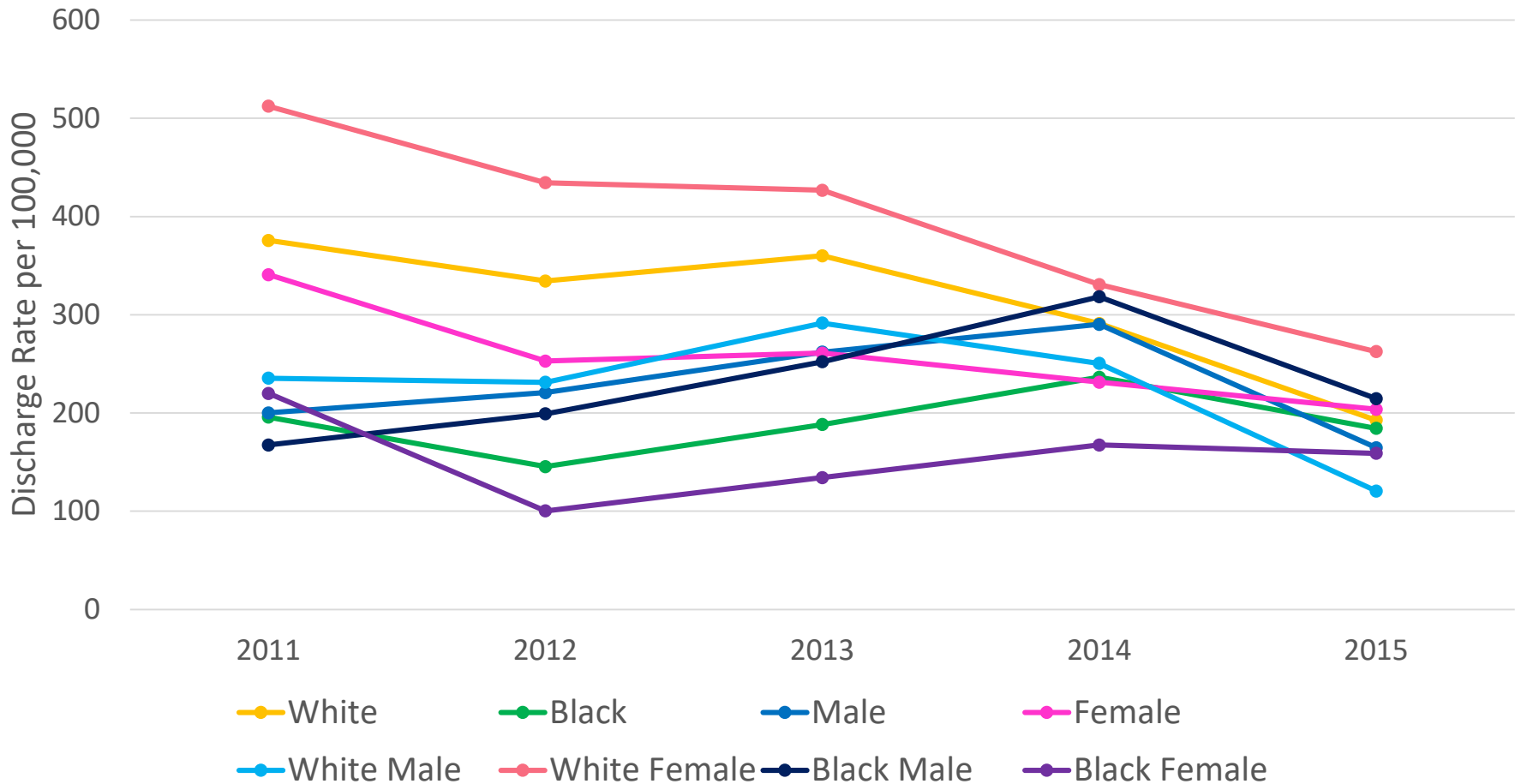
Major Causes of Hospital Discharge	Georgia		West Central Health District		Sumter County	
	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate	Age-Adjusted Deduplicated Discharge Rate	Deduplicated Discharge Rate
<b>Chronic Lower Respiratory Diseases</b>	231.1	232.4	214.4	227.2	225.1	243.9
	Male 208.7	Male 193.7	Male 204.1	Male 194.4	Male 229.1	Male <b>227.5</b>
	Female 251.8	Female 269.4	Female <b>225.4</b>	Female 259.8	Female 224.5	Female 258.7
	White 219.5	White 246.4	White <b>196.8</b>	White 241.4	White 214.7	White <b>312.2</b>
	Male 192.0	Male 197.6	Male 175.2	Male 189.3	Male 175.9	Male <b>226.6</b>
	Female 246.3	Female 294.8	Female <b>218.7</b>	Female 296.2	Female 250.5	Female <b>395.5</b>
	Black 253.4	Black 225.1	Black <b>222.8</b>	Black 214.7	Black <b>212.0</b>	Black <b>190.1</b>
	Male 242.8	Male 199.7	Male 231.3	Male 202.5	Male <b>291.7</b>	Male <b>230.0</b>
	Female 262.6	Female 247.6	Female <b>219.7</b>	Female 225.9	Female <b>162.1</b>	Female <b>156.4</b>

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
 Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

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# CLRD Hospital Deduplicated Discharge Rates, Sumter County, by Race and Sex, 2011-2015



\*Note: On 10/1/15, diagnosis codes switched from ICD9 to ICD10. The majority of cause categories stayed in trend, however some did not. Suffocation, Influenza, Bronchitis, and Asthma saw decreases. Disorders Related to Drug Use (under Mental and Behavioral Disorders) and All Other Chronic Lower Respiratory Disease saw increases. These changes could be 1) real and/or 2) reflect true differences in coding between ICD9 and ICD10, and/or 3) reflect difficulty in adoption of reporting ICD10 codes.

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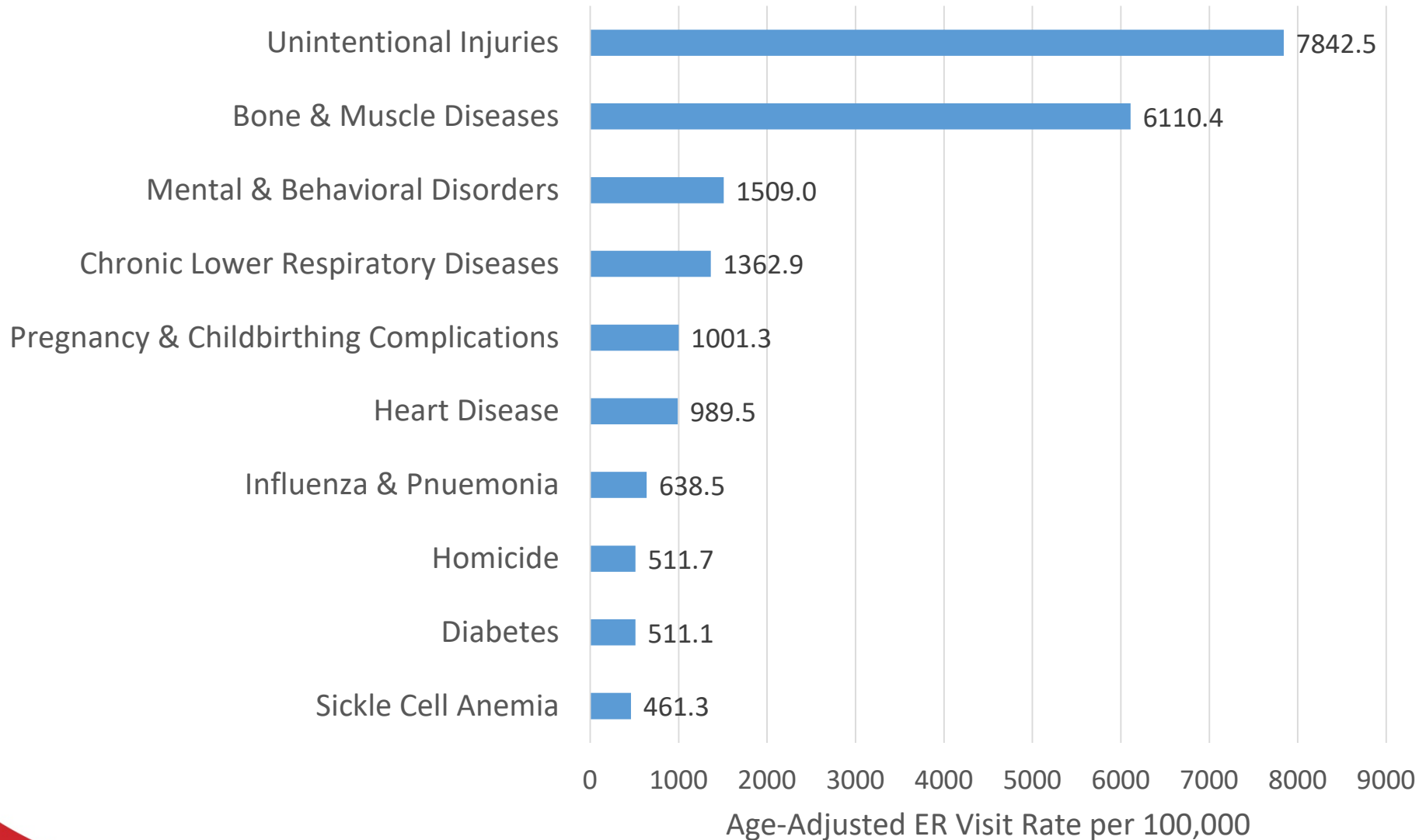
# Leading Causes of Hospital Utilization

Emergency Room Visits by Health Issue, Adjusted for Age, 2011-2015 (rate per 100,00)

<b>Georgia</b>	<b>West Central Health District</b>	<b>Sumter County</b>
Unintentional Injuries	Unintentional Injuries	Unintentional Injuries
Bone & Muscle Diseases	Bone & Muscle Diseases	Bone & Muscle Diseases
Chronic Lower Respiratory Diseases	Pregnancy & Childbirthing Complications	Mental & Behavioral Disorders
Mental & Behavioral Disorders	Chronic Lower Respiratory Diseases	Chronic Lower Respiratory Diseases
Pregnancy & Childbirthing Complications	Mental & Behavioral Disorders	Pregnancy & Childbirthing Complications
Influenza & Pneumonia	Heart Disease	Heart Disease
Heart Disease	Influenza & Pneumonia	Influenza & Pnuemonia
Homicide	Homicide	Homicide
Diabetes	Diabetes	Diabetes
Sickle Cell Anemia	Sickle Cell Anemia	Sickle Cell Anemia

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# Leading Causes of Hospital ER Visits, Sumter County, 2011-2015



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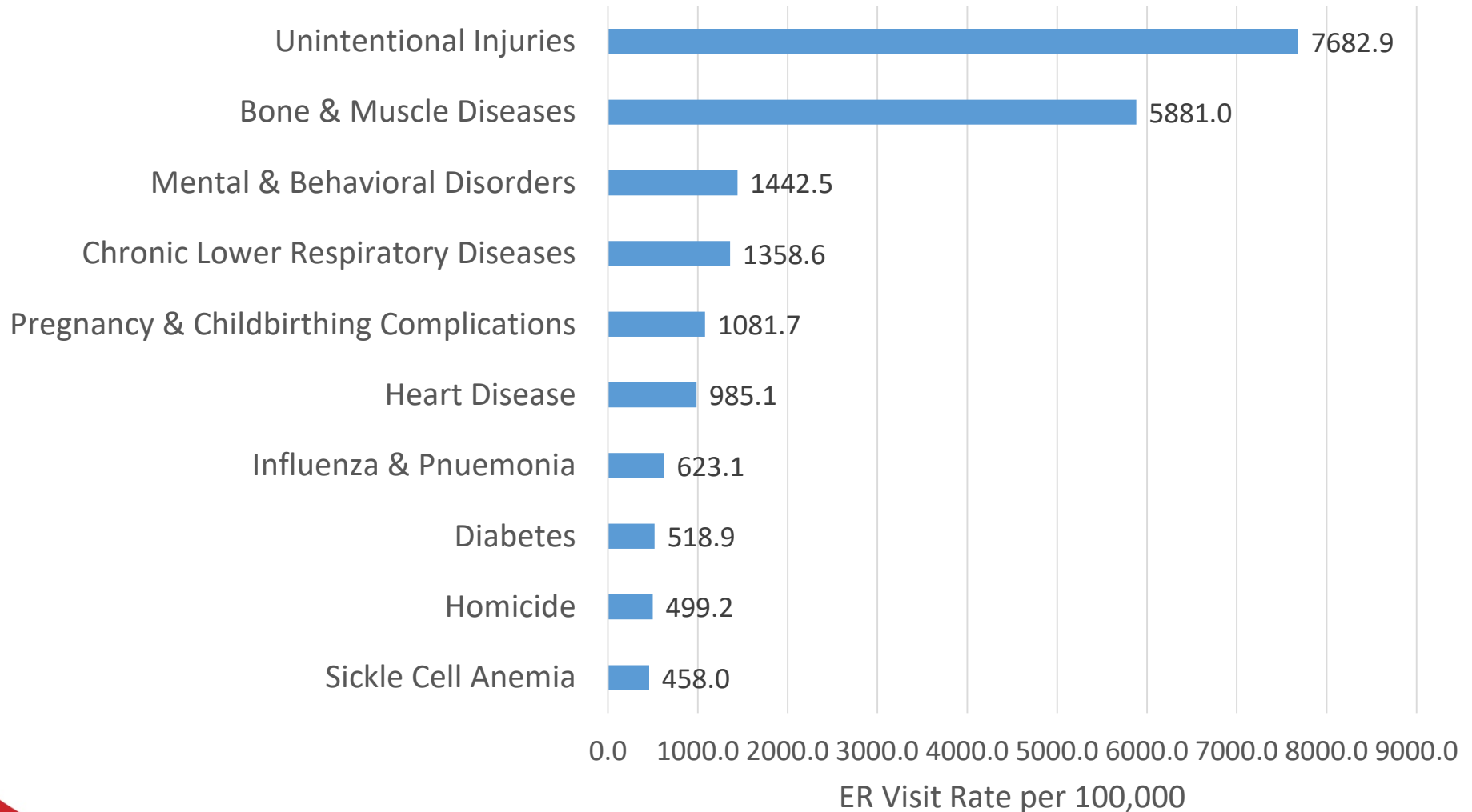
# Leading Causes of Hospital Utilization

Emergency Room Visits by Health Issue, 2011-2015 (rate per 100,00)

<b>Georgia</b>	<b>West Central Health District</b>	<b>Sumter County</b>
Unintentional Injuries	Unintentional Injuries	Unintentional Injuries
Bone & Muscle Diseases	Bone & Muscle Diseases	Bone & Muscle Diseases
Chronic Lower Respiratory Diseases	Pregnancy & Childbirthing Complications	Mental & Behavioral Disorders
Mental & Behavioral Disorders	Chronic Lower Respiratory Diseases	Chronic Lower Respiratory Diseases
Pregnancy & Childbirthing Complications	Mental & Behavioral Disorders	Pregnancy & Childbirthing Complications
Heart Disease	Heart Disease	Heart Disease
Influenza & Pneumonia	Influenza & Pneumonia	Influenza & Pnuemonia
Homicide	Diabetes	Diabetes
Diabetes	Homicide	Homicide
Suicide	Suicide	Sickle Cell Anemia

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# Leading Causes of Hospital ER Visits, Sumter County, 2011-2015



***We Protect Lives.***

## Top Ten County Causes of Hospital ER Visits for Sumter County, GA, 2011-2015

	Georgia		West Central Health District		Sumter County	
	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate
Unintentional Injuries	6784.5	6697.2	5761.2	5700.8	7842.5	7682.9
Bone & Muscle Diseases	2880.2	2881.6	3045.1	3047.1	6110.4	5881.0
Mental & Behavioral Disorders	990.5	989.2	1030.9	1024.5	1509.0	1442.5
Chronic Lower Respiratory Diseases	1057.8	1058.5	1134.9	1140.1	1362.9	1358.6
Pregnancy & Childbirthing Complications	948.1	952.3	1328.8	1398.9	1001.3	1081.7
Heart Disease	480.1	483.0	632.1	642.9	989.5	985.1
Influenza & Pneumonia	485.2	477.0	430.9	427.2	638.5	623.1
Diabetes	250.3	252.7	345.3	353.9	511.1	518.9
Homicide	272.5	271.5	353.2	350.1	511.7	499.2
Sickle Cell Anemia	115.5	113.4	262.1	265.4	461.3	458.0

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
 Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

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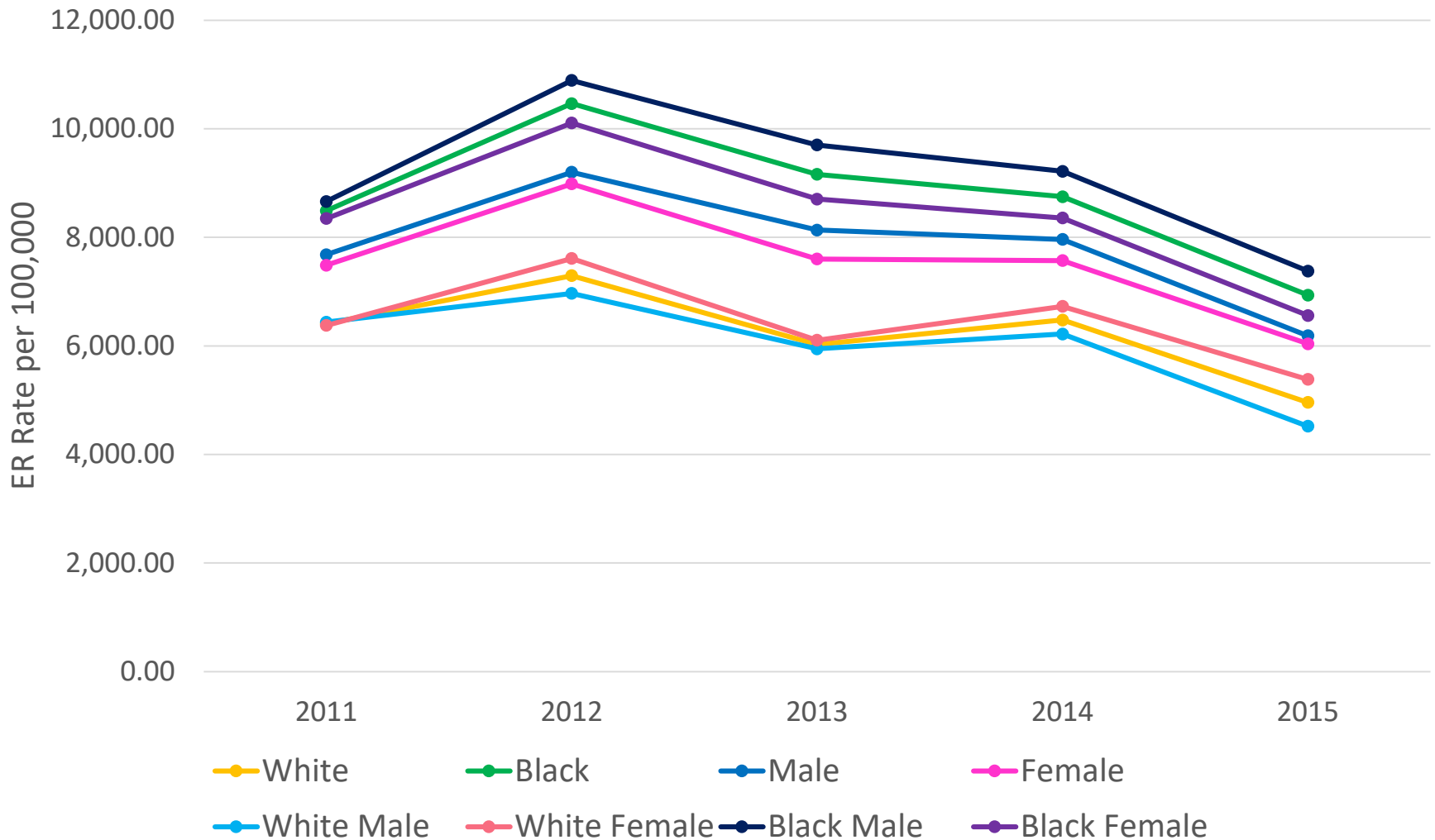
## Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of ER Visits	Georgia		West Central Health District		Sumter County	
	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate
<b>Unintentional Injuries</b>	6784.5	6697.2	5761.2	5700.8	7842.5	7682.9
	Male 6892.4	Male 6852.5	Male 5701.9	Male 5639.0	Male 8012.3	Male 7838.2
	Female 6614.7	Female 6548.8	Female 5775.4	Female 5762.2	Female 7599.8	Female 7542.7
	White 6315.4	White 6171.6	White 4949.3	White 4905.7	White 6256.6	White 6243.5
	Male 6344.7	Male 6162.0	Male 4782.4	Male 4632.2	Male 6313.9	Male 6033.8
	Female 6226.7	Female 6181.0	Female 5087.6	Female 5194.1	Female 6094.9	Female 6447.4
	Black 7460.5	Black 7573.4	Black 6416.0	Black 6432.0	Black 8801.6	Black 8763.7
	Male 7645.5	Male 7950.9	Male 6464.9	Male 6591.9	Male 9068.1	Male 9169.8
	Female 7210.2	Female 7239.5	Female 6313.4	Female 6284.2	Female 8504.3	Female 8420.6

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
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# Unintentional Injury Hospital ER Rates, Sumter County, by Race and Sex, 2011-2015

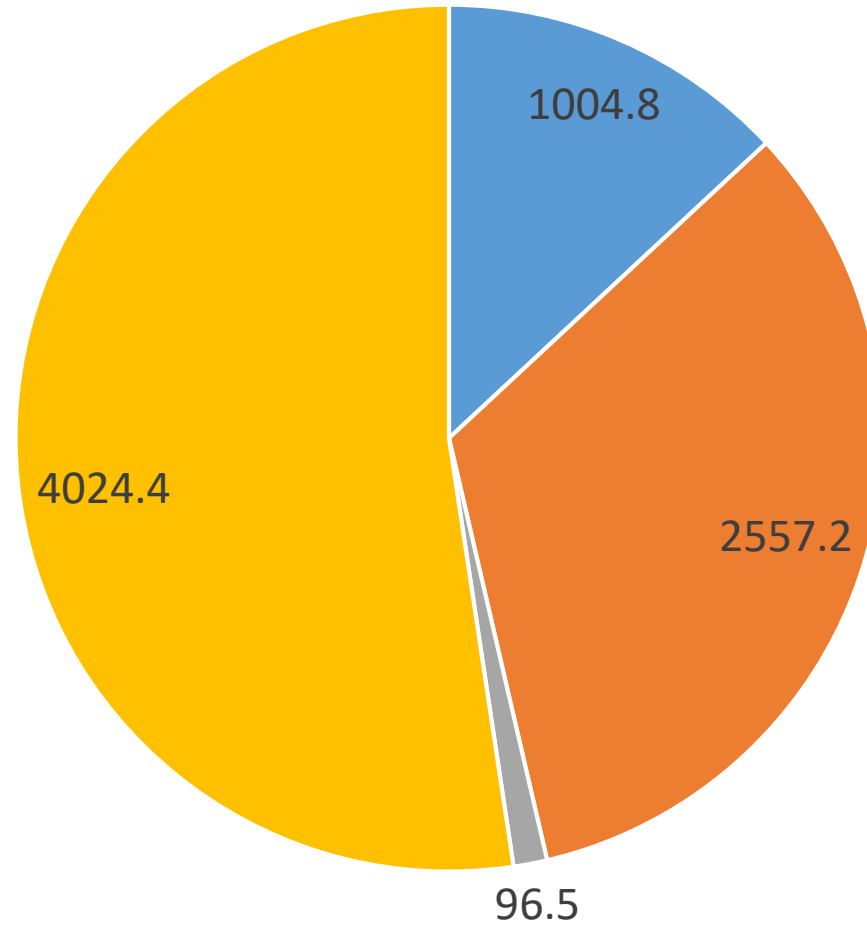


If querying all "External Causes" or certain subcategories within the External Causes category, there is an undercount of ER Visits for year 2015 only. This undercount primarily affects residents of DeKalb, Fulton, and Cobb counties, and is most pronounced in ages 0-19.

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# ER Visit Rate per 100,000 by Type of Unintentional Injury, Sumter County, 2011-2015



■ Motor Vehicle Crashes ■ Falls ■ Poisoning ■ All other Unintentional Injuries

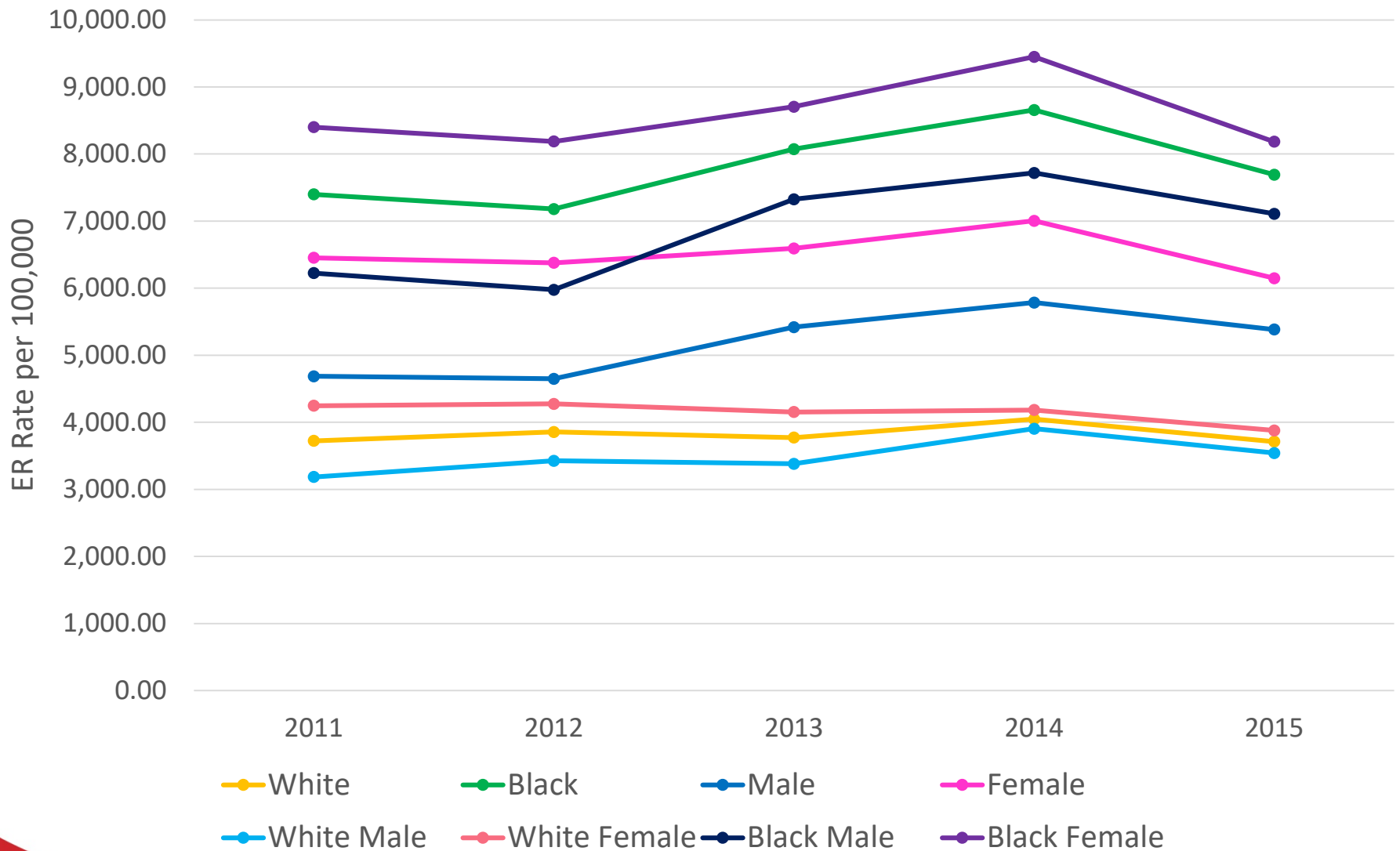
## Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of ER Visits	Georgia		West Central Health District		Sumter County	
	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate
<b>Bone &amp; Muscle Diseases</b>	2880.2	2881.6	3045.1	3047.1	6110.4	5881.0
	Male 2432.0	Male 2417.9	Male 2471.0	Male 2452.6	Male 5390.6	Male 5179.1
	Female 3294.8	Female 3324.3	Female 3617.2	Female 3637.5	Female 6740.4	Female 6515.1
	White 2182.4	White 2203.6	White 1931.8	White 1975.6	White 3844.4	White 3821.4
	Male 1860.6	Male 1874.0	Male 1,628.6	Male 1646.7	Male 3564.1	Male 3483.1
	Female 2498.5	Female 2530.5	Female 2265.8	Female 2322.4	Female 4122.9	Female 4150.4
	Black 4484.9	Black 4351.8	Black 4423.3	Black 4341.5	Black 8368.7	Black 7798.7
	Male 3839.0	Male 3645.4	Male 3586.8	Male 3474.7	Male 7550.1	Male 6866.7
	Female 5010.4	Female 4976.6	Female 5175.9	Female 5143.3	Female 9058.1	Female 8585.9

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
 Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

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# Bone & Muscle Diseases Hospital ER Rates, Sumter County, by Race and Sex, 2011-2015



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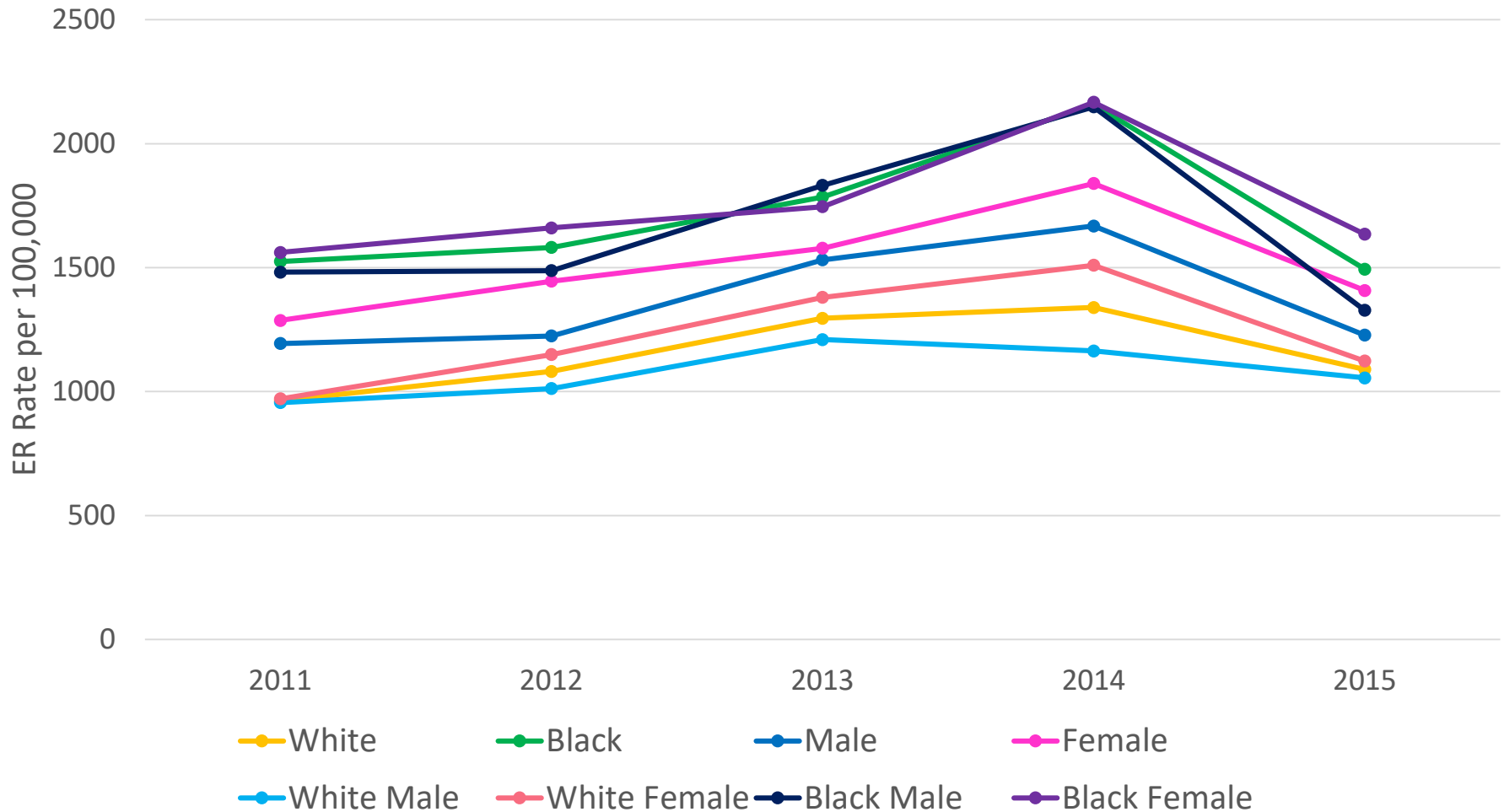
## Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of ER Visits	Georgia		West Central Health District		Sumter County	
	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate
<b>Mental &amp; Behavioral Disorders</b>	990.5	989.2	1030.9	1024.5	1509.0	1442.5
	Male 1007.4	Male 1010.5	Male 998.3	Male 995.3	Male 1457.0	Male 1367.7
	Female 973.8	Female 968.8	Female 1074.1	Female 1053.5	Female 1559.2	Female 1510.0
	White 903.5	White 896.5	White 905.0	White 904.1	White 1206.7	White 1151.6
	Male 882.2	Male 884.3	Male 872.1	Male 882.9	Male 1119.6	Male 1077.8
	Female 924.5	Female 908.6	Female 952.6	Female 926.5	Female 1293.0	Female 1223.4
	Black 1179.4	Black 1184.8	Black 1176.4	Black 1170.7	Black 1795.2	Black 1708.4
	Male 1296.1	Male 1287.5	Male 1152.4	Male 1136.7	Male 1817.3	Male 1655.2
	Female 1081.7	Female 1094.0	Female 1206.6	Female 1202.2	Female 1787.1	Female 1753.4

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
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# Mental & Behavioral Disorders Hospital ER Rates, Sumter County, by Race and Sex, 2011-2015



On 10/1/15, diagnosis codes switched from ICD9 to ICD10. The majority of cause categories stayed in trend, however some did not. Suffocation, Influenza, Bronchitis, and Asthma saw decreases. Disorders Related to Drug Use (under Mental and Behavioral Disorders) and All Other Chronic Lower Respiratory Disease saw increases. These changes could be 1) real and/or 2) reflect true differences in coding between ICD9 and ICD10, and/or 3) reflect difficulty in adoption of reporting ICD10 codes.

If querying all "External Causes" or certain subcategories within the External Causes category, there is an undercount of ER Visits for year 2015 only. This undercount primarily affects residents of DeKalb, Fulton, and Cobb counties, and is most pronounced in ages 0-19.

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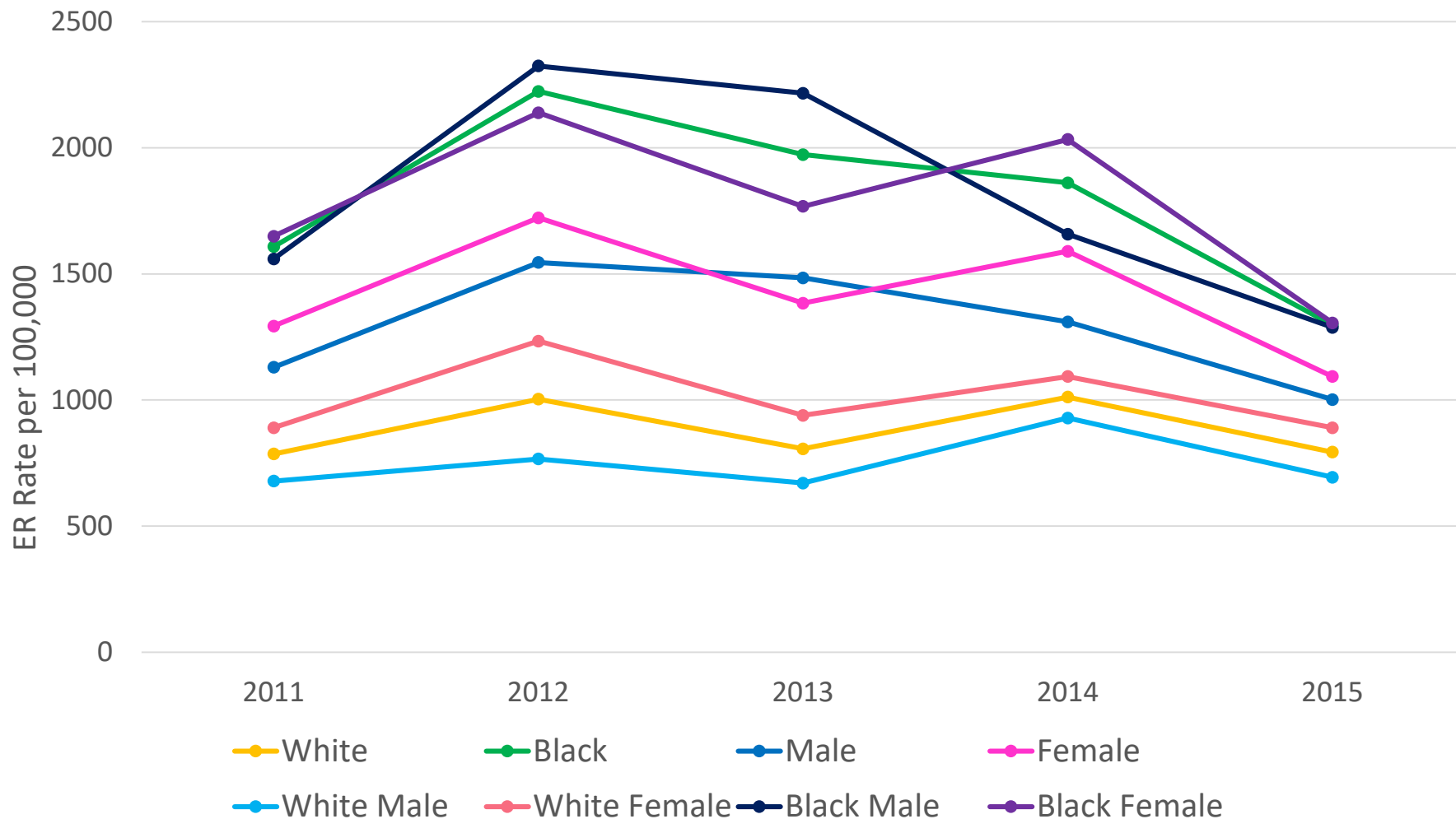
## Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of ER Visits	Georgia		West Central Health District		Sumter County	
	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate
<b>Chronic Lower Respiratory Diseases</b>	1057.8	1058.5	1134.9	1140.1	1362.9	1358.6
	Male 966.0	Male 965.1	Male 1042.2	Male 1028.3	Male 1307.6	Male 1294.1
	Female 1141.9	Female 1147.6	Female 1238.3	Female 1251.1	Female 1422.9	Female 1416.9
	White 732.2	White 748.0	White 649.5	White 693.4	White 821.9	White 879.4
	Male 614.5	Male 616.5	Male 533.6	Male 552.6	Male 706.6	Male 746.6
	Female 852.2	Female 878.5	Female 784.6	Female 841.9	Female 935.9	Female 1008.6
	Black 1673.7	Black 1684.0	Black 1665.6	Black 1671.5	Black 1829.0	Black 1793.2
	Male 1657.0	Male 1691.5	Male 1627.3	Male 1619.9	Male 1920.4	Male 1808.6
	Female 1672.5	Female 1677.4	Female 1711.6	Female 1719.2	Female 1788.8	Female 1780.2

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
 Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

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# CLRD Hospital ER Rates, Sumter County, by Race and Sex, 2011-2015



On 10/1/15, diagnosis codes switched from ICD9 to ICD10. The majority of cause categories stayed in trend, however some did not. Suffocation, Influenza, Bronchitis, and Asthma saw decreases. Disorders Related to Drug Use (under Mental and Behavioral Disorders) and All Other Chronic Lower Respiratory Disease saw increases. These changes could be 1) real and/or 2) reflect true differences in coding between ICD9 and ICD10, and/or 3) reflect difficulty in adoption of reporting ICD10 codes.

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## Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

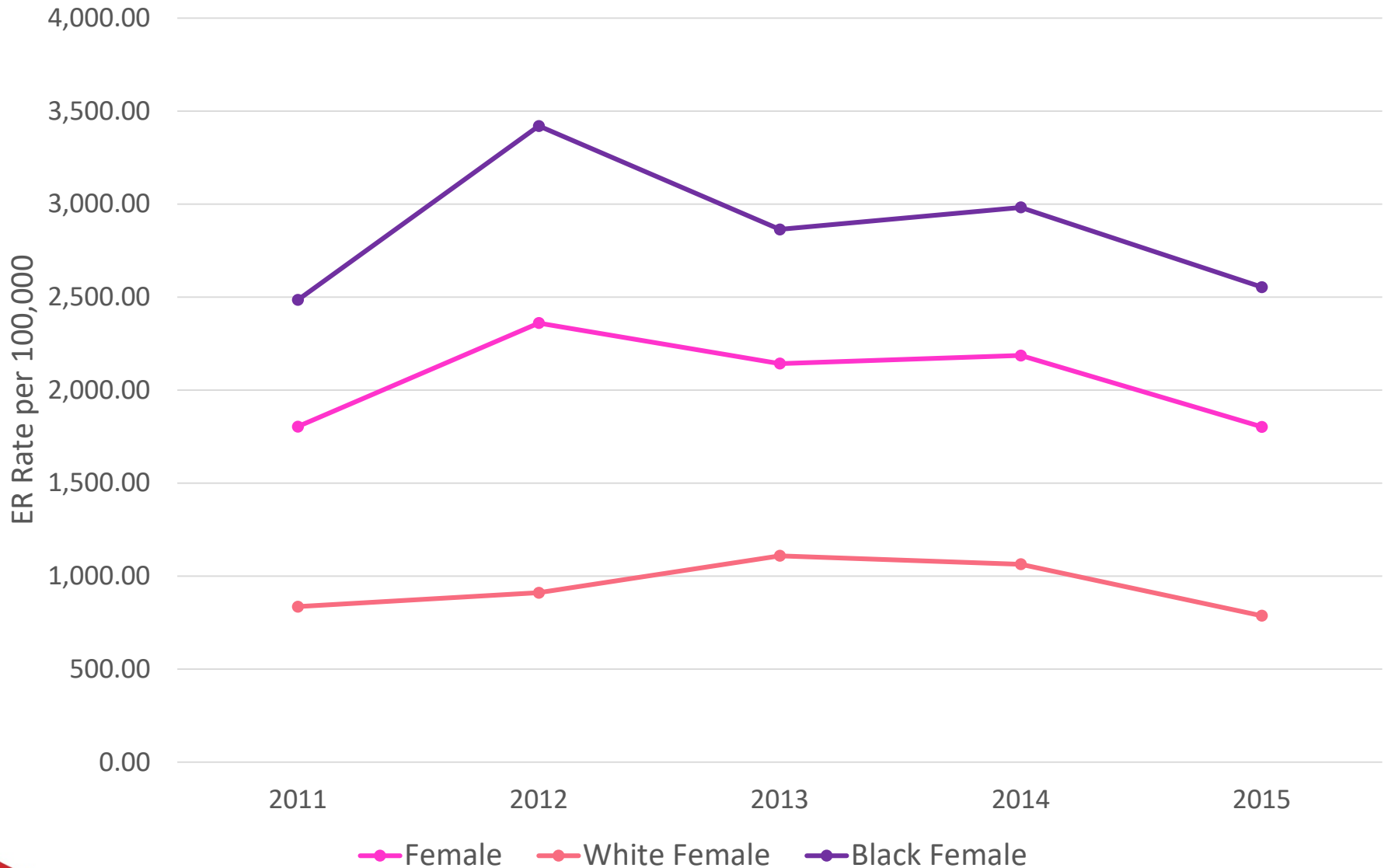
Major Causes of ER Visits	Georgia		West Central Health District		Sumter County	
	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate
<b>Pregnancy &amp; Childbirthing Complications</b>	948.1	952.3	1328.8	1398.9	1001.3	1081.7
	Male -	Male -	Male -	Male -	Male -	Male -
	Female 1907.6	Female 1861.6	Female 2888.9	Female 2787.9	Female 1978.3	Female 2058.9
	White 619.4	White 584.7	White 770.9	White 774.1	White 496.2	White 477.0
	Male -	Male -	Male -	Male -	Male -	Male -
Female 1280.6	Female 1164.7	Female 1794.7	Female 1590.6	Female 1046.7	Female 940.8	
Black 1441.3	Black 1589.7	Black 1885.6	Black 2077.2	Black 1327.9	Black 1551.0	
Male -	Male -	Male -	Male -	Male -	Male -	
Female 2778.4	Female 2995.7	Female 3821.4	Female 3998.4	Female 2491.3	Female 2861.2	

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
 Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

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# Pregnancy & Childbirthing Complications Hospital ER Rates, Sumter County, by Race and Sex, 2011-2015



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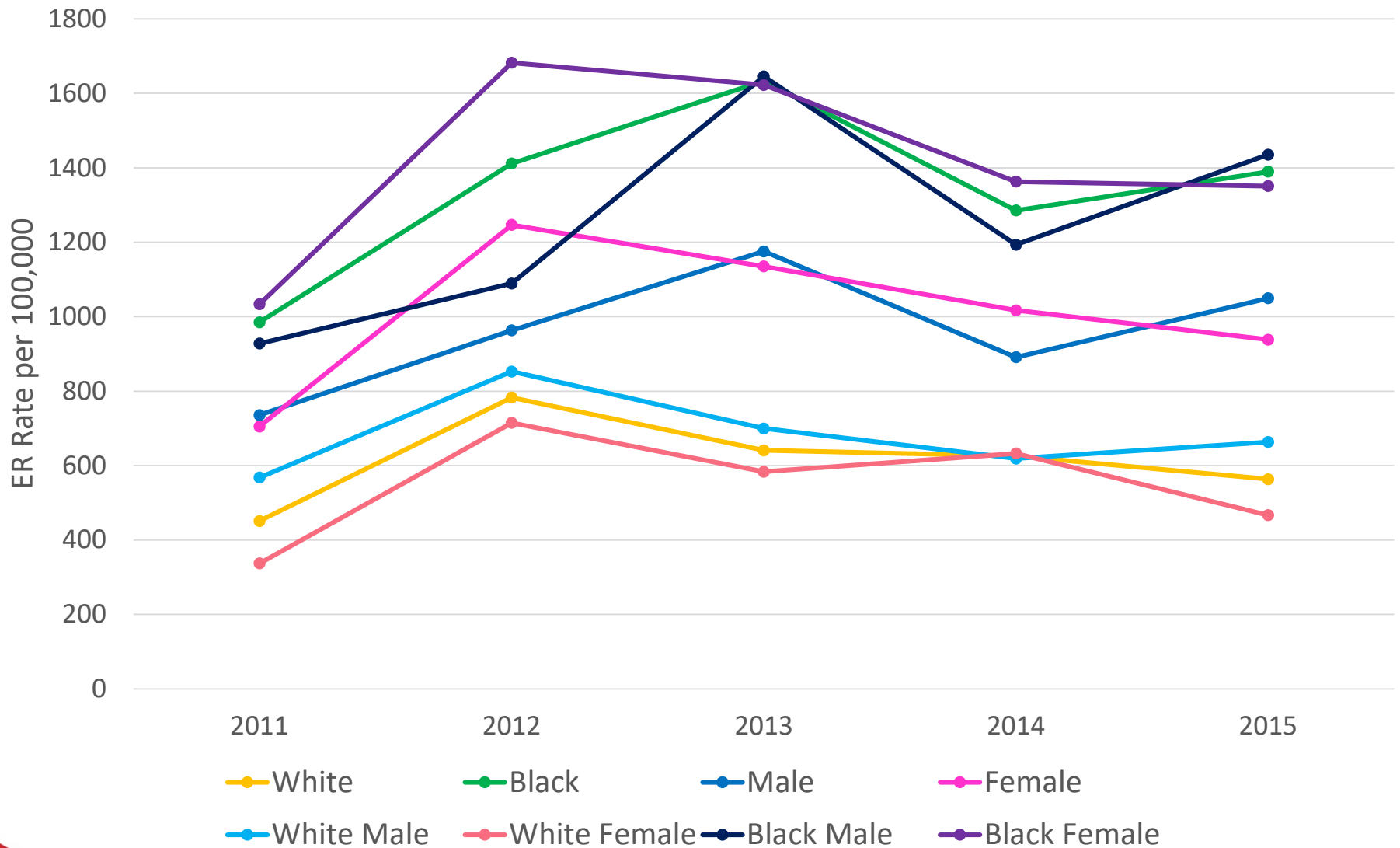
## Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of ER Visits	Georgia		West Central Health District		Sumter County	
	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate
<b>Heart Disease</b>	480.1	483.0	632.1	642.9	989.5	985.1
Male	454.9	442.9	574.3	562.0	987.6	960.9
Female	499.9	521.4	682.9	723.2	982.5	1007.1
White	302.7	333.3	305.4	351.4	473.9	611.6
Male	310.6	327.9	324.2	344.6	577.5	679.8
Female	292.3	338.7	282.9	358.6	370.8	545.3
Black	867.1	790.2	1031.4	986.2	1507.1	1339.1
Male	786.5	687.5	897.1	836.9	1439.0	1255.9
Female	924.0	880.9	1135.5	1124.3	1543.7	1409.4

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
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# Heart Disease Hospital ER Rates, Sumter County, by Race and Sex, 2011-2015



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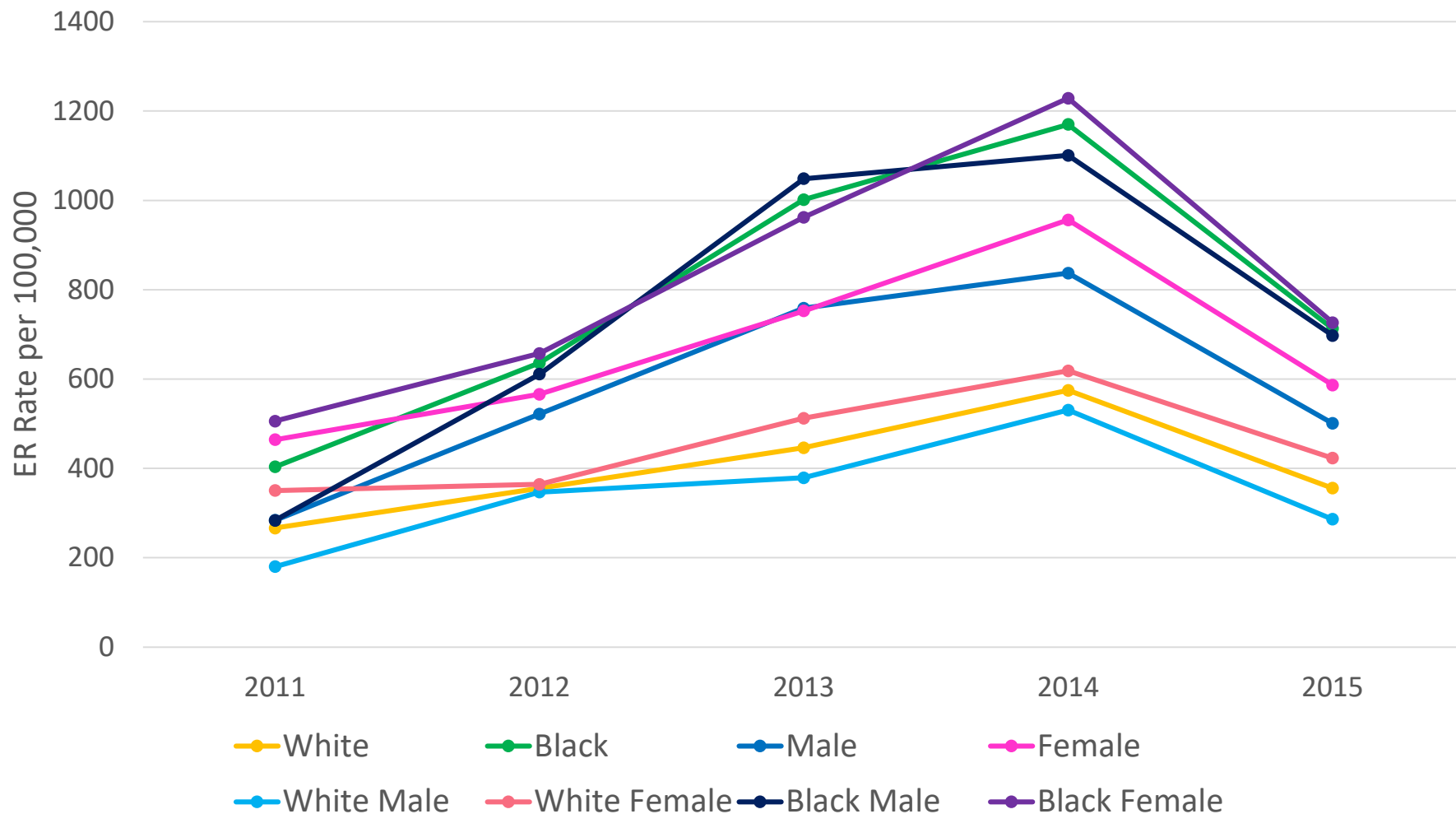
## Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of ER Visits	Georgia		West Central Health District		Sumter County	
	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate
<b>Influenza &amp; Pneumonia</b>	485.2	477.0	430.9	427.2	638.5	623.1
	Male 469.4	Male 463.4	Male 400.8	Male 391.1	Male 578.0	Male 578.1
	Female 501.5	Female 489.9	Female 466.0	Female 463.1	Female 692.5	Female 663.7
	White 386.6	White 373.0	White 627.1	White 276.7	White 397.9	White 398.2
	Male 373.2	Male 357.2	Male 260.6	Male 250.6	Male 340.4	Male 342.8
	Female 402.2	Female 388.7	Female 297.5	Female 304.2	Female 459.7	Female 452.1
	Black 627.1	Black 635.6	Black 584.1	Black 584.0	Black 790.9	Black 783.4
	Male 606.2	Male 626.6	Male 536.1	Male 539.3	Male 725.9	Male 745.6
	Female 644.5	Female 643.5	Female 630.7	Female 625.3	Female 840.1	Female 815.3

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
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# Influenza & Pneumonia Hospital ER Rates, Sumter County, by Race and Sex, 2011-2015



On 10/1/15, diagnosis codes switched from ICD9 to ICD10. The majority of cause categories stayed in trend, however some did not. Suffocation, Influenza, Bronchitis, and Asthma saw decreases. Disorders Related to Drug Use (under Mental and Behavioral Disorders) and All Other Chronic Lower Respiratory Disease saw increases. These changes could be 1) real and/or 2) reflect true differences in coding between ICD9 and ICD10, and/or 3) reflect difficulty in adoption of reporting ICD10 codes.

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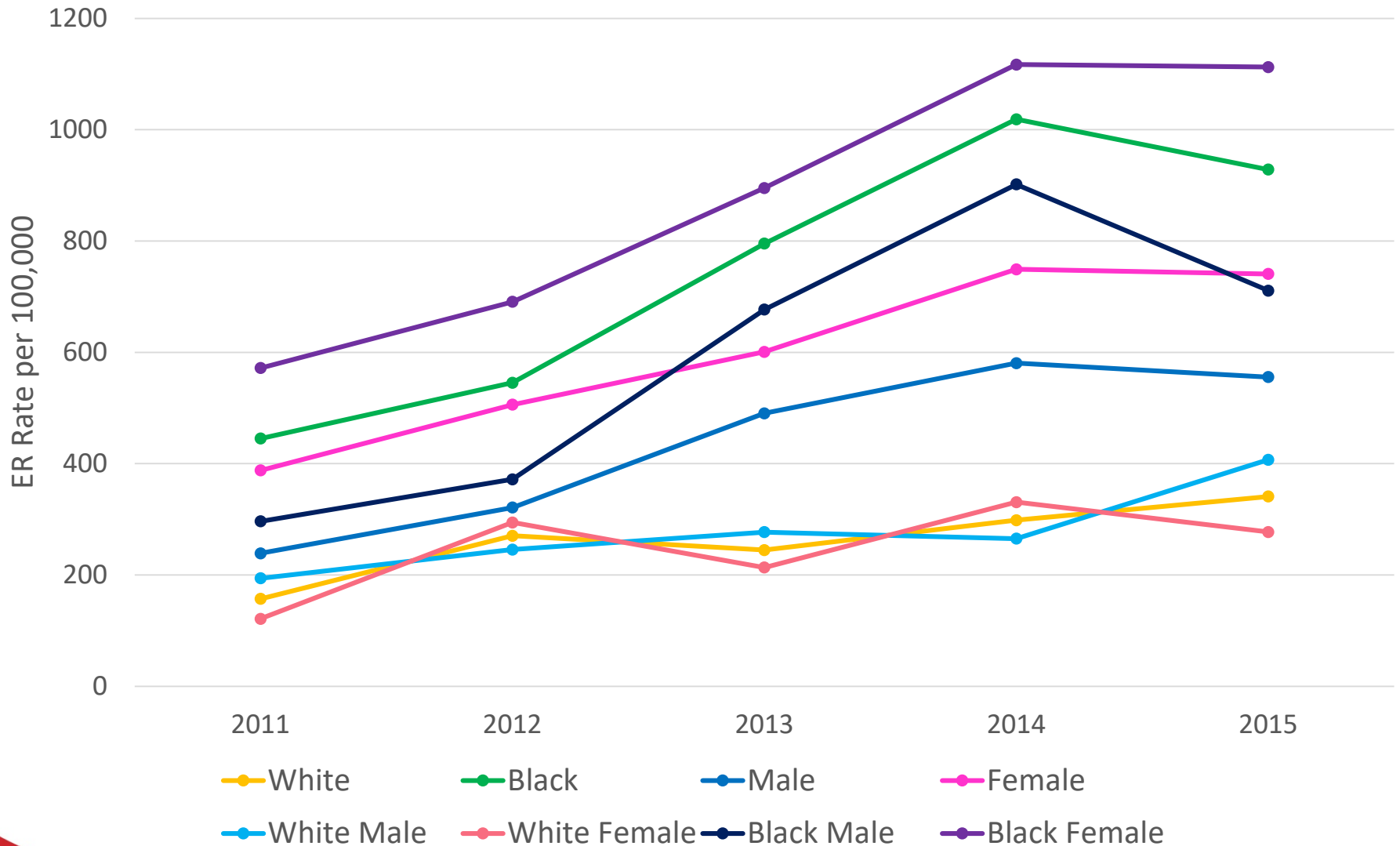
## Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of ER Visits	Georgia		West Central Health District		Sumter County	
	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate
<b>Diabetes</b>	250.3	252.7	345.3	353.9	511.1	518.9
	Male 241.6	Male 236.6	Male 306.8	Male 300.4	Male 434.3	Male 434.9
	Female 258.5	Female 268.0	Female 382.8	Female 407.1	Female 578.4	Female 594.8
	White 153.1	White 161.6	White 162.6	White 177.2	White 230.2	White 260.7
	Male 150.3	Male 154.9	Male 154.4	Male 162.6	Male 241.8	Male 276.0
	Female 156.8	Female 168.3	Female 174.4	Female 192.5	Female 219.7	Female 245.8
	Black 486.6	Black 443.5	Black 594.2	Black 571.8	Black 789.6	Black 744.6
	Male 481.1	Male 417.0	Male 527.5	Male 479.9	Male 646.9	Male 589.6
	Female 489.5	Female 466.9	Female 649.6	Female 656.9	Female 906.0	Female 875.6

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
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# Diabetes Hospital ER Rates, Sumter County, by Race and Sex, 2011-2015



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## Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

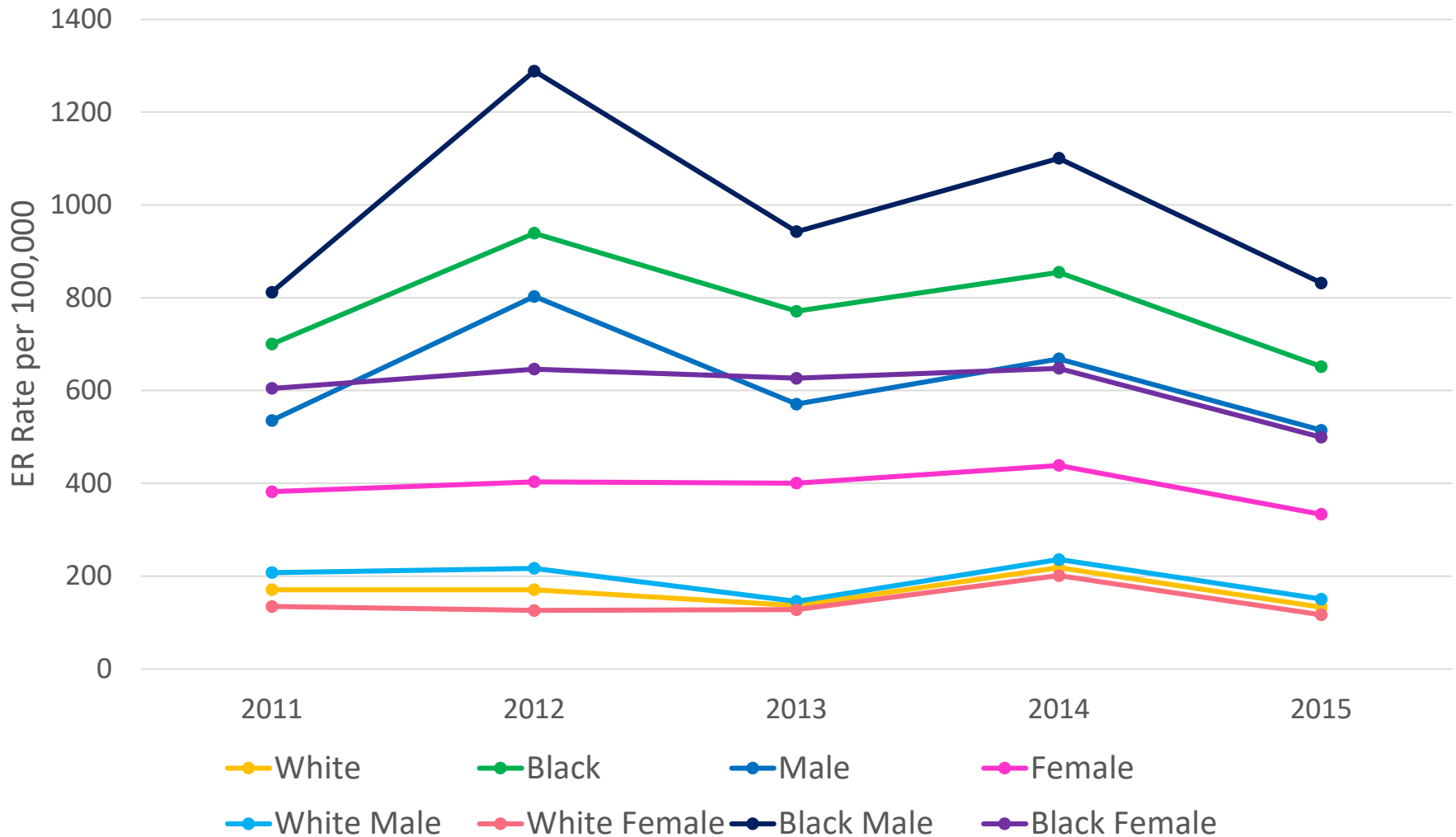
Major Causes of ER Visits	Georgia		West Central Health District		Sumter County	
	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate
<b>Homicide</b>	272.5	271.5	<b>353.2</b>	<b>350.1</b>	<b>511.7</b>	<b>499.2</b>
Male	317.3	322.1	<b>406.9</b>	<b>418.4</b>	<b>617.9</b>	<b>618.3</b>
Female	229.0	223.2	<b>299.1</b>	<b>282.2</b>	<b>414.0</b>	<b>391.7</b>
White	168.5	161.8	<b>196.2</b>	<b>188.6</b>	185.4	166.1
Male	185.0	182.6	<b>211.9</b>	<b>213.4</b>	<b>204.0</b>	191.7
Female	151.3	141.2	<b>180.2</b>	<b>162.5</b>	<b>167.6</b>	141.3
Black	462.0	487.5	<b>526.1</b>	<b>539.0</b>	<b>765.4</b>	<b>783.4</b>
Male	574.0	604.1	633.0	662.4	<b>969.2</b>	<b>994.2</b>
Female	367.2	384.4	<b>426.0</b>	<b>424.9</b>	<b>596.5</b>	<b>605.3</b>

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
 Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

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# Homicide Hospital ER Rates, Sumter County, by Race and Sex, 2011-2015



If querying all "External Causes" or certain subcategories within the External Causes category, there is an undercount of ER Visits for year 2015 only. This undercount primarily affects residents of DeKalb, Fulton, and Cobb counties, and is most pronounced in ages 0-19.

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## Leading Causes of Mortality by Sex and Race, Sumter County, 2011-2015

Major Causes of ER Visits	Georgia		West Central Health District		Sumter County	
	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate	Age-Adjusted ER Visit Rate	ER Visit Rate
<b>Sickle Cell Anemia</b>	115.5	113.4	262.1	265.4	461.3	458.0
Male	109.1	Male 109.6	Male 256.0	Male 273.1	Male 333.5	Male 333.2
Female	121.6	Female 117.0	Female 270.0	Female 257.7	Female 592.2	Female 570.6
White	6.6	White 5.9	White 0.6	White 0.6	White *	White *
Male	6.2	Male 5.7	Male *	Male *	Male 0	Male 0
Female	6.9	Female 6.1	Female *	Female *	Female *	Female *
Black	323.4	Black 337.4	Black 564.1	Black 589.4	Black 821.2	Black 868.1
Male	322.6	Male 340.7	Male 564.5	Male 613.1	Male 618.7	Male 658.4
Female	324.1	Female 334.6	Female 563.4	Female 567.5	Female 1003.8	Female 1045.3

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
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# Sexually Transmitted Infections

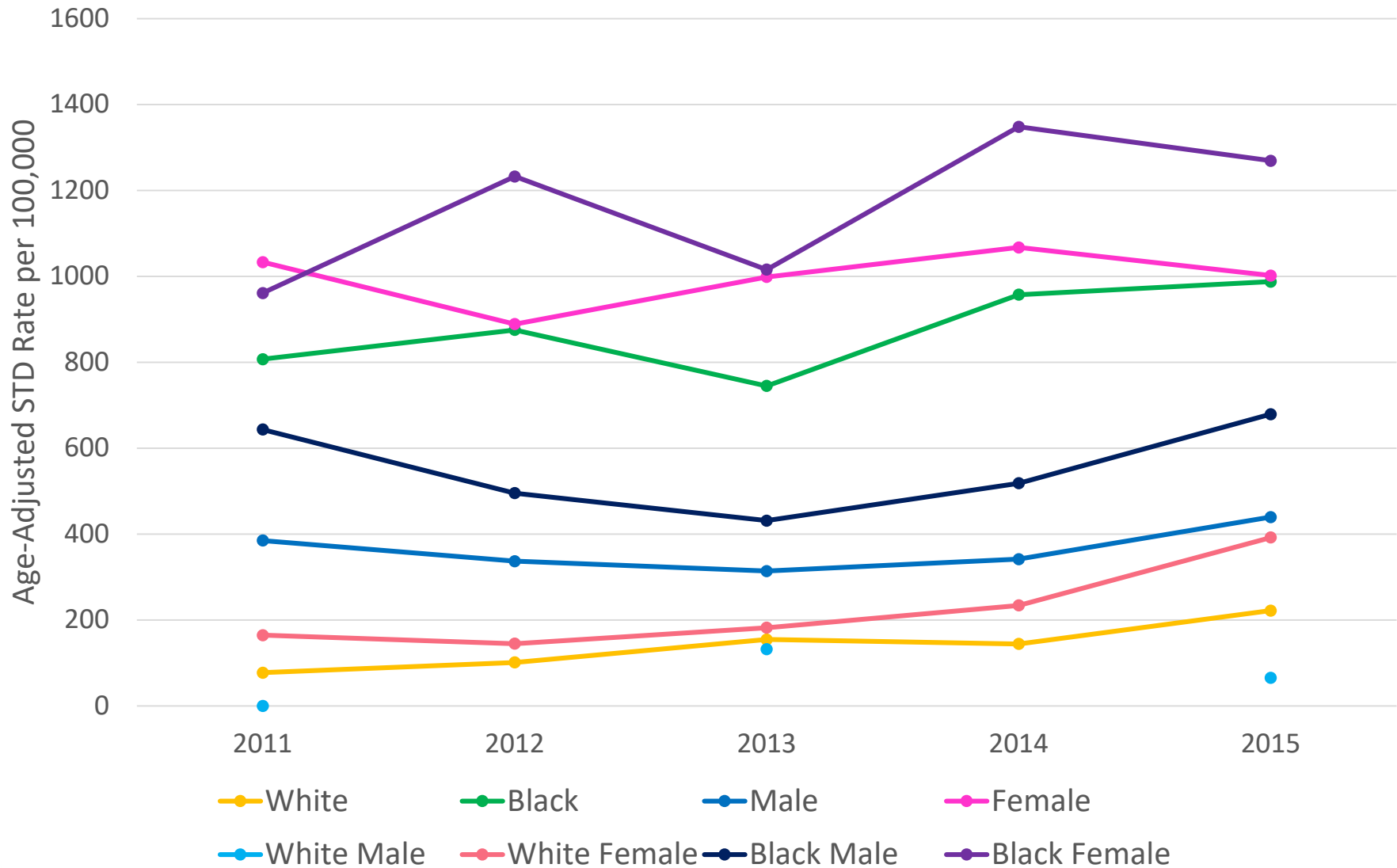
Age-Adjusted STD rate per 100,000, 2011-2015

	Georgia	West Central Health District	Sumter County
Chlamydia	499.8	631.2	683.1
Gonorrhea	143.1	216.4	200.5
Syphilis	31.4	22.1	15.8

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
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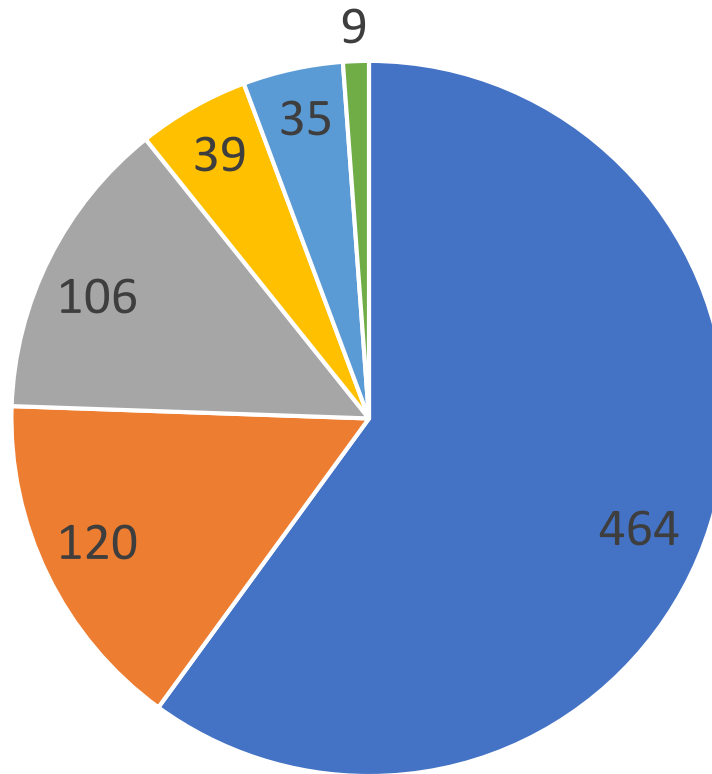
# Chlamydia Incidence Rate, Sumter County, by Race and Sex, 2011-2015



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# Notifiable Disease Reporting

# Number of Reported Notifiable Diseases, Sumter County, 2011-2015



- Sexually Transmitted Disease
- Hepatitis
- Gastrointestinal Illnesses
- Vaccine Preventable Diseases
- Other
- Vector Borne Diseases

# Maternal and Child Health

# Maternal Characteristics, Sumter County, 2011-2015

		All Races			White			Black		
		Georgia	WCHD	County	Georgia	WCHD	County	Georgia	WCHD	County
Pregnancy Rate	All Ages	50.8	52.9	46.7	43.7	47.6	43.2	56.2	55.1	48.4
	<20 years old	20.7	27.9	29.6	15.9	17.8	20.3	27.6	36.0	34.2
	20-39 years old	103.7	104.3	88.3	92.7	98.4	86.9	109.6	104.8	88.1
	>39 years old	4.6	2.6	2.3	3.7	2.1	1.7	4.8	2.7	2.5
Birth Rate	All Ages	40.4	44.9	39.1	38.9	43.7	38.6	39.8	43.9	39.4
	<20 years old	15.7	23.2	25.5	13.5	15.6	17.6	19.6	29.5	29.5
	20-39 years old	83.4	88.9	73.8	83.3	90.8	78.2	78.0	83.4	70.9
	>39 years old	3.3	2.0	1.6	3.0	1.8	1.3	3.0	1.8	2.0
Induced Terminations Rate	All Ages	8.6	6.6	5.1	3.5	3.0	3.1	14.4	9.5	6.1
	<20 years old	4.4	4.0	2.9	1.9	1.8	2.2	7.3	5.6	3.2
	20-39 years old	17.0	12.7	9.7	6.9	5.8	5.8	28.0	18.3	11.7
	>39 years old	0.9	0.4	0.4	0.4	0.2	*	1.3	0.5	*

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
 Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

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# Delivery Characteristics, Sumter County, 2011-2015

	Maternal Age	Georgia	WCHD	County	Georgia	WCHD	County	Georgia	WCHD	County
Percent Premature	All Ages	10.9	12.6	11.8	9.4	10.3	8.7	13.7	15.1	14.2
	<20 years old	11.0	11.8	10.5	9.9	10.9	12.5	12.4	12.1	9.8
	20-39 years old	10.7	12.5	11.7	9.2	10.0	8.5	13.7	15.3	14.6
	>39 years old	16.1	23.9	29.6	14.9	20.1	0	18.9	30.1	44.4

Percent Low Birthweight	All Ages	9.4	11.1	11.9	7.1	7.2	8.0	13.6	15.2	14.7
	<20 years old	11.2	12.8	11.8	8.8	9.7	12.5	13.9	14.3	12.1
	20-39 years old	9.2	10.8	11.6	6.8	7.0	7.7	13.5	15.2	14.8
	>39 years old	12.9	17.0	29.6	10.9	12.8	0	16.8	23.4	44.4

Percent Very Low Birthweight	All Ages	1.8	2.3	2.3	1.2	1.3	1.0	3.0	3.4	3.1
	<20 years old	2.0	2.4	2.1	1.4	1.8	*	2.7	2.7	2.3
	20-39 years old	1.8	2.3	2.2	1.1	1.2	0.9	3.0	3.5	3.2
	>39 years old	2.6	5.6	*	1.7	5.0	0	4.6	7.8	*

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
 Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

*We Protect Lives.*

# Infant Mortality Rate, Sumter County, 2011-2015

	All Races			White			Black		
	Georgia	WCHD	County	Georgia	WCHD	County	Georgia	WCHD	County
Infant Mortality	7.3	10.1	5.1	5.2	7.0	*	11.8	14.3	7.0
Neonatal Mortality	4.8	7.1	4.1	3.4	5.0	*	7.8	10.0	5.2
Post Neonatal Mortality	2.4	3.0	*	1.7	2.0	0	4.0	4.4	*

Note: Numbers Highlighted in **Yellow** indicate rates >10% compared to Georgia  
Numbers highlighter in **Blue** indicate rates <10% compared to Georgia

# Appendix

# Appendix

## County Health Ranking Measures

**Premature Death:** Years of potential life lost before age 75 per 100,000 population (age-adjusted)

Data Source: National Vital Statistics System, 2012-2014

Weight in Health Outcomes: 50%

**Poor or Fair Health:** Percentage of adults reporting fair or poor health (age-adjusted)

Data Source: Behavioral Risk Factor Surveillance System, 2015

Weight in Health Outcomes: 10%

**Poor Physical Health Days:** Average number of physically unhealthy days reported in past 30 days (age-adjusted)

Data Source: Behavioral Risk Factor Surveillance System, 2015

Weight in Health Outcomes: 10%

**Poor Mental Health Days:** Average number of mentally unhealthy days reported in past 30 days (age-adjusted)

Data Source: Behavioral Risk Factor Surveillance System, 2015

Weight on Health Outcomes: 10%

**Adult Obesity:** Percentage of adults that report a BMI of 30 or more

Data Source- CDC Diabetes Interactive Atlas, 2013

Weight in Health Factors: 5%

**Physical Inactivity:** Percentage of adults age 20 and over reporting no leisure-time physical activity

Data Source- CDC Diabetes Interactive Atlas, 2013

Weight in Health Factors: 2%

**Adult Smoking:** Percentage of adults who are current smokers

Data Source: Behavioral Risk Factor Surveillance System, 2015

Weight in Health Factors: 10%

**Excessive Drinking:** Percentage of adults reporting binge or heavy drinking

Data Source: Behavioral Risk Factor Surveillance System, 2015

Weight in Health Factors: 2.5%

# Appendix

## County Health Ranking Measures (cont)

**Alcohol-Impaired Driving Deaths:** Percentage of driving deaths with alcohol involvement

Data Source: Fatality Analysis Reporting System (FARS), 2011-2015

Weight in Health Factors: 2.5%

**Food Environment Index:** Index of factors that contribute to a healthy food environment, 0 (worst)- 10 (best)

Data Source: United States Department Of Agriculture (USDA) Food Environment Atlas, 2010 & 2014

Weight in Health Factors: 2%

**Access to Exercise Opportunities:** Percentage of population with adequate access to locations of physical activity

Data Source: ArcGIS Business Analyst with data from DeLorme Map Mart and GIS public use data, 2014

Weight in Health Factors: 1%

**Uninsured:** Percentage of population under age 65 without health insurance

Data Source: United States Census Bureau's Small Area Health Insurance Estimates (SAHIE), 2014

Weight in Health Factors: 5%

**Primary Care Physicians:** Ratio of population to primary care physicians

Data Source: Area Health Resource File, 2014

Weight in Health Factors: 3%

**Mental Health Providers:** Ratio of population to mental health providers

Data Source: Centers for Medicare and Medicaid Services', National Provider Identification, 2016

Weight in Health Factors: 1%

**Dentists:** Ratio of population to dentists

Data Source: Area Health Resource File, 2015

Weight in Health Factors: 1%

# Appendix

## County Health Ranking Measures (cont)

**Air Pollution:** Average of daily density of fine particulate matter in micrograms per cubic meter (PM2.5)

Data Source: Center for Disease Control and Prevention's National Environmental Public Health Tracking Network, 2012

Weight in Health Factors: 2.5%

**Drinking Water Violations:** Indicator of the presence of health-related drinking water violations. Yes/No

Data Source: United States Environmental Protection Agency's Safe Drinking Water Information System, 2013-2014

Weight in Health Factor: 2.5%

**Severe Housing Problems:** Percentage of households with at least 1 of the 4 housing problems: overcrowding, high housing costs, or lack of kitchen or plumbing facilities

Data Source: United States Department of Housing and Urban Development's Comprehensive Housing Affordability Strategy Data, 2009-2013

Weight in Health Factor: 2%

# Appendix

## Oasis Definitions

### Age-Adjusted Rates

A weighted average of the age-specific discharge rates, where the weights are the proportions of persons in the corresponding age groups of a standard population. The calculation of an Age-Adjusted Rate uses the year 2000 U.S. standard million. Benefit: Controls for differences in age structure so that observed differences in rates across areas such as counties are not due solely to differences in the proportion of people in different age groups in different areas. Rates that use Census Population Estimates in the denominator are unable to be calculated when the selected population is Unknown.

### Death Rate

Formula =  $[\text{Number of Deaths} / \text{Population}] * 100,000$ . Rates that use Census Population Estimates in the denominator are unable to be calculated when the selected population is Unknown.

### Deduplicated Discharges

The number of persons discharged live from non-Federal acute-care inpatient facilities (Hospitals) for illness. Only discharges of Georgia residents who were seen in a Georgia facility are included. Persons are counted only once if readmitted for the same chronic condition during a calendar year. Deduplicated Discharges also excludes people discharged dead, healthy newborn infants, and healthy mothers giving birth to newborn infants. Since the number and rate are derived only from hospitalizations, they do not include all existing cases (prevalence) or new cases (incidence) among residents of Georgia.

### Deduplicated Discharge Rate

Formula =  $[\text{Number of Deduplicated Discharges} / \text{Population}] * 100,000$ . Rates that use Census Population Estimates in the denominator are unable to be calculated when the selected population is Unknown.

### Emergency Room Visits (ER Visits)

The number of emergency room visits to non-Federal acute care inpatient facilities. Only discharges of Georgia residents who were seen in a Georgia facility are included. Persons can be counted more than once if readmitted. Visits include people both living and who have died, but not those admitted as an inpatient to a hospital.

### Emergency Room Visit (ER Visit) Rate

Formula =  $[\text{Number of ER Visits} / \text{Population}] * 100,000$ .

# Appendix

## Oasis Definitions

### **Induced Termination of Pregnancy (ITOP)**

The purposeful interruption of pregnancy with the intention other than to: 1) produce a live-born infant; or 2) to remove a dead fetus. An induced termination of pregnancy does not result in a live birth.

### **Induced Termination of Pregnancy (ITOP) Rate**

The number of induced terminations of pregnancy that occur per 1,000 females per specified age group. All ages includes ages 10-55.

### **Infant Mortality Rate**

Formula = [Number of infant deaths / Live births] \* 1,000.

### **International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)**

A statistical classification system, in use since 1979, that arranges diseases and injuries into groups according to established criteria. It is used to improve comparability of cause of death statistics reported by different governmental entities. Most ICD-9-CM codes are numeric and consist of three, four or five numbers and a description. The codes are revised approximately every 10 years by the World Health Organization and annual updates are published by the Health Care Financing Administration (HCFA), now the Center for Medicare, Medicaid Services.

### **International Classification of Diseases, 10th Revision, Clinical Modification (ICD-10-CM) vs. ICD10**

The National Center for Health Statistics (NCHS), the Federal agency responsible for use of the International Statistical Classification of Diseases and Related Health Problems, 10th revision (ICD-10) in the United States, has developed a clinical modification (CM) of the classification for morbidity (hospital and ER data) purposes. The ICD-10 is used to code and classify mortality data from death certificates, having replaced ICD-9 for this purpose as of January 1, 1999. ICD-10-CM is the replacement for ICD-9-CM, effective October 1, 2015 in discharge and ER data.

The ICD-10 is copyrighted by the World Health Organization (WHO). WHO has authorized the development of an adaptation of ICD-10 for use in the United States (ICD-10-CM). All modifications to the ICD-10 must conform to WHO conventions for the ICD.

<https://www.cdc.gov/nchs/icd/icd10cm.htm>



# Appendix

## Oasis Definitions

### Low Birthweight Births

Live births of a birthweight less than 2500 grams (5lbs. 8oz.) per 100 live births

### Neonatal Period

The period from birth to 27 days of age.

### Pregnancy

A pregnancy is a human conception that results in a live birth, fetal death or an induced termination of pregnancy. The total number of conceptions that result in one or more live births, fetal deaths (of all gestational ages), or induced terminations of pregnancy are used to sum the total number of pregnancies. Therefore, Ectopic and Molar pregnancies are not included, and conceptions that result in multiple births (twins, triplets, etc.) are counted as one pregnancy.

### Premature Live Births

The number of live births with a gestational age less than 37 weeks, per 100 live births. Gestational age is expressed in completed weeks.

### Postneonatal Period

The period after birth 28 through 364 days of age.

### Race

Per the Federal Office of Management and Budget, Directive 15 (1997),

White is a person having origins in any of the original peoples of Europe, the Middle East or North Africa;

Black or African-American is a person having origins in any of the black racial groups of Africa;

Multiracial is a person declaring 2 or more races.

In some cases, the numerator's race classification may be more precise, or up to date, than the Census population estimate counterpart used in the denominator.

# Appendix

## Oasis Definitions

### Very Low Birthweight Births

Live births with a birthweight less than 1,500 grams (3lbs. 5oz.)

### Years of Potential Life Lost 75 (YPLL 75)

YPLL 75 represents the number of years of potential life lost due to death before age 75, as a measure of premature death. The YPLL 75 Rate is the years of potential life lost before age 75 that occur per 100,000 population less than 75 years of age. Formula = [Total Years of Life Lost before age 75 / Population less than 75 years old] \* 100,000.

# Appendix

Measures	ICD10 (ICD9) codes
Septicemia	A40-A41 (038)
Cancers	C00-C97 (140-208)
Colon Cancer	C18-C21 (153-154)
Pancreatic Cancer	C25 (157)
Lung Cancer	C33-C34 (162)
Breast Cancer	C50 (174-175)
Cervical, Uterine, and Ovarian Cancer	C53 (180), C54-C55 (179, 182), C56 (183.0)
Prostate and Testicular Cancer	C61 (185), C62 (186)
Sickle Cell Anemia	D57.0 - D57.3, D57.8, D58.2 (282.5-282.6)
Diabetes	E10-E14 (250)
Mental & Behavioral Disorders	F00.0 - F99 (290-319)
Alzheimer's Disease	G30 (331.0)
Heart Disease (includes Major Cardiovascular Diseases, High Blood Pressure, Rheumatic Fever & Heart Diseases, Hypertensive Heart Disease, Obstructive Heart Diseases, Hardening of the Arteries, and Aortic Aneurysm & Dissection)	I00-I78 (390-434, 436-448), I10, I12 (401, 403), I00-I09 (390-398), I11 (402), I20-I25 (410-414, 429.2), I70 (440), I71 (441)
Stroke	I60-I69 (430-434, 436-438)
Influenza and Pneumonia	J09-J11 (487), J12-J18 (480-486)
Chronic Lower Respiratory Diseases (includes Bronchitis, Emphysema, Asthma, and all other chronic lower respiratory diseases)	J40-J42 (490-491), J43 (492), J45-J46 (493), J44-J44.99, J47-J47.99 (494-494.99, 496-496.99)
Liver Diseases (Includes Alcoholic Liver Disease, all other chronic liver disease and cirrhosis)	K70 (571.0-571.3), K73-K74.99 (571.4-571.99)
Kidney Diseases	N00-N07, N17-N19, N25-N27 (580-589)
Kidney Infections	N10-N12, N13.6, N15.1 (590)
Bone and Muscle Diseases	M00-M99 (710-739)
Pregnancy and Childbirthing Complications	O00.0 - O99.8, O9A (630-676)

# Appendix

Measures	ICD10 (ICD9) codes
Septicemia	A40-A41 (038)
Cancers	C00-C97 (140-208)
Colon Cancer	C18-C21 (153-154)
Pancreatic Cancer	C25 (157)
Lung Cancer	C33-C34 (162)
Perinatal Period Conditions (including Prematurity, Lack of Oxygen to the Fetus, Respiratory Distress Syndrome, and Birth-related Infections)	P00.0 - P96.9 (760-771.2, 771.4-779)
Birth Defects (including Neural Tube Defects)	Q00.0 - Q99.9 (740-759)
Unintentional Injuries (including Motor Vehicle Crashes, Falls, Accidental Shooting, Drowning, Fire & Smoke Exposure, Poisoning, Suffocation, and all other unintentional injuries)	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, 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 (E810-E825), W00-W19 (E880-E888), W32-W34 (E922), W65-W74 (E910), X00-X09 (E890-E899), X40-X49 (E850-E869, E924.1), W75-W84 (E911-E913), V00, V01, V05-V08, V09.1, V09.3-V11, V15-V18, V19.3, V19.7-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3-V99, W20-W31, W35-W64, W85-99, X10-X39, X50-X59, Y85-Y86 (E800-E809, E826-E849, E900-E909, E914-E921, E923-E924.0, E924.2-E929)
Suicide	X60-X84, Y87.0 (E950-E959)
Homicide	X85-Y09, Y87.1 (E960-E969)
Chlamydia	A56, A70, A74 (077.9, 078,88, 079, 099.41, 099.5)
Gonorrhea	A54 (098)
Syphilis	A50 - A53 (090 - 097)

# Appendix

## OASIS Data Reporting Issues

### All Years Death Data:

Hispanic Ethnicity is most likely under-reported on the death certificate. Several studies conducted in different states indicate that there may be under-reporting of Hispanic ethnicity on death certificates. A cursory review of linked Georgia data shows a 35% decrease from Hispanic-at-birth to Non-Hispanic at death, and a 25% decrease from Hispanic-mother-during-delivery to Non-Hispanic at death.

### 2013 Death Data:

Race assignment for out-of-state Georgia residents overestimated the category multi-racial. Once corrected, the number of White and Black or African-American deaths increased 4.3% and 2.9% respectively. Overall numbers and rates were not affected. This update occurred 9.14.2015.

### 2015 Hospital Discharge and ER data:

On 10/1/15, diagnosis codes switched from ICD9 to ICD10. The majority of cause categories stayed in trend, however some did not. Suffocation, Influenza, Bronchitis, and Asthma saw decreases. Disorders Related to Drug Use (under Mental and Behavioral Disorders) and All Other Chronic Lower Respiratory Disease saw increases. These changes could be 1) real and/or 2) reflect true differences in coding between ICD9 and ICD10, and/or 3) reflect difficulty in adoption of reporting ICD10 codes.

If querying all "External Causes" or certain subcategories within the External Causes category, there is an undercount of ER Visits for year 2015 only. This undercount primarily affects residents of DeKalb, Fulton, and Cobb counties, and is most pronounced in ages 0-19.

### 2008-2015 Congenital Syphilis Rate:

Since 2008, there has been a sharp increase in Unknown race in Birth data, which had the predominant effect of lowering the number of White births. This effect has been seen nationwide and is associated with the use of the "2003 revision" of the birth certificate (introduced in GA in mid-2007). After consultation with NCHS, we implemented their imputation rule for Unknown race on 1/10/17. While the total number of Congenital Syphilis cases remained the same, the effect of the of the imputation of Mother's Race in Birth data, on the White STD Rate for Congenital Syphilis, was that there was a decrease in the White STD Rate due to increase in total number of White Births in the denominator.

### 2008 to 2015 Birth and Pregnancy Data:

Since 2008, there has been a sharp increase in Unknown race in Birth data, which had the predominant effect of lowering the number of White births. This effect has been seen nationwide and is associated with the use of the "2003 revision" of the birth certificate (introduced in GA in mid-2007). After consultation with NCHS, we implemented their imputation rule for Unknown race on 1/10/2017.

What effect will this have? For example, statewide this correction has the effect of increasing White Birth and Pregnancy Rates by 4 (more White Births in the numerator), and decreasing White Low Birthweight and Prematurity Rates by 0.1 as well as decreasing White Maternal Mortality Ratio by 3.5 (relatively more White Births in the denominator). While this is not a major effect statewide, there will be local variations that are larger.

The correction is most pronounced in 2008, but lessens in subsequent years, and for most indicators disappears in 2015.