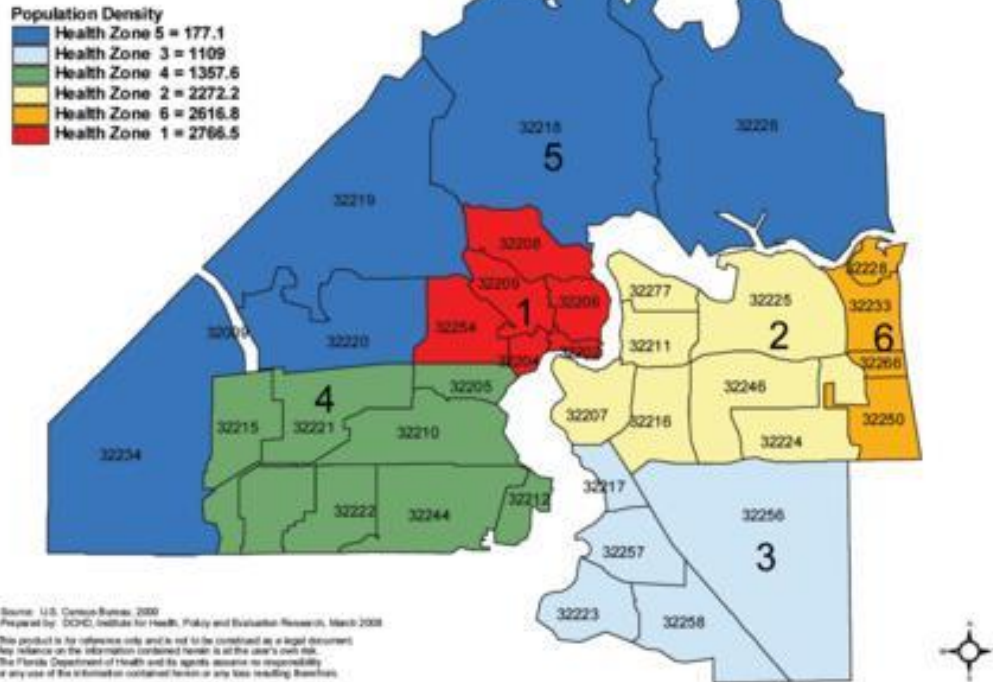


## Duval County Health Zone Data

The Duval County health zones are made up of zip codes. Duval County is unique in that it comprises urban, suburban and rural areas (see Figure 4 below for Population Density Per Square mile). Health Zone 1 is considered to be the most urban area with a population density of 2766.5 people per square mile while Health Zone 5 is considered to be the most rural area with a population density of 177.1 people per square mile.

Figure 4

### Population Density Per Square Mile, by Health Zone, Duval County, 2000



### Health Zone Population (2006)

Health Zone 1 - 128,613

Health Zone 2 - 267,857

Health Zone 3 - 141,047

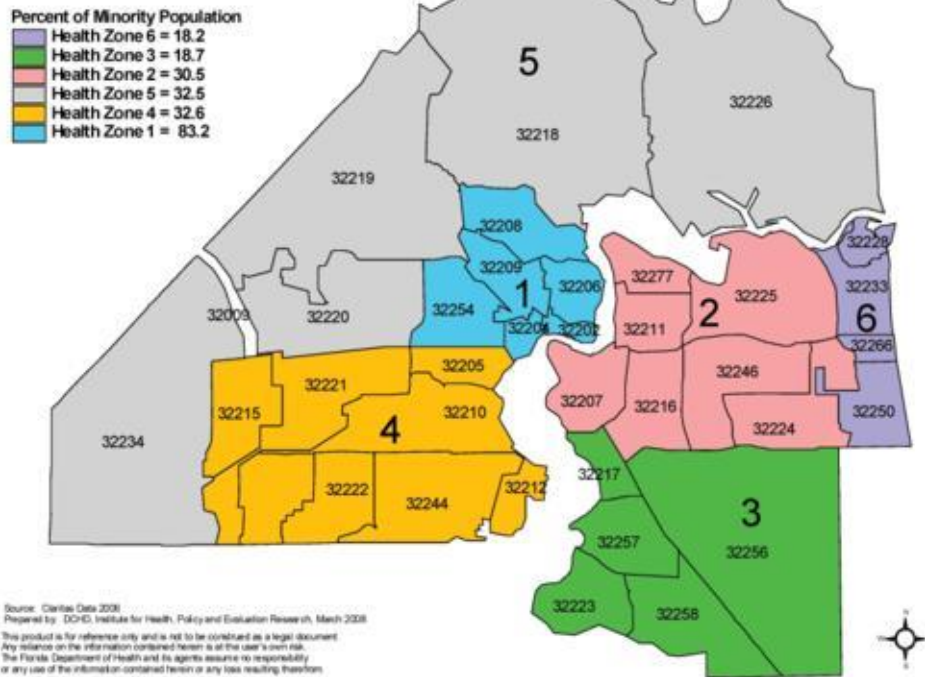
Health Zone 4 - 176,881

Health Zone 5 - 82,006

Health Zone 6 - 67,763

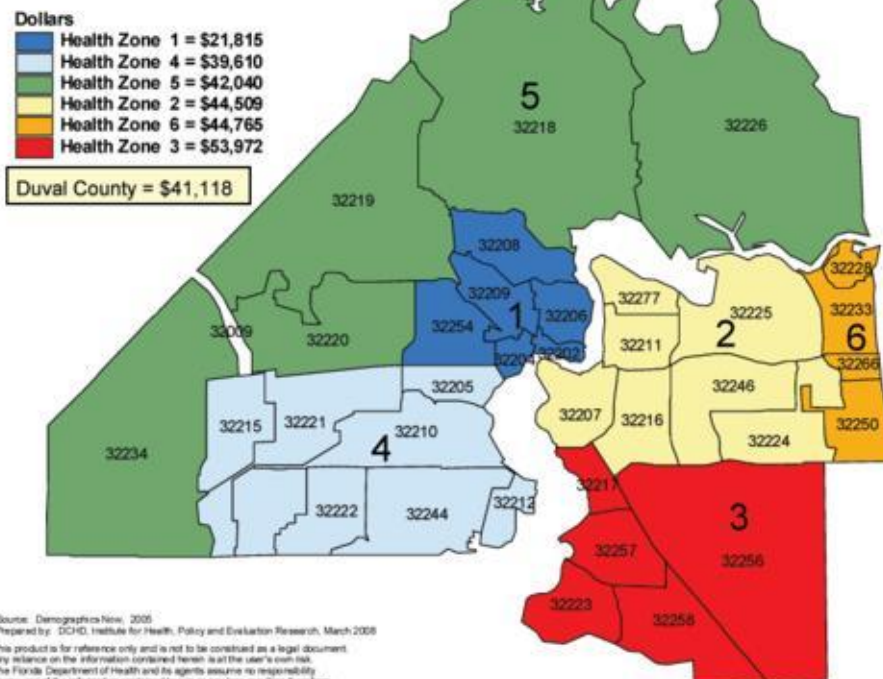
# Demographic Profile of Duval County

**Figure 5**  
**Minority Population by Health Zone,**  
**Duval County, 2006**



# Socioeconomic Profile of Duval County

**Figure 6**  
**Average Household Income by Health Zone,**  
**Duval County, 2005**



Health Zone 1 contains the largest number of minority residents in all of Duval County boasting a population of 107,001, which is 83% of the Health Zone 1 population. In fact, 41% of all blacks in Duval County live in this zone.

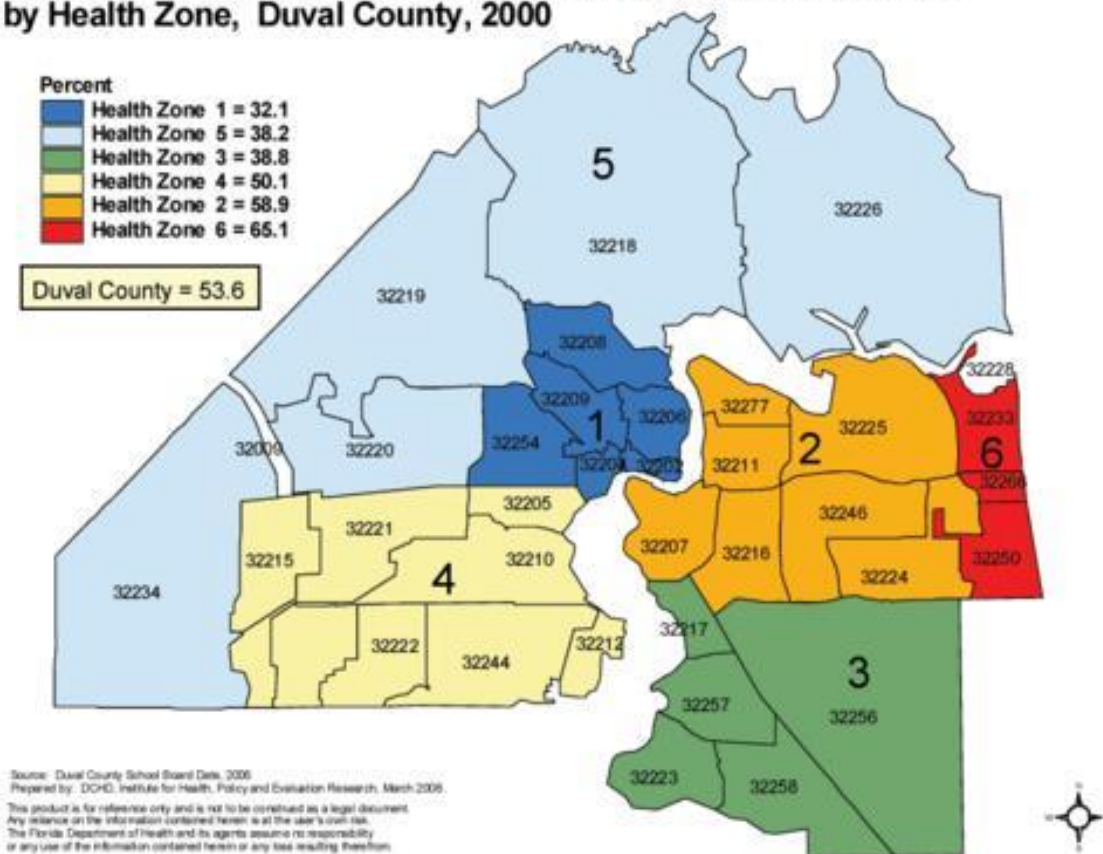
Health Zone 4 has the next highest minority population with 32.6%.

Census data show that zip codes in Health Zone 1 have the lowest average household income with \$21,815 Health Zone 1 also has the highest poverty level with 26% of the population living below the poverty level.

## Socioeconomic Profile of Duval County

Figure 7

Percent of Population with Greater than High School Education by Health Zone, Duval County, 2000



Better educated people have fewer health problems, tend to live longer and have less disease than those with lower education levels.

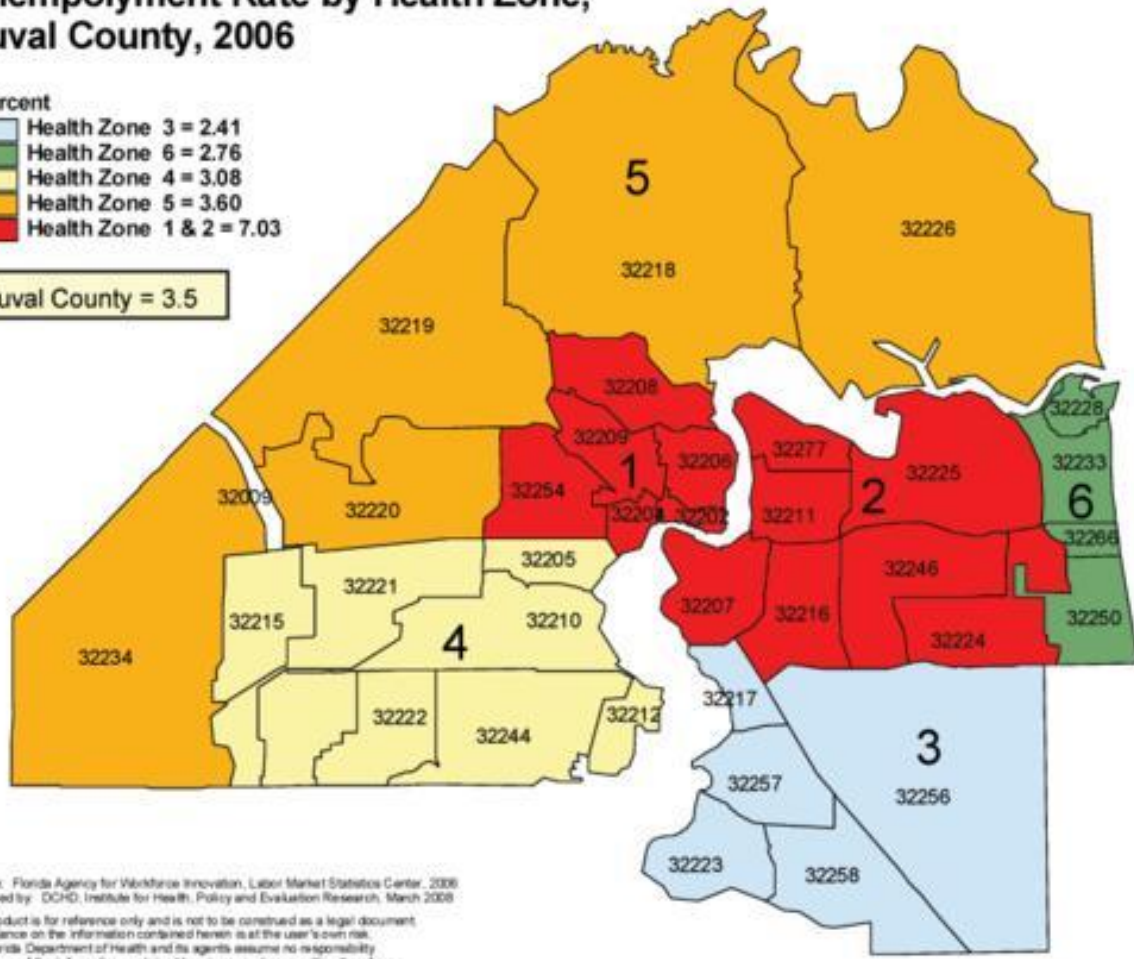
Health Zone 1 has the lowest level of education with 32.1% having more than a high school graduation, compared to 65.1% in Health Zone 6.

# Unemployment Rate by Health Zone, Duval County, 2006

Percent

- Health Zone 3 = 2.41
- Health Zone 6 = 2.76
- Health Zone 4 = 3.08
- Health Zone 5 = 3.60
- Health Zone 1 & 2 = 7.03

Duval County = 3.5



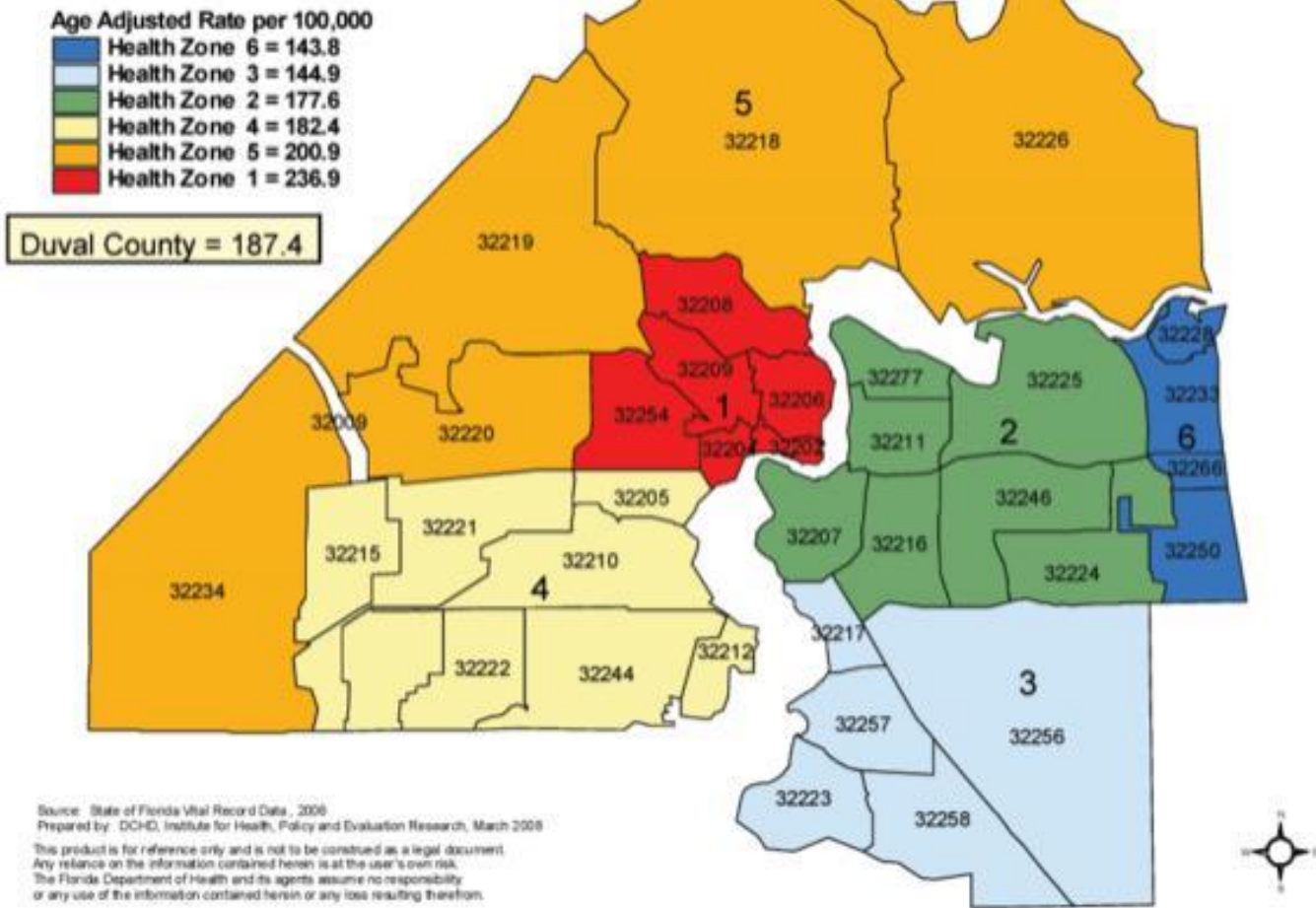
Source: Florida Agency for Workforce Innovation, Labor Market Statistics Center, 2006  
 Prepared by: DCHO, Institute for Health, Policy and Evaluation Research, March 2008  
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The unemployment rate is highest in Health Zones 1 and 2 at 7.03%. This is 100.9% higher than the overall unemployment rate in Duval County, 3.5%.

The lowest unemployment rate in Duval County is in Health Zone 3, with 2.41%.

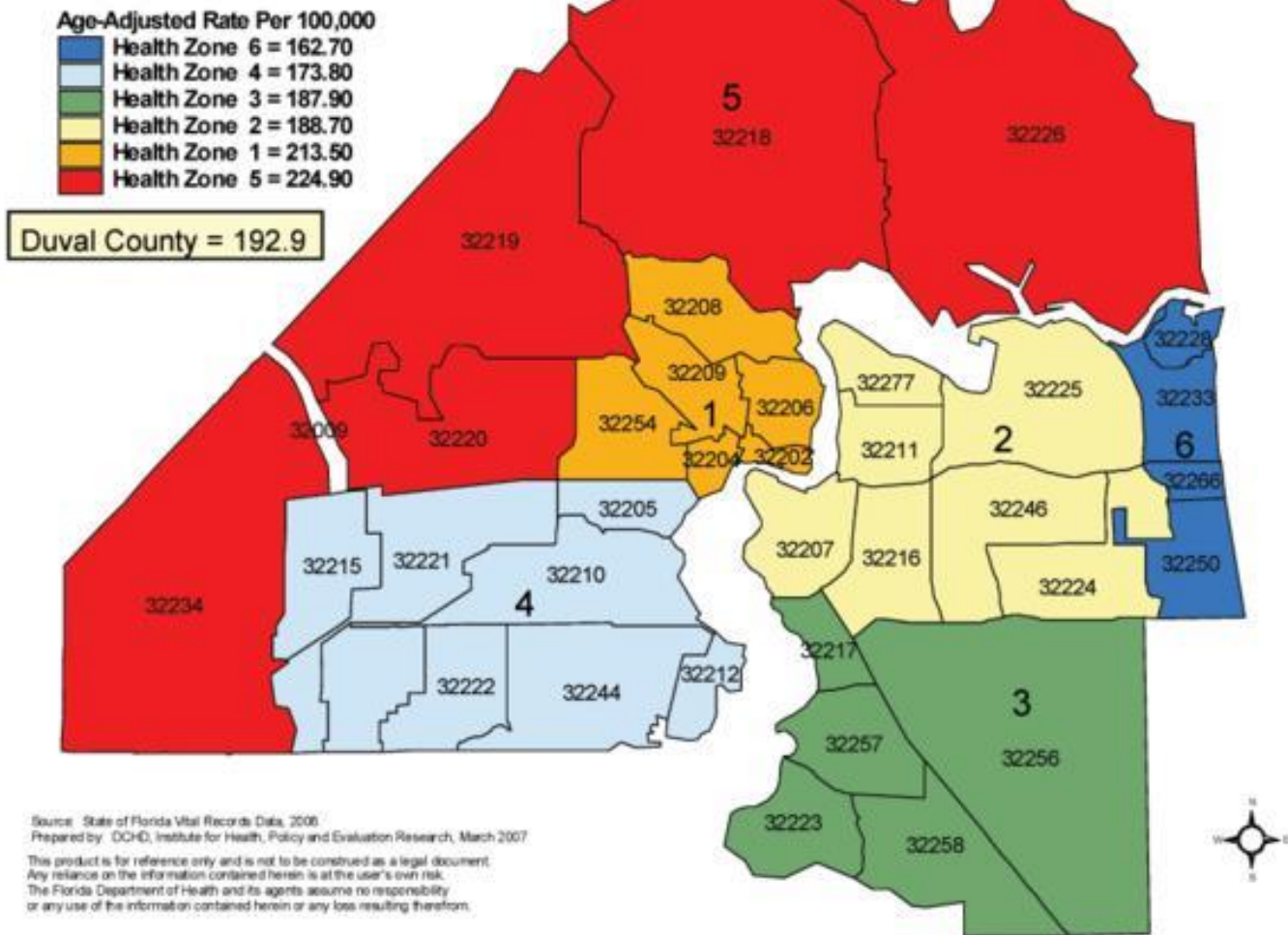


# Heart Disease Mortality by Health Zone, Duval County, 2006



Of all 6 Health Zones, Zone 1 has the highest mortality rate from heart disease. The rate in Zone 1 is 64.7% higher than the rate in the Zone with the lowest rate of all, Zone 6.

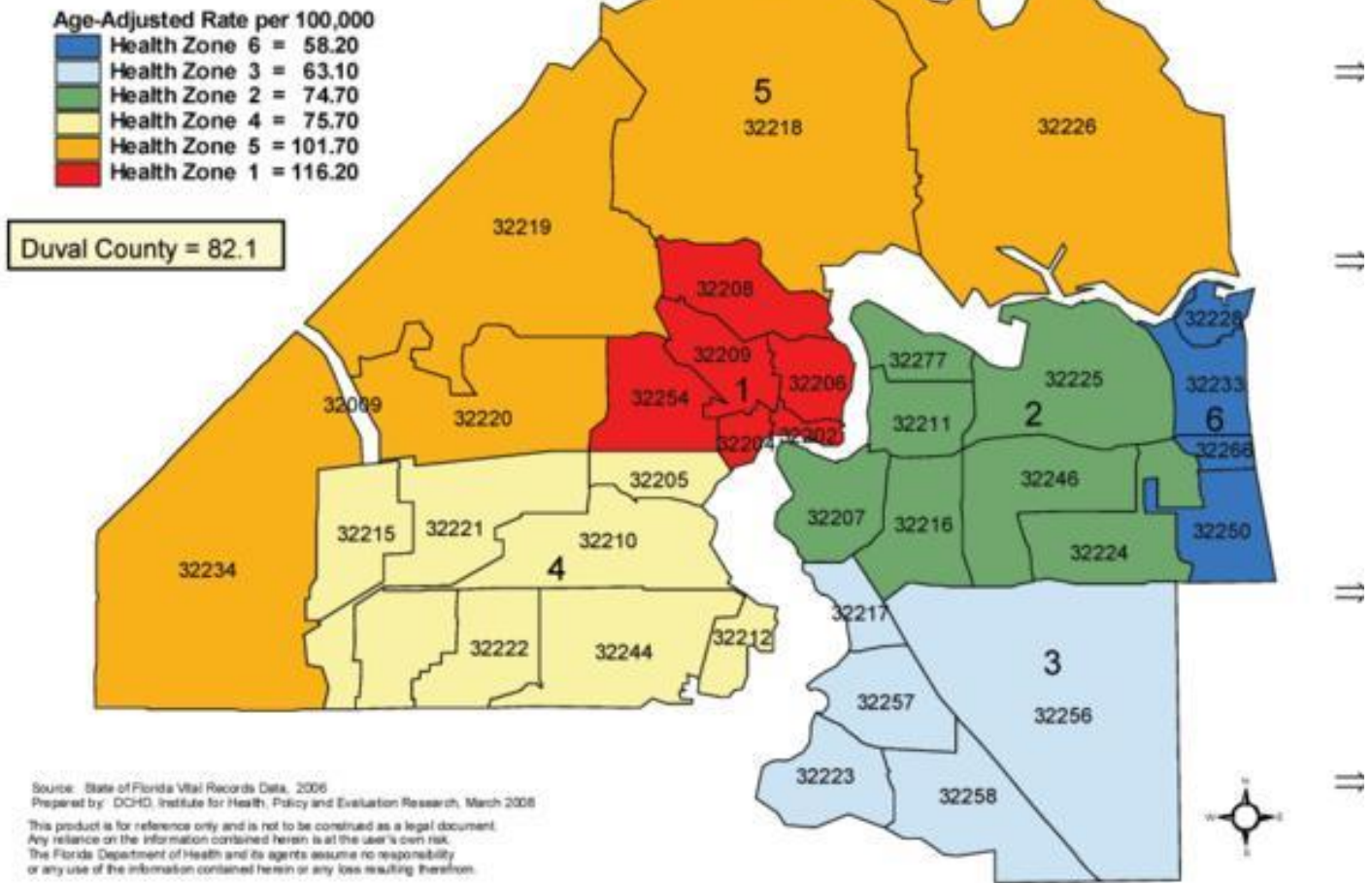
# Cancer Mortality by Health Zone, Duval County, 2006



The mortality rate for cancer in Duval County is very similar to the national rate at 192.9 but nearly 17% higher than Florida's rate.

Health Zone 5 has the highest cancer mortality rate with 224.9 per 100,000 residents followed by Health Zone 1 with 213.5 deaths per 100,000.

# Diabetes Mortality by Health Zone, Duval County, 2006

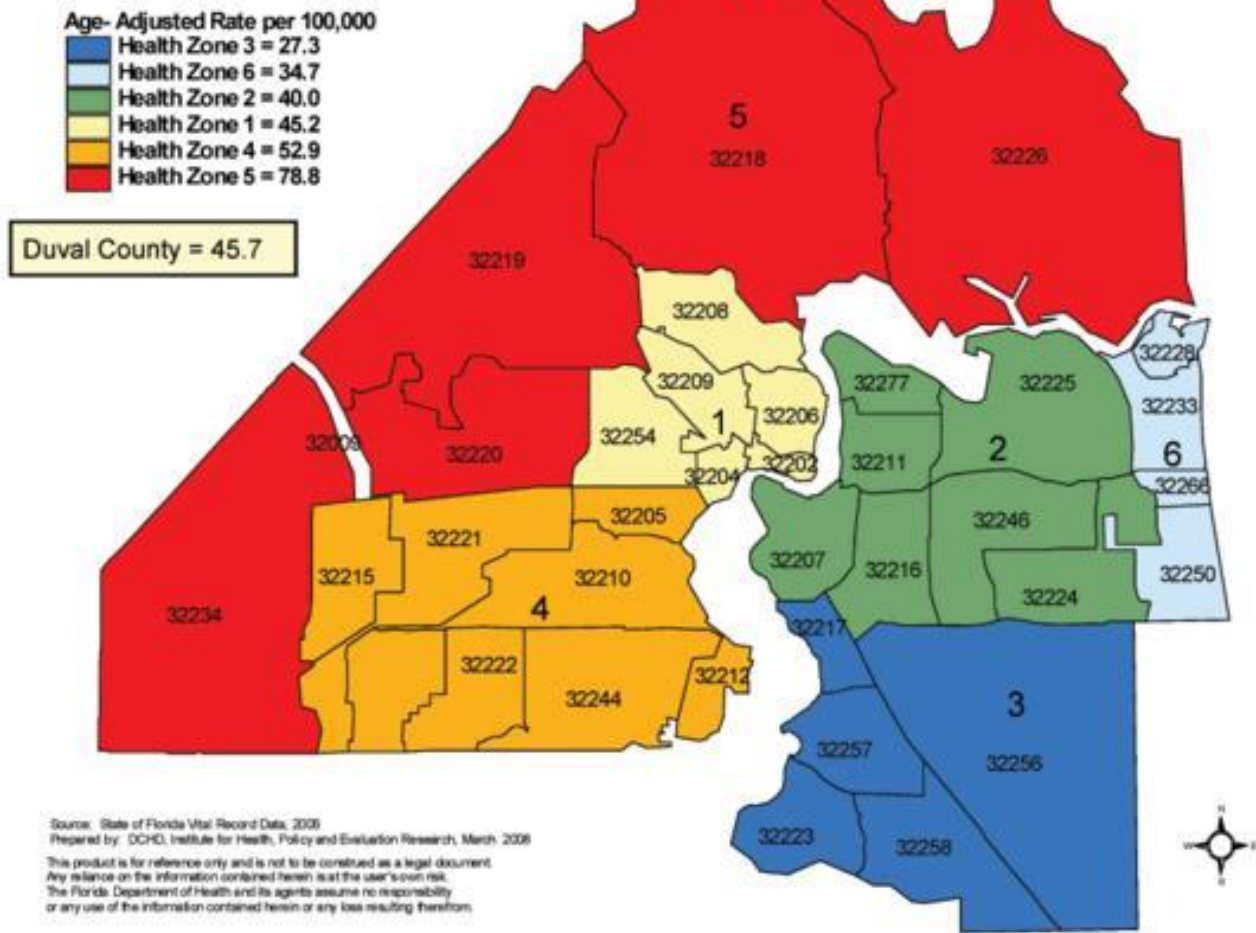


In Duval County, residents in Health Zone 1 have the highest rate of mortality due to diabetes related conditions. The rate is 116.2 per 100,00 residents, approximately twice as many deaths as in Health Zone 6.

Health Zone 5 has the second highest rate of diabetes related mortality followed by Health Zones 4, 2, and 3.

Health Zone 6 has the lowest death rate due to diabetes with a rate of 58.2 per 100,000 which is half of the rate in Health Zone 1.

## Unintentional Deaths by Health Zone, Duval County, 2006

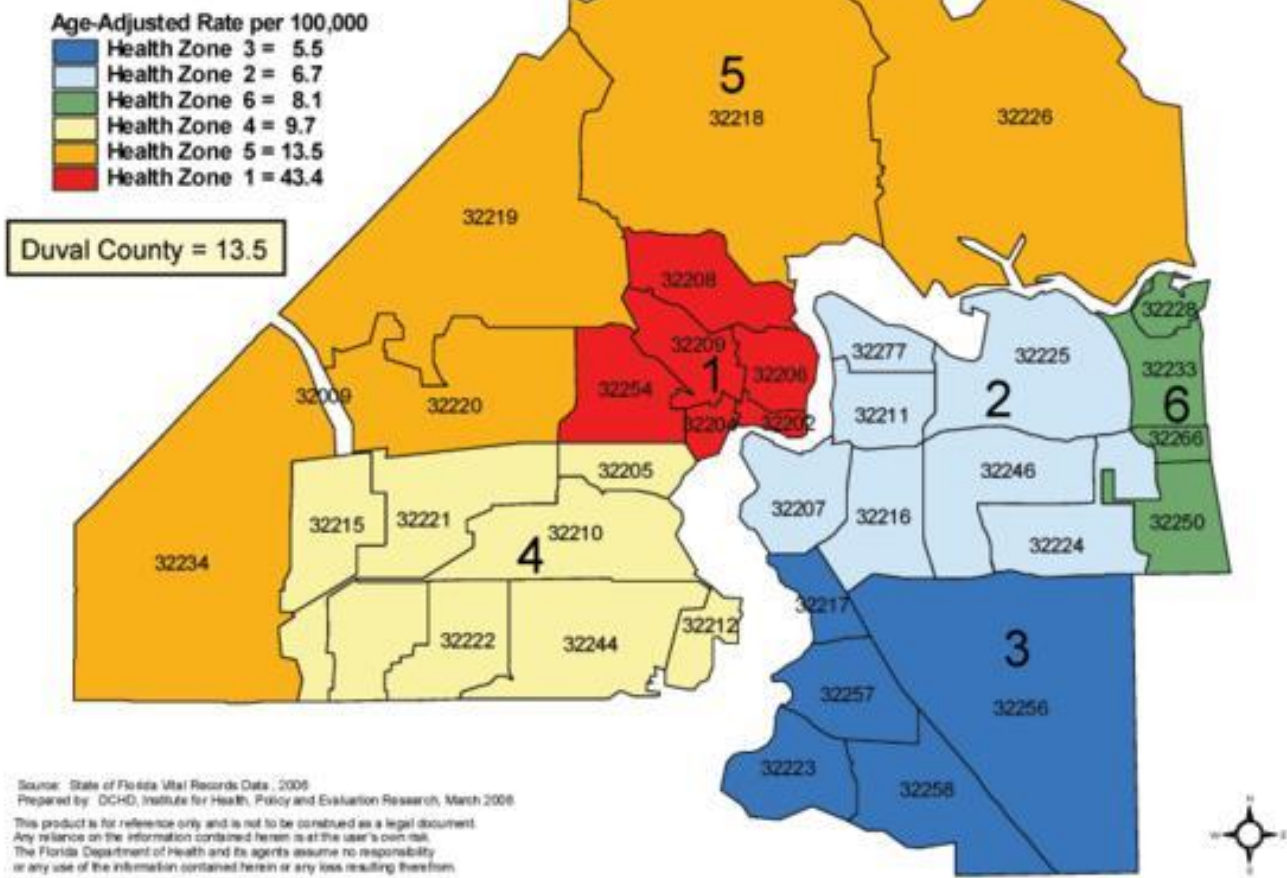


Deaths from unintentional injuries have been on the rise over the past 10 years locally and statewide. The rate in Duval County is 45.7 per 100,000 and Florida's rate is 45.0 per 100,000.2

Health Zone 5 has the highest mortality rate from unintentional injuries at 78.8 per 100,000. Health Zone 4 has the second highest rate at 52.9 per 100,000.



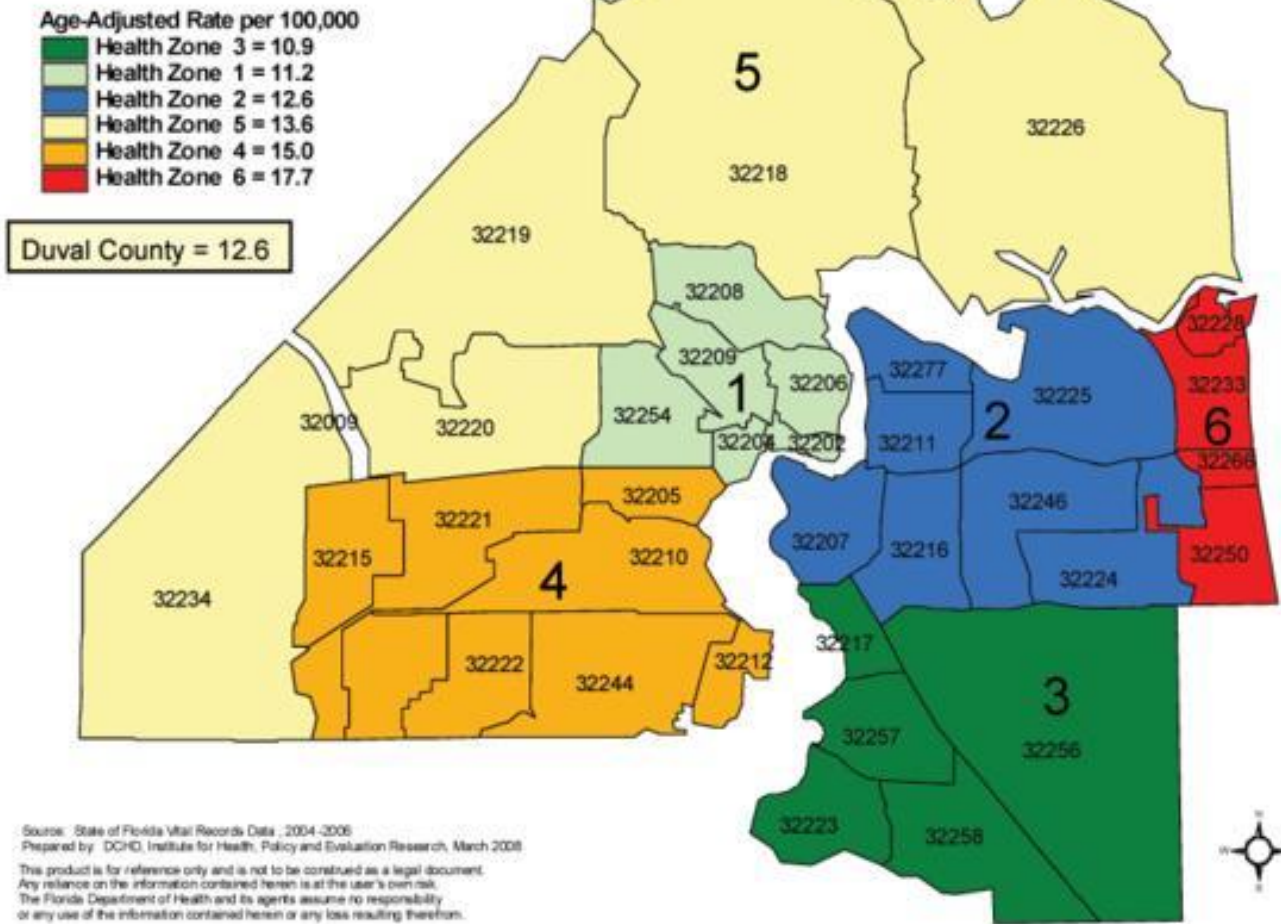
# Homicide Deaths by Health Zone, Duval County, 2006



Health Zone 1 has the highest rate in Duval County with 43.4 per 100,000 population. This is 221.5% higher than the second highest rate which is in Health Zone 5. These rates reflect the residence of the homicide victim. In addition, a majority of the homicides occurred in Health Zone 1 as well.

Almost three-quarters (73.7%) of all homicides were in the black population.

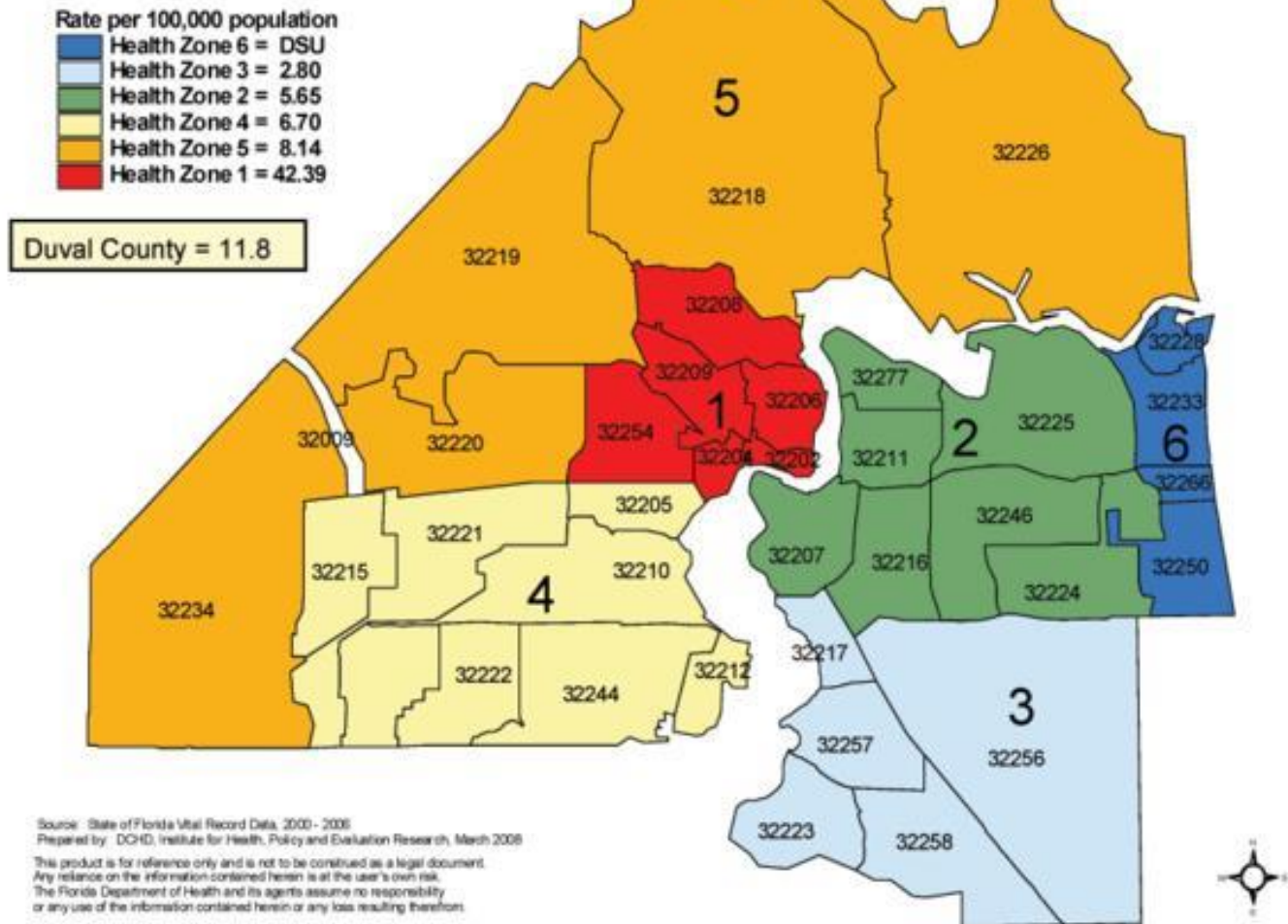
## Suicide Deaths by Health Zone, Duval County, 2004-2006



On the contrary, suicide deaths are highest in Health Zone 6, one of the highest income and education zones in Duval County. Suicides are typically more prevalent among whites. Following this trend, 90% of all suicide deaths in Duval County were among whites.

Figure 15

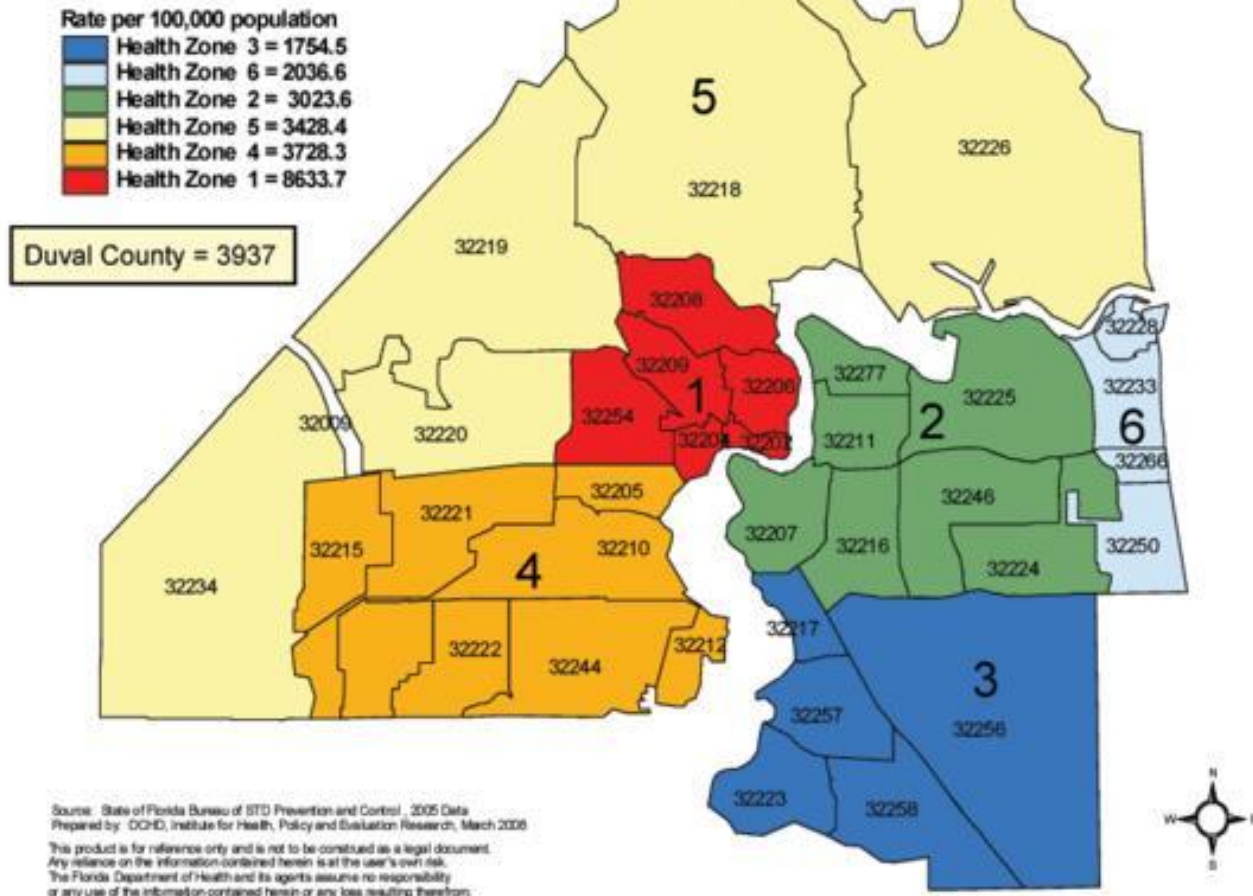
### HIV/AIDS Deaths by Health Zone, Duval County, 2000 - 2006



Health Zone 1 has the highest ageadjusted death rate with 42.4 deaths per 100,000. This is 420.9% higher than the second highest Zone, 5, with 8.14 per 100,000.

Figure 16

### STD Rate Ages 15-24 by Health Zone, Duval County, 2005

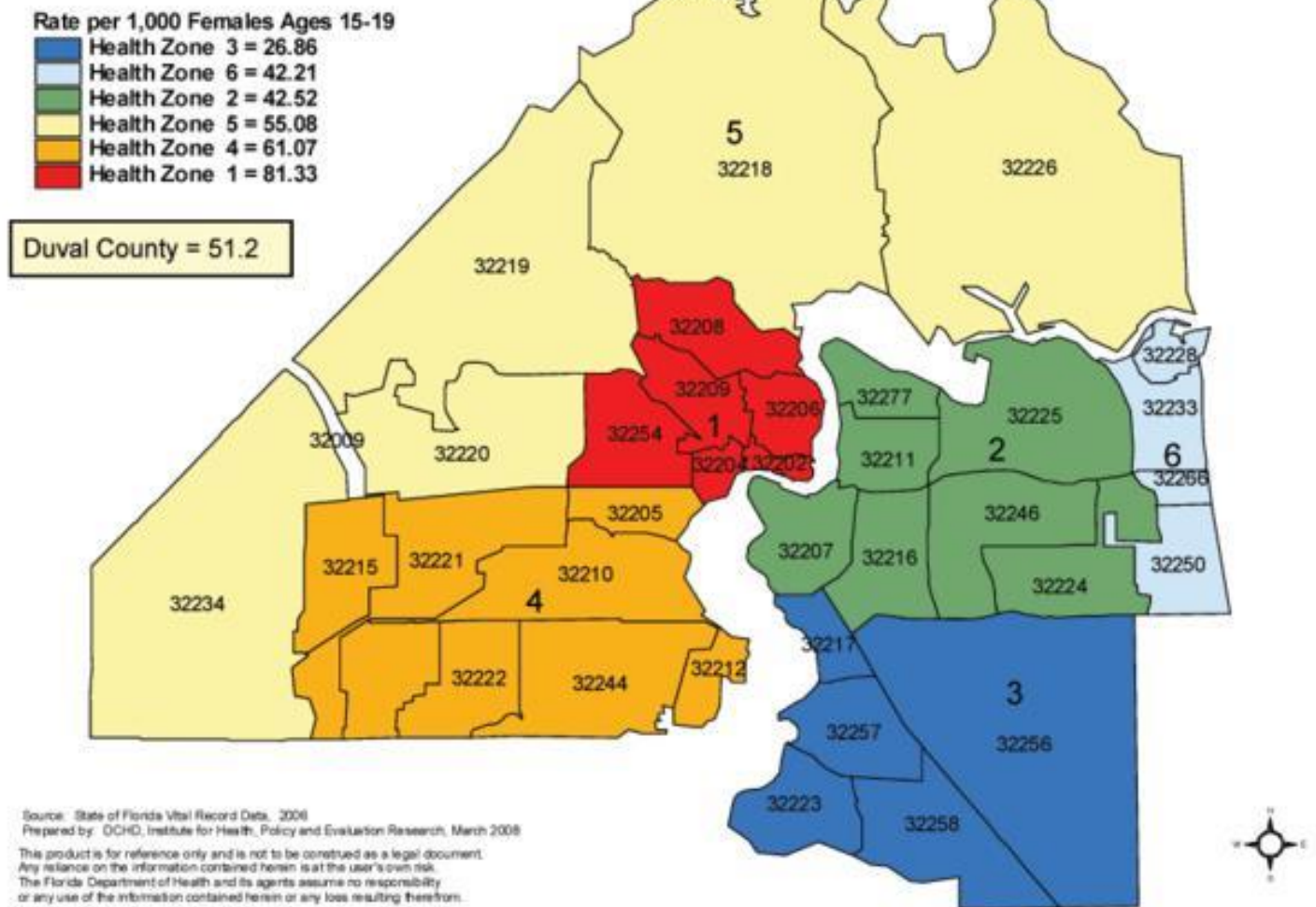


The STD rate in Duval County is staggering, with 3,937 per 100,000 population ages 15-24 being infected. Health Zone 1 is significantly higher than all other health zones with a rate of 8,633 per 100,000, 131.6% higher than the next highest health zone. Health Zone 3 has the lowest rate of STDs, 48.4% lower than the overall rate of Duval County



Figure 17

### Teen Birth Rate Ages 15 - 19 by Health Zone, Duval County, 2006

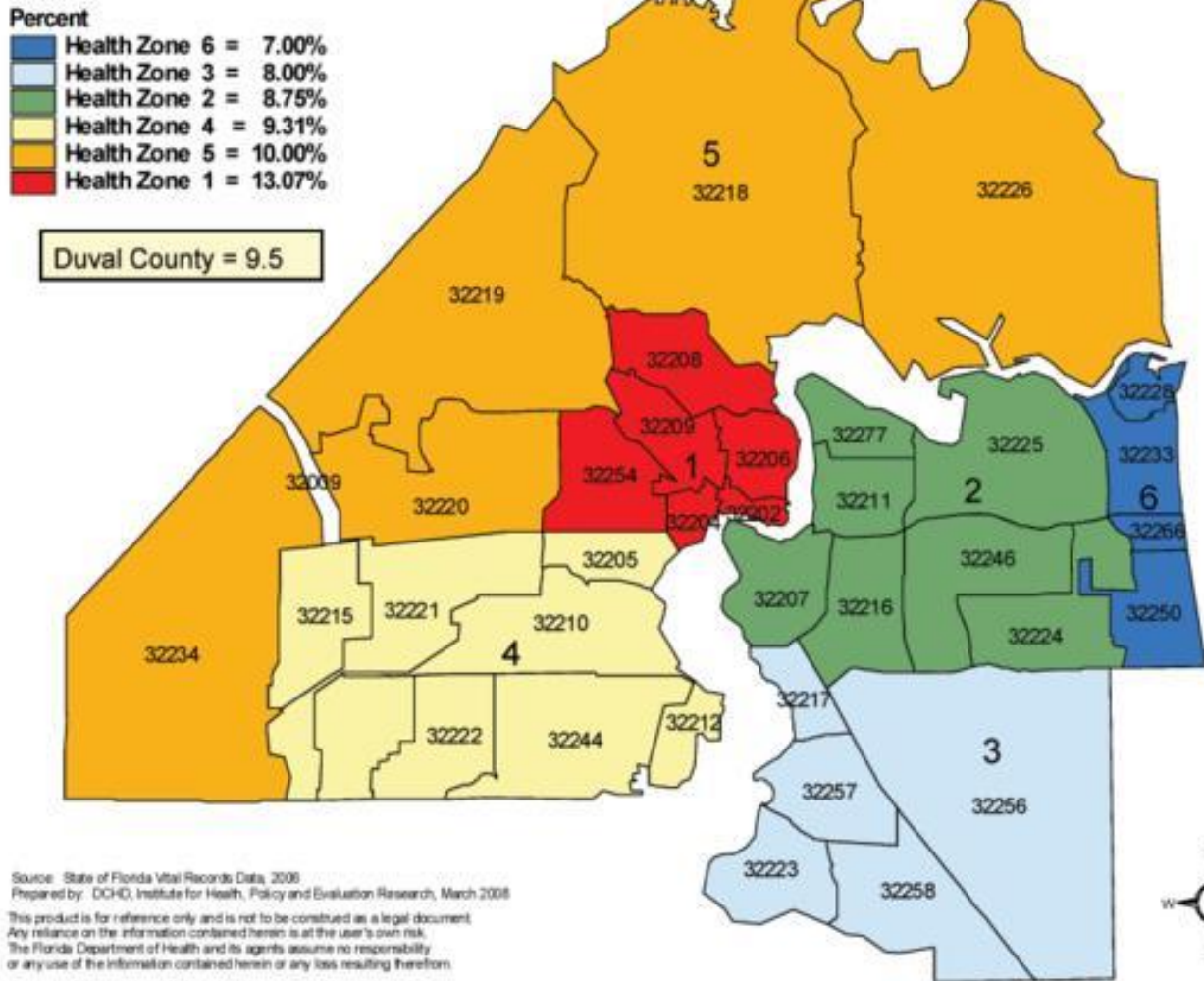


The teenage pregnancy rate in Duval County has decreased substantially overall since 1997, although increased slightly in 2006 to 51.2 per 1,000 female population ages 15-19 years.

Health Zone 1 has the highest rate with 81.33 per 1,000 followed by Health Zone 4 with 61.07 per 1,000. Health Zone 3 has the lowest rate of teen pregnancies with 26.86 per 1,000 female population 15-19 years.

Figure 18

### Low Birth Weight by Health Zone, Duval County, 2006

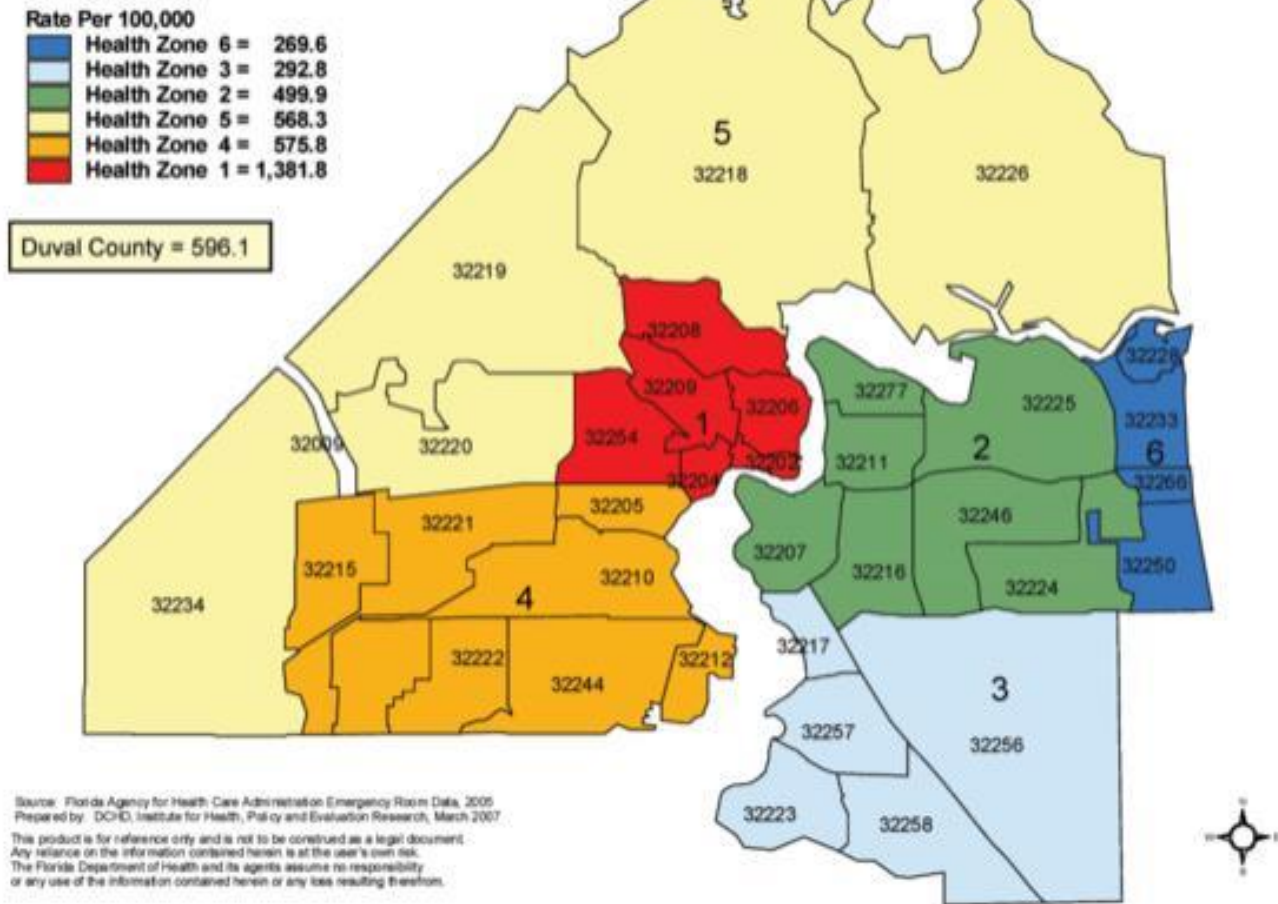


Health Zone 1 has the highest percent of LBW babies with 13.07%, followed by Health Zone 5 with 10.0%.

Similarly, Health Zone 1 also has the highest rate of infant mortality with 13.1 per 1,000 live births (see Figure 1).

Health Zone 6 has the lowest percent of LBW and infant mortality rates.

## Asthma Related Emergency Room Visits by Health Zone, Duval County, 2005



The rate of asthma related emergency room visits in Duval County is 596.1 per 100,000 residents.

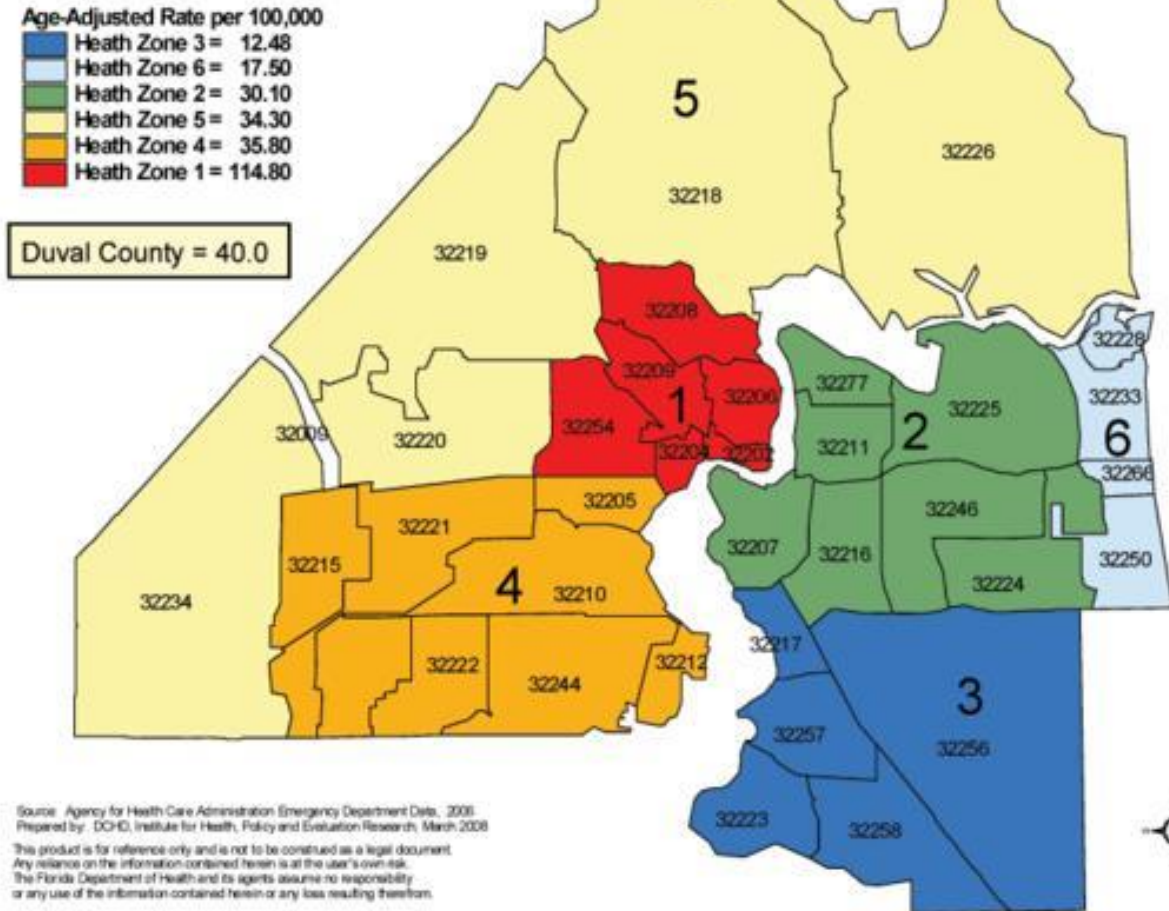
Health Zone 1 has the highest rate of asthma emergency room visits with a rate of 1381.8 per 100,000 residents. The rate is 131.8% higher than the overall county rate.

Health Zone 4 has the second highest rate even though it is 58% lower than the rate for Health Zone 1. The rate for Health Zone 4 is followed by the rates for Health Zones 5, 2, and 3.

Health Zone 6 has the lowest rate of asthma related emergency room visits with a rate of 269.6 per 100,000.

Figure 20

### Emergency Room Visits - Uncontrolled Diabetes by Health Zone, Duval County, 2005



Residents of Health Zone 1 have the highest rate of ER visits due to uncontrolled diabetes. The rate, 114.8 per 100,000, is 220.7% higher than the second highest rate of 35.8 for Health Zone 4.

Health Zone 3 has the lowest rate of ER visits due to uncontrolled diabetes. Health Zone 1's rate is over 9 times the rate of Health Zone 3.

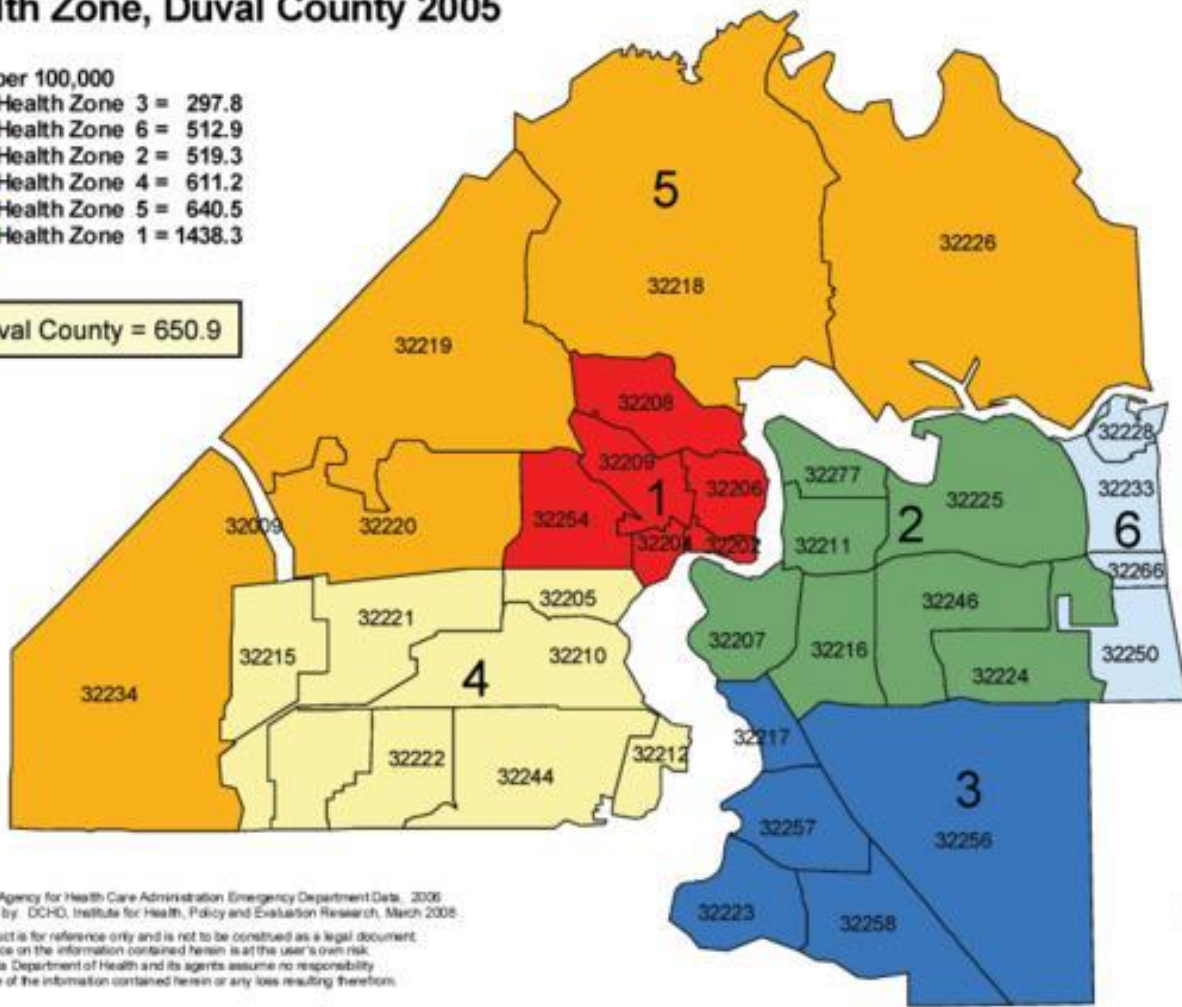


## Emergency Room Visits - Intentional Injuries by Health Zone, Duval County 2005

Rate per 100,000

Health Zone 3 = 297.8
Health Zone 6 = 512.9
Health Zone 2 = 519.3
Health Zone 4 = 611.2
Health Zone 5 = 640.5
Health Zone 1 = 1438.3

Duval County = 650.9



Source: Agency for Health Care Administration Emergency Department Data, 2006  
 Prepared by: DCHO, Institute for Health, Policy and Evaluation Research, March 2008  
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Intentional injuries are injuries which result from things like violent acts. The ER rates provided are strictly a combination of homicide and suicide.

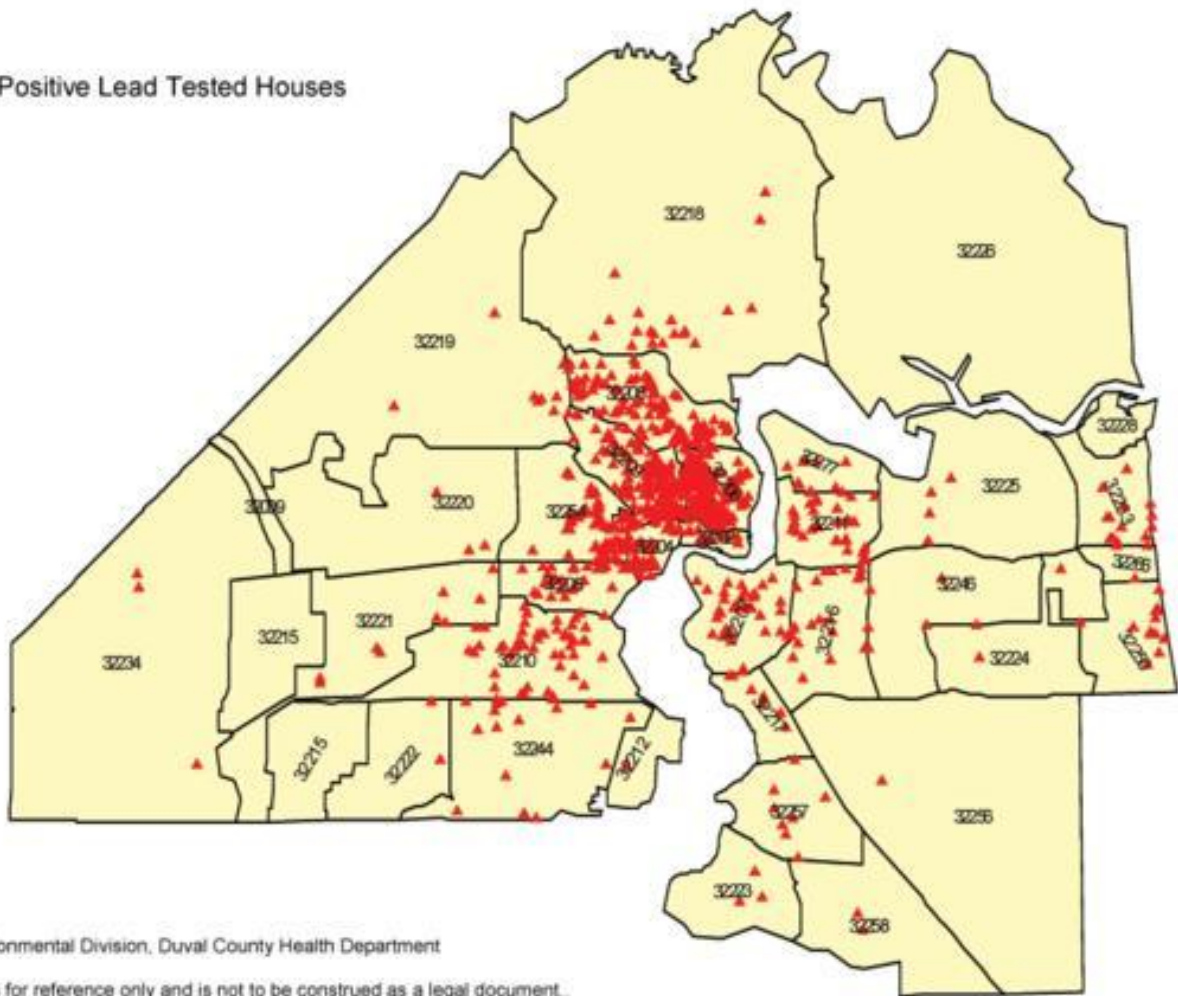
ER visits from violent injuries are primarily due to fights and brawls, followed by gun assaults.

Health Zone 1 has the highest rate of ER visits due to intentional injuries at 1438.3 per 100,000 population. Health Zone 5 has the second highest rate at 640.5 which is 55.4% less than the rate for Health Zone 1.

Health Zone 3 has the lowest rate at 297.8 which is 79.3% lower than the rate for Health Zone 1, the highest rate.

# Positive Lead Tested Houses by Zip Code, Duval, 2006

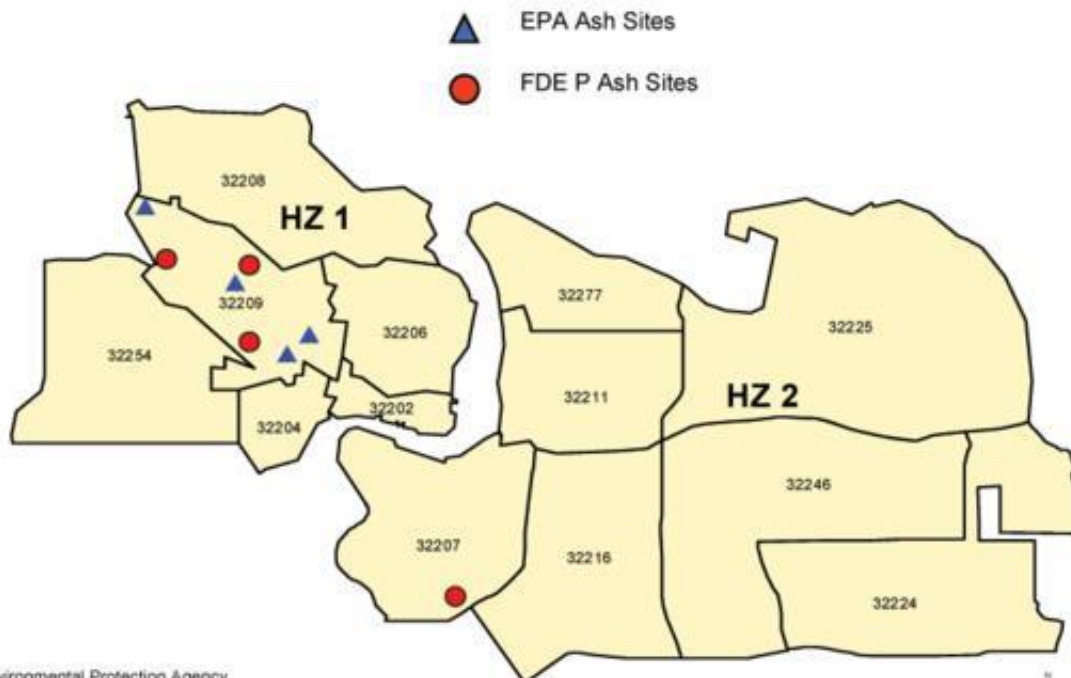
▲ Positive Lead Tested Houses



Source: Environmental Division, Duval County Health Department

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## FDEP and EPA Ash Sites by Zip Code, Duval County, 2006



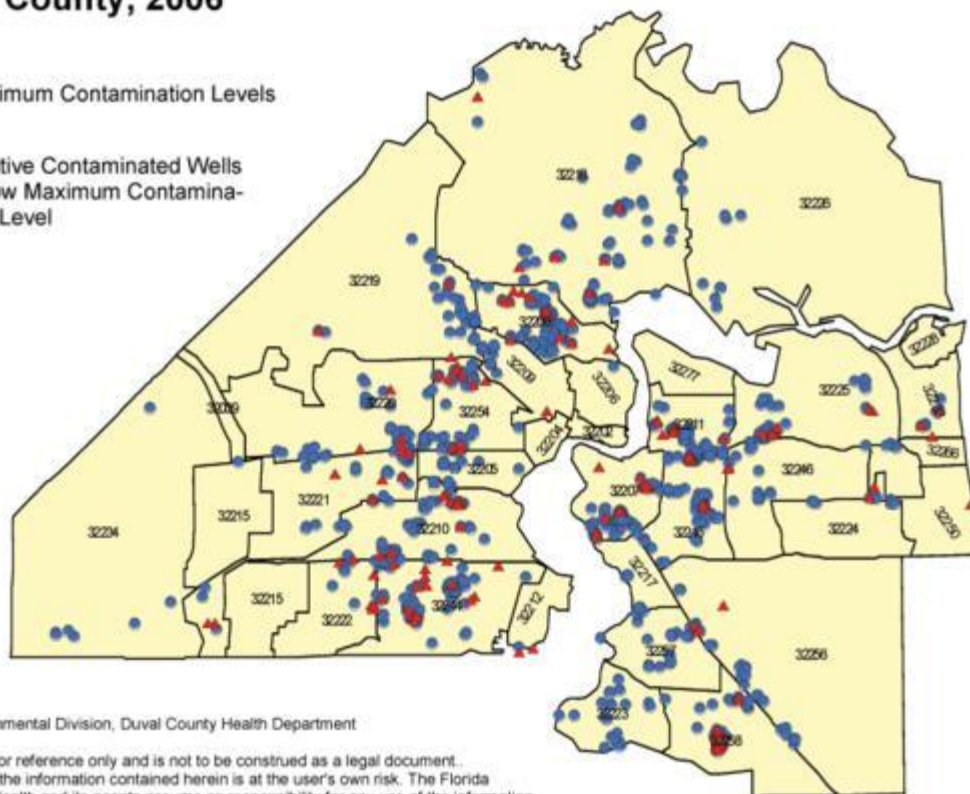
EPA = Environmental Protection Agency  
 FDEP = Florida Department of Environmental Protection  
 Source: Environmental Division, Duval County Health Department



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## Contaminated Water Wells by Zip Code, Duval County, 2006

- ▲ Maximum Contamination Levels
- Positive Contaminated Wells Below Maximum Contamination Level



Source: Environmental Division, Duval County Health Department

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