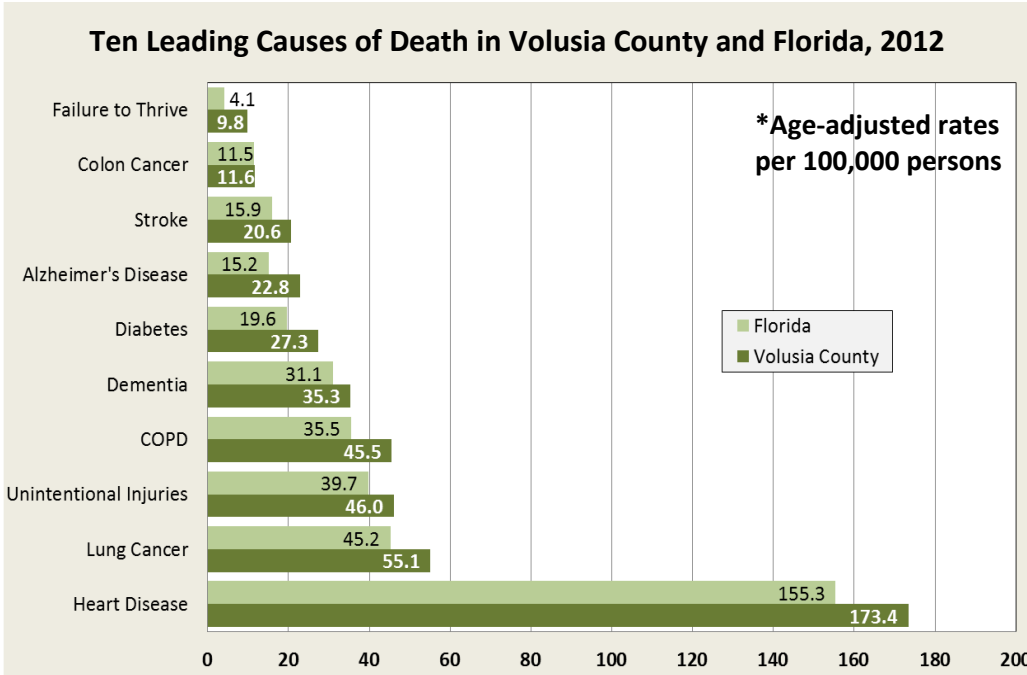




# PUBLIC HEALTH DATA BRIEF



## LEADING CAUSES OF DEATH IN VOLUSIA COUNTY



The 2012 Volusia County age-adjusted death rates exceeded each of Florida's top ten causes of death. More than half (59.0%) of the 6,295 Volusia County deaths in 2012 were attributed to the top ten causes of death. Furthermore, the five leading causes accounted for 45.6% of all Volusia County deaths. Heart disease (173.4), was 11.6% higher in Volusia County than Florida. Heart disease led all other rates; it was at least 180% greater than the next leading cause of death for Volusia and Florida. Overall, Volusia County (790.0) had a 14.0% higher rate of death than Florida (680.7).

\*Age-adjusting allows for comparisons between groups regardless of differences in their population size or age. It is calculated the "disease rate" per 100,000 persons.

## Five Leading Causes of Death in Volusia County by Quadrant, 2012

Rank	Northwest Quadrant	Northeast Quadrant	Southwest Quadrant	Southeast Quadrant
1st	Heart Disease 112.8	Heart Disease 174.9	Heart Disease 166.0	Heart Disease 148.0
2nd	Lung Cancer 38.0	Lung Cancer 56.8	Lung Cancer 47.1	Lung Cancer 58.3
3rd	Unintentional Injuries 33.1	Unintentional Injuries 48.2	Dementia 37.3	COPD 53.2
4th	COPD 24.5	COPD 45.1	COPD 35.8	Unintentional Injuries 50.7
5th	Dementia 17.4	Diabetes 35.4	Stroke 29.1	Dementia 33.3

The two leading causes of death for Volusia County remained unchanged at the sub-county level in 2012. Heart disease and lung cancer were the top two causes of death across all quadrants. COPD, heart disease and lung cancer were present in the top five causes of death in every one of the quadrants. Diabetes and stroke broke into the top five causes for the northeast and southwest quadrants, only. Over all types of death, the northeast quadrant scored the highest death rate at 841.4, followed by the southeast quadrant (720.4), then the southwest quadrant (674.2) and the northwest quadrant with the lowest rate of 462.7 per 100,000 persons.

Data source for both tables: Florida Department of Health, Bureau of Vital Statistics, Death files, 2012.

## Age-adjusted Rates of the Five Leading Causes of Death by Quadrant, Race/Ethnicity, Volusia County, 2012

Type of Death	Northwest Quadrant				Northeast Quadrant				Southwest Quadrant				Southeast Quadrant			
	B	W	H	O	B	W	H	O	B	W	H	O	B	W	H	O
Heart Disease	1 128.5	1 167.0	1 155.4	-	1 232.2	1 167.0	1 59.0	1 100.2	1 102.0	1 172.3	1 135.3	1 115.7	1 161.0	1 149.7	1 72.5	1 38.8
Lung Cancer	3 41.5	2 39.7	4 15.3	-	3 65.5	3 55.4	4 29.1	2 89.7	-	2 50.6	5 21.1	5 37.7	4 62.0	2 59.4	2 67.5	-
COPD	-	4 25.9	-	-	-	4 48.7	-	-	5 8.0	3 37.4	-	-	2 109.9	4 53.3	3 63.3	-
Dementia	-	5 17.9	-	-	4 34.9	5 35.2	-	5 23.1	3 36.4	4 37.1	3 29.9	2 44.9	-	5 33.7	-	-
Unintentional Injuries	2 45.9	3 35.5	3 38.0	-	-	2 59.3	2 42.7	-	4 9.3	5 35.6	4 22.1	-	3 55.2	-	-	-
Alzheimer's	4 34.2	-	-	-	-	-	-	-	-	-	-	4 44.7	5 29.3	-	-	-
Stroke	-	-	-	-	-	-	-	-	-	-	-	3 44.9	-	-	-	2 31.6
Diabetes	5 13.5	-	2 49.2	-	2 67.7	-	-	4 24.4	2 38.4	-	2 35.6	-	3 79.9	-	4 58.8	3 23.3
Colon Cancer	-	-	-	-	5 22.1	-	3 43.6	3 26.4	-	-	-	-	-	-	-	-
Liver Cancer	-	-	-	-	-	-	5 26.4	-	-	-	-	-	-	-	5 45.3	-

**Note:** B = Black W = White H = Hispanic O = Other Races; Numbers 1-5 represent the rank of the type of death within the racial group, For example, lung cancer is the third leading cause of death for blacks in the Northwest Quadrant.

**Data Source:** Florida Department of Health, Bureau of Vital Statistics, 2012.

- Blacks in the northeast quadrant were the only race with a rate above 200 deaths per 100,000 population with 232.2 for heart disease
- Death rates for blacks in the northeast quadrant were 28% higher than the next highest race (whites) in the quadrant
- No race among the quadrants had the same top two causes of death
- Colon cancer was a leading cause of death only in the northeast quadrant
- Liver cancer was a leading cause of death only for Hispanics in the eastern quadrants
- Strokes were a leading cause of death for Other races only and limited to the southern quadrants

