



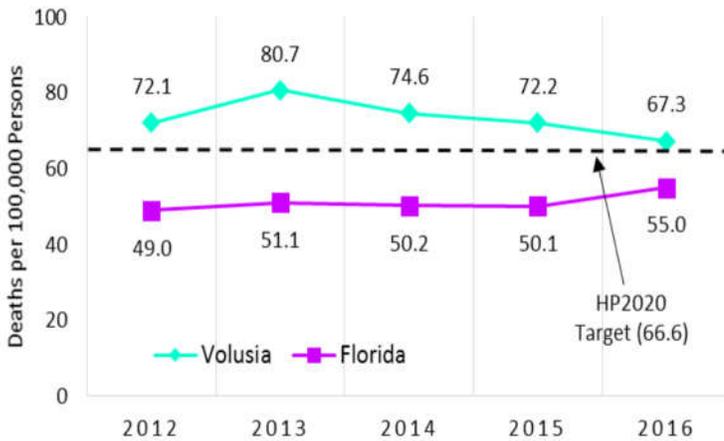
PUBLIC HEALTH DATA BRIEF



DIABETES IN VOLUSIA COUNTY

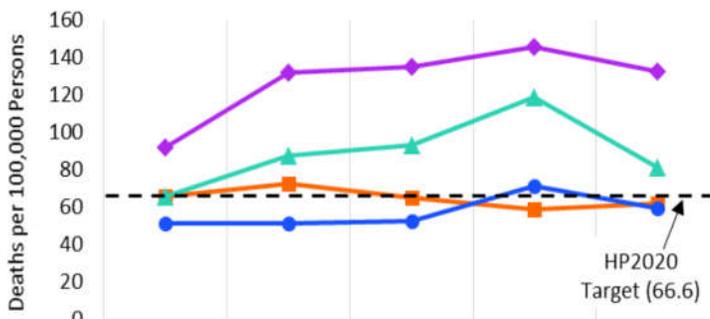
The Centers for Disease Control and Prevention (CDC) report diabetes as the 7th leading cause of death in the United States, Florida, and Volusia County. CDC estimates that more than 30 million people in the U.S. and 2.4 million people in Florida have diabetes. The CDC National Diabetes Statistics Report 2017 reveals that the impact of diabetes on the community varies by the age, gender, race/ethnicity, and address of its residents. The variance in the distribution of diabetes by the demographic characteristics of Volusia County residents is revealed in this report.

**Age-Adjusted* Diabetes Death Rates
Volusia County and Florida, 2012-2016**



↑ The Volusia County diabetes death rate decreased 6.7% from 2012 to 2016, while the rate for Florida increased 12.2%

**Age-Adjusted* Diabetes Death Rates by Race/Ethnicity
Volusia County, 2012-2016**



Health Inequities in Deaths from Diabetes by Gender and Quadrant, Volusia County, 2016

Quadrant (Age-adjusted death rate)	Measure	Female	Male
Northeast (65.8)	% Population	50.4%	49.6%
	% Diabetes Deaths	37.6%	62.4%
Northwest (75.4)	% Population	51.7%	48.3%
	% Diabetes Deaths	41.6%	58.4%
Southeast (74.5)	% Population	51.7%	48.3%
	% Diabetes Deaths	36.3%	63.7%
Southwest (89.0)	% Population	51.5%	48.5%
	% Diabetes Deaths	42.6%	57.4%

↑ Male residents, in contrast to females, were over-represented in diabetes deaths in each quadrant in comparison to their numbers in the general populations in 2016

← The diabetes death rate for black residents was 25 to 75 points higher than the HP2020 target

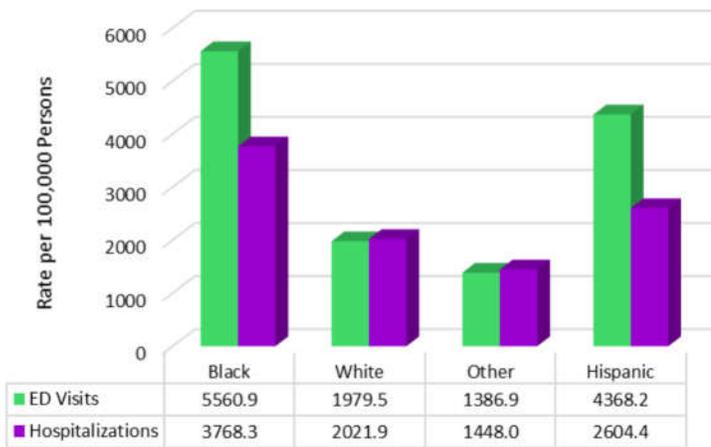
NOTE: Age-Adjusting*

The frequency with which health events occur is almost always related to age. The age-adjusted rate is a summary measure that eliminates the effect of the underlying age distribution of the population, allowing for comparisons between populations regardless of their age structure.

This report includes primary and contributing diabetes diagnoses.

	2012	2013	2014	2015	2016
Black	91.9	132.2	135.0	145.9	132.5
White	65.7	72.4	65.2	59.0	62.0
Other	51.2	51.5	52.3	71.3	59.6
Hispanic	65.5	87.7	93.3	118.9	81.1

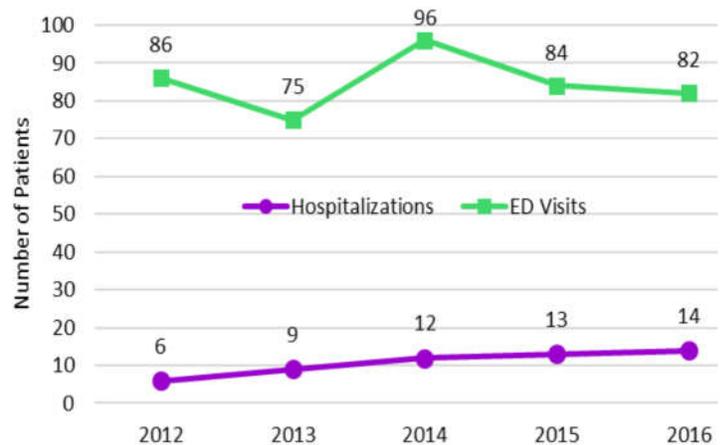
Age-Adjusted Rates of ED Visits and Hospitalizations Due to Diabetes by Race/Ethnicity, Volusia County, 2016



- ← Black residents in Volusia County had higher rates of emergency department (ED) visits and hospitalizations when compared to white, Hispanic and Other racial/ethnic groups
- ← Black residents were almost twice as likely than white residents to be hospitalized and almost three times as likely to visit the ED due to diabetes

- ED visits were relatively stable over the period with a 4.7% decrease from 2012 to 2016
- Type 2 diabetes hospitalizations increased each year for children under 18 years of age in Volusia County from 2012 to 2016 and increased 133% overall

Type 2 Diabetes ED Visits and Hospitalizations for Children under 18, Volusia County, 2012-2016



Diabetes Measures for Emergency Department Visits , Volusia County, 2016

Measures	Florida	Volusia County	Quadrants			
			Northeast	Northwest	Southeast	Southwest
Age-adjusted ED visits rates per 100,000 population	N/A	2461.6	2339.7	2521.1	1695.1	3227.1
Total charges	\$6,098,599,376	\$109,546,549	\$23,232,692	\$20,820,742	\$14,954,886	\$48,409,456
Average charge per visit	\$8,961.64	\$6,641.20	\$5,017.86	\$8,197.14	\$4,720.61	\$8,218.92

- ↑ Volusia County and each of its quadrants had a lower average charge per ED visit due to diabetes than Florida
- ↑ The age-adjusted rates of ED visits due to diabetes, in three of the four quadrants, were lower than the Volusia County rate

Sources:

Agency for Health Care Administration, ED and Hospitalization datasets, 2012-2016; CDC: About Diabetes, <https://www.cdc.gov/diabetes/basics/diabetes.html>; CDC National Diabetes Statistics Report 2017; www.FLHealthCHARTS.com (Community Health Assessment Resource Tool Set); Florida Department of Health, Bureau of Vital Statistics, 2012-2016; Florida Diabetes Advisory Council: 2017 Florida Diabetes Report; Healthy People 2020

For more information, contact the Florida Department of Health in Volusia County Office of Planning & Performance Management at 386 274-0605 or visit our website, www.volusiahealth.com/stats

