



Defiance County General Health District Epidemiology Assessment

1st Quarter Report

April 5, 2017

Senior Falls by Month (2016-2017)

Table 1. Number of fall-related ED visits by month for Defiance County residents¹

Month	2016	2017	% Change (+/-)
January	21	33	+57%
February	41	34	-17%
March	39	33	-15%
April			
May			
June			
July			
August			
September			
October			
November			
December			
Total	101	100	-0.9%

Figure 1. Location of Falls, 2013-2016³

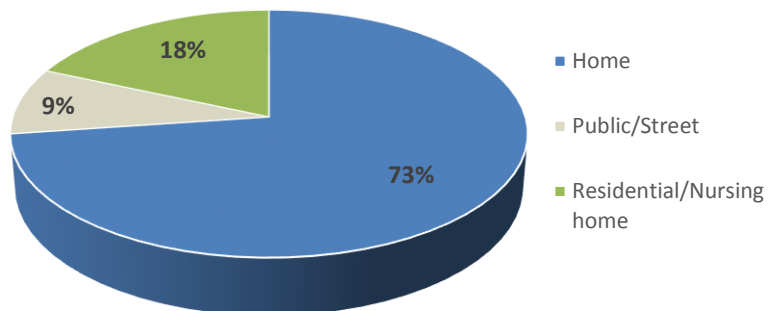


Figure 1. illustrates the percent where the fall occurred among seniors within Defiance County. Seventy-three percent of falls were reported as taking place within a home. In Table 2, from 2013-2016, individuals ages 65 years and older accounted for 62% of all falls. The number of falls were found to be similar among males and females.

Falls Among the Elderly

This report was created as a surveillance effort to help understand the needs of the community concerning senior falls. Seniors are defined in this report as adults ages 65 years and older. Table 1 displays the total number of emergency department (ED) visits coded as falls from all Defiance County hospital ED records. During the first quarter in 2016 compared to 2017, there were no significant difference in the number of fall-related ED visits. In 2017, in the first quarter, there were 40 emergency medical service (EMS) runs, where a EMS team was dispatched to a resident's home and assisted an individual that fell². The EMS runs represents all age groups. In 2017, the total known senior falls in Defiance County including both ED visits and EMS runs were 140 falls.

Table 2. Percent of falls by age group, 2013-2016³

Age	% Females	% Males
<1	0%	0%
1-4	0.56%	2.22%
5-9	3.33%	0%
10-14	0.56%	2.22%
15-19	0%	0.56%
20-24	0%	0%
25-34	1.67%	3.89%
35-44	1.67%	2.78%
45-54	1.67%	6.11%
55-64	2.22%	8.89%
65-74	7.78%	5.56%
75-84	12.78%	9.44%
85+	18.33%	7.78%
Total	50.75%	49.45%

¹ ED visits coded as falls are derived from data in the EpiCenter and represent only those reported in the system. These data are provisional and subject to change when additional data are reported. All data is on Defiance County residents, including residents who may have sought medical help at a hospital outside of Defiance County. Falls are selected based on codes at diagnosis. Data reported as of 4/5/2017.

² Defiance Fire and Rescue Division, EMS

³ Northwest Ohio Regional Trauma Registry.