REPORT: Dayton Residents Potentially Affected by Closure of Good Samaritan Hospital

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Summary

Nearly 38,600 residents of the Dayton area could face life-threatening changes to emergency room access due to the closure of Good Samaritan Hospital. That is the number of Dayton area residents who live closer to the Good Samaritan Emergency Room than to any other emergency room in the area. If Good Samaritan closes they will all have longer trips to the next closest emergency room and there is no guarantee that the next closest emergency room will have enough capacity to meet increased demand. Of those 38,600 residents, 75% are African American.

Background

Advocates for Basic Legal Equality asked the Kirwan Institute for the Study of Race and Ethnicity at The Ohio State University (hereafter, Kirwan Institute) for its expert assistance assessing the potential impact of the closure of Good Samaritan Hospital in Northwest Dayton. The Kirwan Institute utilized cutting-edge mapping techniques and found that the closure could affect emergency medical options for nearly 38,600 residents.

Race Overlay Map

This map depicts the percent African American mapped at the census tract level using the US Census ACS 2016 5 Year Estimates. The percentages on the map labeled are the tracts closest to each respective hospital and show the percent African American within that census tract. The census tracts closest to the Good Samaritan site consist of majority African American neighborhoods that average 76% African American. The closes census tracts surrounding the Miami Valley ER average 12% African American. The closest census tracts surrounding Good Samaritan North ER averages 15% African American.

Distance to Good Samaritan North ER by Automobile Map

This map depicts the time it would take to travel to the Good Samaritan North ER by automobile during a typical weekday afternoon. Each interval on the map is broken down by 5 minute travel times to simplify the map. This map does not model traffic congestion during peak travel times in which travel times may increase. This map shows that the area affected by Good Samaritan Hospital closing in Dayton, residents in the vicinity, if they needed to go to Good Samaritan North’s ER, would take between 8 and 16 minutes depending on their location with those living in West Dayton seeing the highest travel times.

Distance to Miami Valley ER by Automobile Map

This map depicts the time it would take to travel to the Miami Valley ER by automobile during a typical weekday afternoon. Each interval on the map is broken down by 5 minute travel times to simplify the map. This map does not model traffic congestion during peak travel times in which travel times may increase. This map shows that the area affected by Good Samaritan Hospital closing in Dayton, residents in the vicinity, if they needed to go to the Miami Valley ER, would take between 10 and 23 minutes depending on their location with Trotwood seeing the highest travel times.
Area where people live closer to Good Samaritan Hospital than to any other hospital
Percent African American by Hospitals

% African American

0 - 10%
10% - 25%
25% - 50%
50% - 75%
> 75%

Dayton

Trotwood

Harrison Township

Clayton

Englewood

Vandalia

Northridge

Miami Valley

Good Samaritan North

Site of Closing

Grandview Medical Center
Trip Times to Miami Valley ER by Automobile

Minutes to Hospital

- 0 - 5 Mins
- 5 - 10 Mins
- 10 - 15 Mins
- 15 - 20 Mins
- 20 - 25 Mins
- 25 - 30 Mins