

# Primary Stroke Center Access in the Great Lakes Region

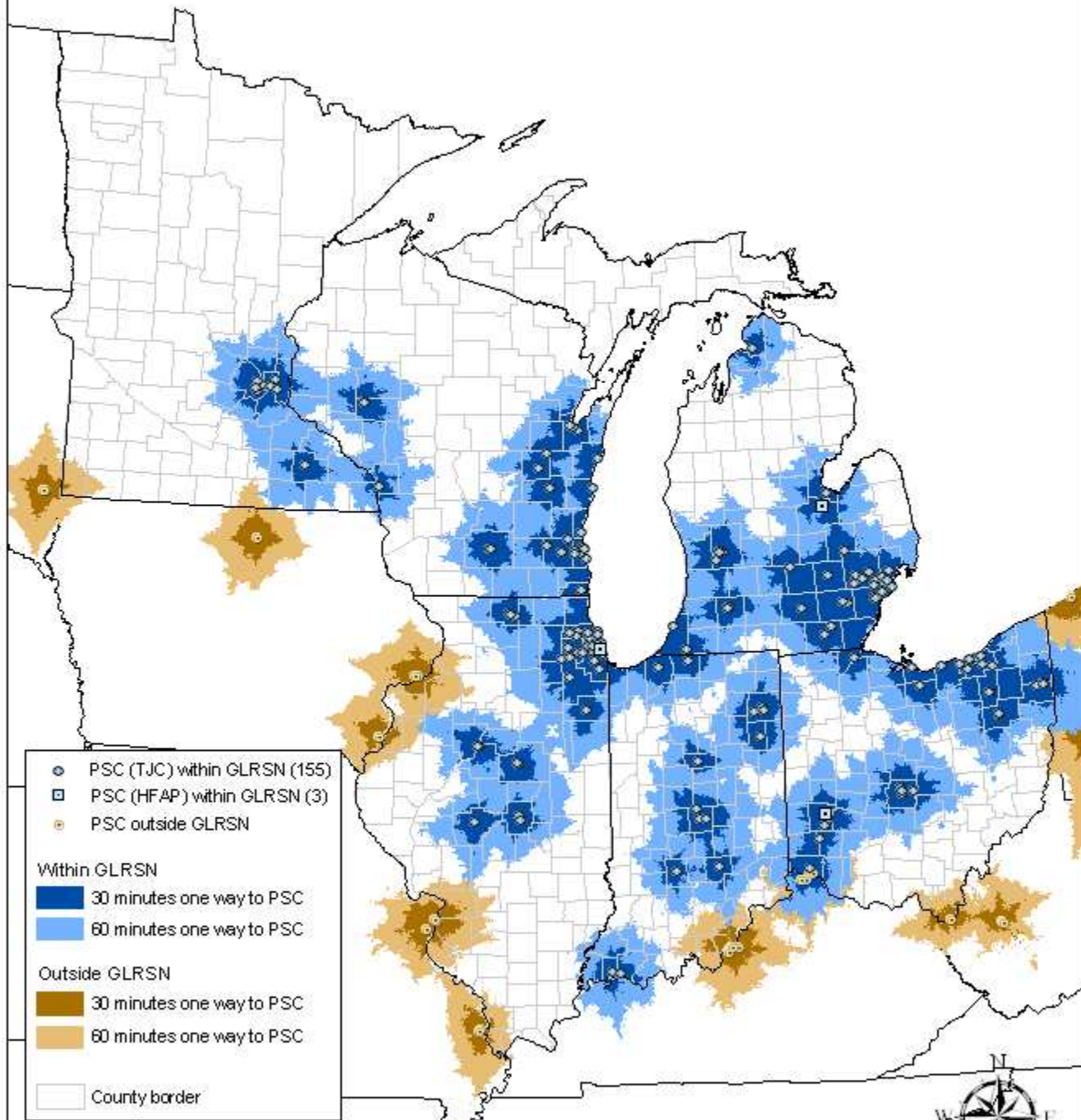
---

- Primary Stroke Centers (PSCs) are found mostly in urban areas.
- Approximately 87% of the population in the Great Lakes region is within the 60 minute driving distance to a primary stroke center.
- Roughly 13% of the Great Lakes population are not in a 60 minute driving distance, making the need for helicopter transport, telemedicine and/or interventional therapy necessary.
- Counties that do not have primary stroke centers are more likely to be classified as rural.
- Primary stroke centers tend to be near each other in clusters.
- Total number of PSCs in GLRSN\* = 158 (155 Joint Commission, 3 Healthcare Facilities Accreditation Program). \* TJC as of 09/29/2009. HFAP as of 12/01/2009.
- Primary Stroke Center certification is in effect for two years. These hospitals have the resources and are capable of providing high quality stroke care. Stroke care is not exclusive to PSCs. Stroke patients may be cared for in any acute care hospital.

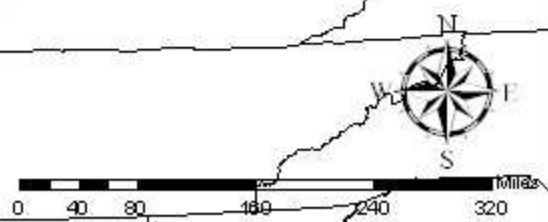
## How this map was created

This map was used creating ARC GIS software. Network Analyst Settings for Drive Time Analyses. Source: Geographic Coordinate System: GCS\_North\_American\_1983. Datum: D\_North\_American\_1983. Default Break: "30" [for 30 minute drive times], "60" [for 60 minute drive times]. Direction: Towards facility. Selected "Ignore invalid locations". Restrictions: One Way. For those addresses that ArcMap could not match (software could not locate the address of the facility) an address within 0.3 miles was selected that was found by the software to represent the unmatched facility. IL: 0 facilities, IN: 2, MI: 3, OH: 1, WI: 0. Drive times are based speed limit for that individual street. U-turns were allowed everywhere.

# Great Lakes Regional Stroke Network Ground Transportation Drive Times to PSC



GLRSN: Great Lakes Regional Stroke Network  
PSC: Primary Stroke Center  
PSC (TJC): Primary Stroke Centers certified by the Joint Commission  
PSC (HFAP): Primary Stroke Centers certified by the Healthcare Facilities Accreditation Program



**Primary Stroke Centers certified by The Joint Commission reported as of September 29, 2009 ([www.jointcommission.org](http://www.jointcommission.org));  
PSC certified by Healthcare Facilities Accreditation Program reported as of December 1, 2009 ([www.hfap.org](http://www.hfap.org))**