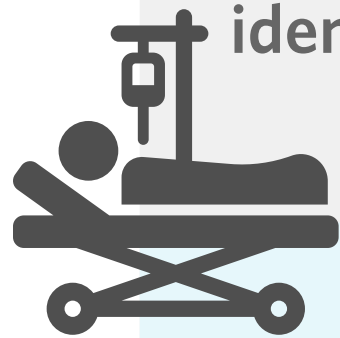


# Transportation Barriers to Surgical Care Increase the Likelihood of Emergency Surgical Intervention

By Tracking Traffic Paths to Hospitals Offering Elective/Emergency Surgical Care, Researchers Can Determine How Best to Address Existing Barriers



Facilities with acute surgical capacity identified within a 20-mile radius of Denver's city center

Shortest paths determined for all 144 census tracts surveyed

## Key Findings

- Patients spent **approximately 12 minutes by car vs. 33 minutes by public transportation** traveling each way to acute care facility
- **In tracts with higher minority populations** Residents *less likely* to have access to a personal vehicle ...  
Approx. **3 minutes in increased travel time by bus** for every **10% increase in minority population**



[facs.org/clincon2020](https://facs.org/clincon2020)

Research from University of Colorado School of Medicine  
Tran B, et al. When More is Less: Increased Time Burden and Disparity in Access to Surgical Care by Transportation Means. *Scientific Forum*. American College of Surgeons Clinical Congress 2020.

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