



EMERGENCY RESPONSE

Access to timely emergency medical care is a critical factor in reducing the severity of injuries and saving lives following roadway crashes.

The Emergency Response Challenge Area therefore looks at improving incident detection, verification, response, and clearance times, especially for serious injury crashes.

Level I and II trauma centers are the highest-level facilities. These are larger medical facilities that are equipped for severe trauma cases. These facilities are concentrated in more densely populated or urban areas.

Level III and IV trauma centers offer more limited emergency and surgical services. These centers tend to serve smaller cities and rural communities, and are not always equipped for the most severe trauma cases.

Comparison of FSI Crash Locations and Trauma Center Locations

Percent of statewide FSI crashes occurring within **30 miles of facility***

Level I and II
Trauma Centers



83%

138,074 FSI crashes
(21% Fatal)

Level I, II, III, and IV
Trauma Centers



91%

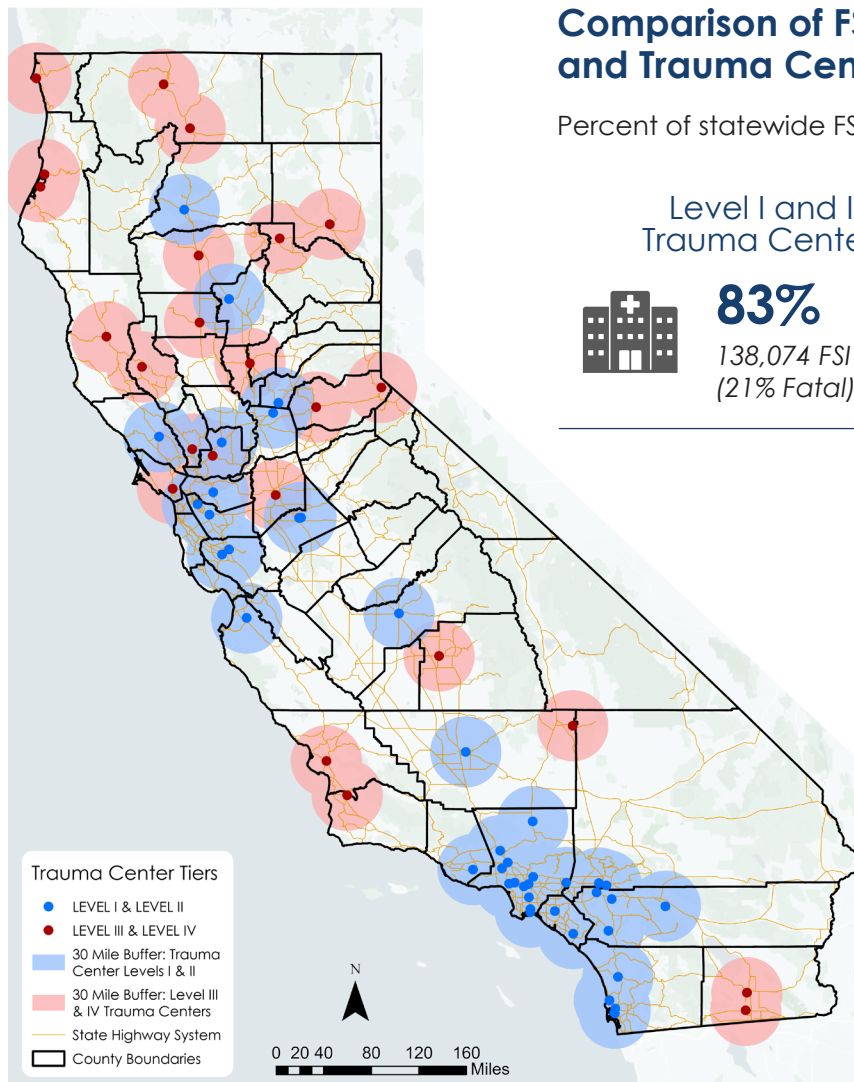
150,714 FSI crashes
(21% Fatal)

No Trauma Center
Coverage (>30 miles)



9%

15,139 FSI crashes
(24% Fatal)



There is an increased share of **fatal crashes** in areas greater than 30 miles from trauma center.

*Distance value (30 miles) chosen to represent conservative estimate of 1 hour travel times to nearest trauma center between areas of California.

Sources: Statewide Integrated Reporting System (SWITRS) 2014–2023, California Department of Public Health (CDPH)
Geospatial Resources, Caltrans California Road System (CRS)

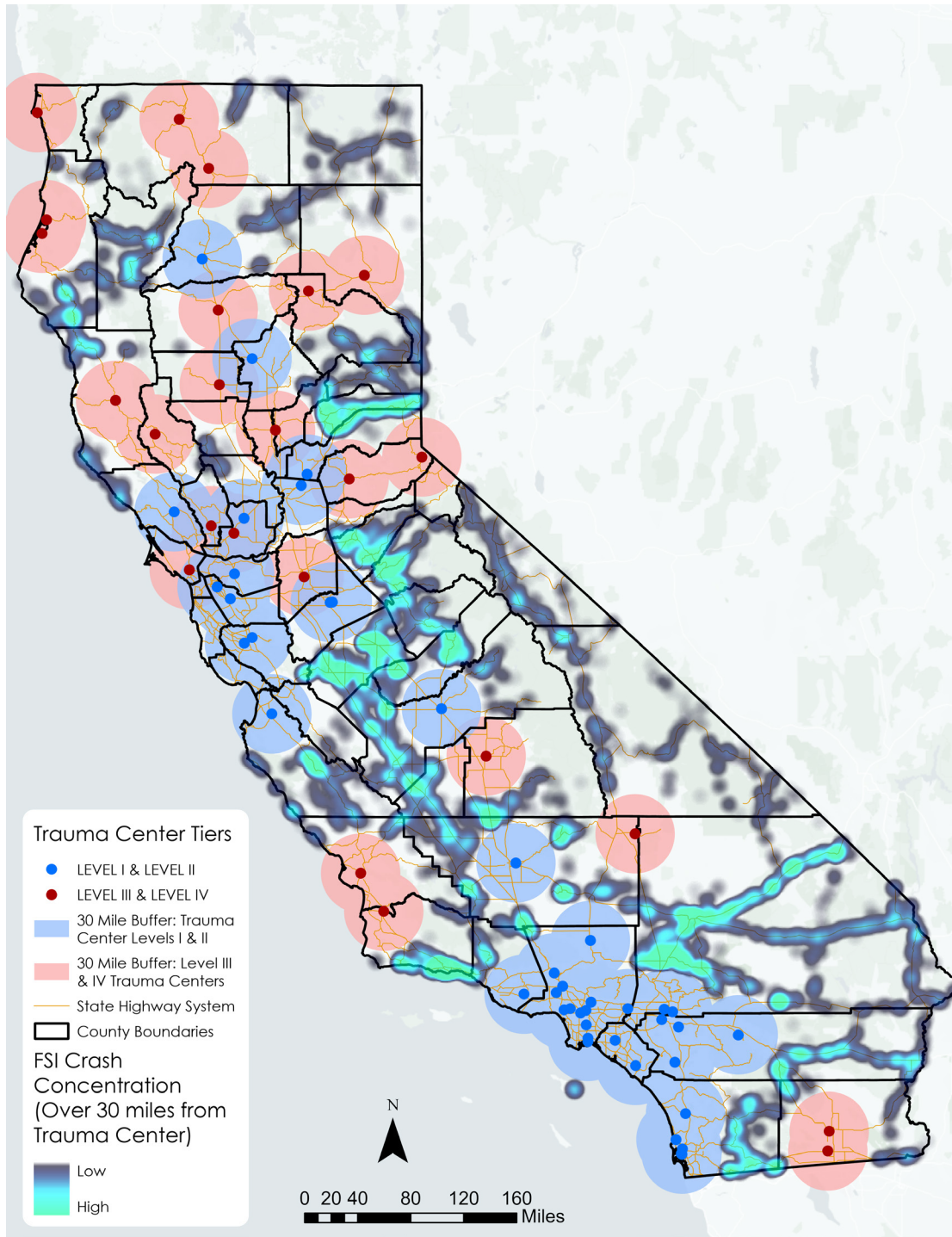
For more information, visit the
SHSP Crash Data Dashboard:





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FSI Crash Concentration for Locations Outside of 30 Mile Distance from Trauma Center (Level I-IV)



Sources: Statewide Integrated Reporting System (SWITRS) 2014–2023,
California Department of Public Health (CDPH)
Geospatial Resources, Caltrans California Road System (CRS)

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Trauma Center Locations and Low-Income Communities



Low-income community is defined as Census tract with median household income that is less than 80 percent of statewide median household income (\$77,067 in 2023).

Sources: Statewide Integrated Reporting System (SWITRS) 2014–2023, California Department of Public Health (CDPH) Geospatial Resources, Caltrans California Road System (CRS), US Census American Community Survey 2023

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