

# Seismic Hazard & Risk Context – Chile (2004–2024)

Spatial concentration of hospital access in relation to seismic hazard

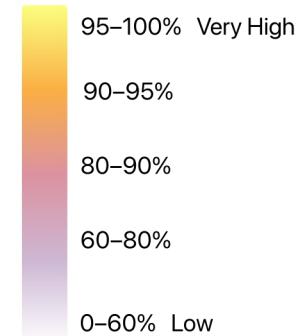
## National Legend

- Major population centers
- ✚ Hospitals with emergency services
- Nazca-South America subduction zone
- ◻ Chile national boundary

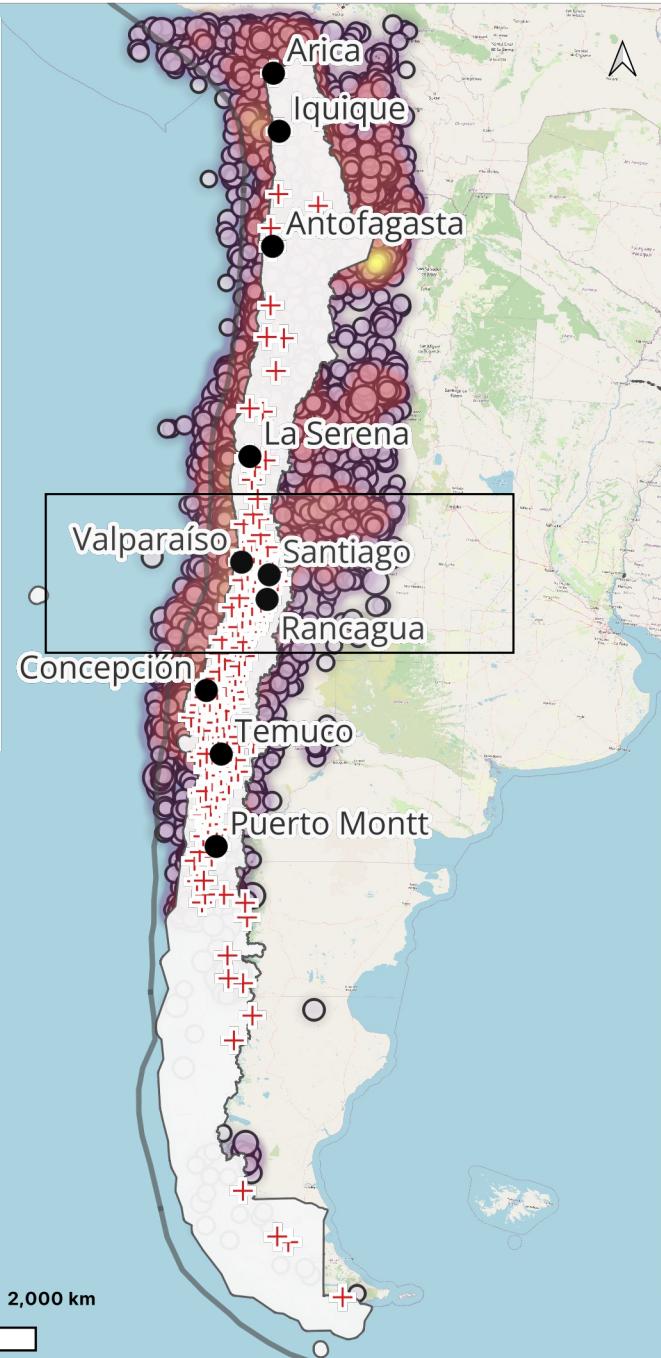
### Earthquakes (M 4.0–8.8)

- 4 - 4.2
- 4.2 - 4.5
- 4.5 - 4.9
- 4.9 - 5.6
- 5.6 - 8.8

Earthquake Density (KDE Percentile)  
Kernel Density Estimate, 2004–2024

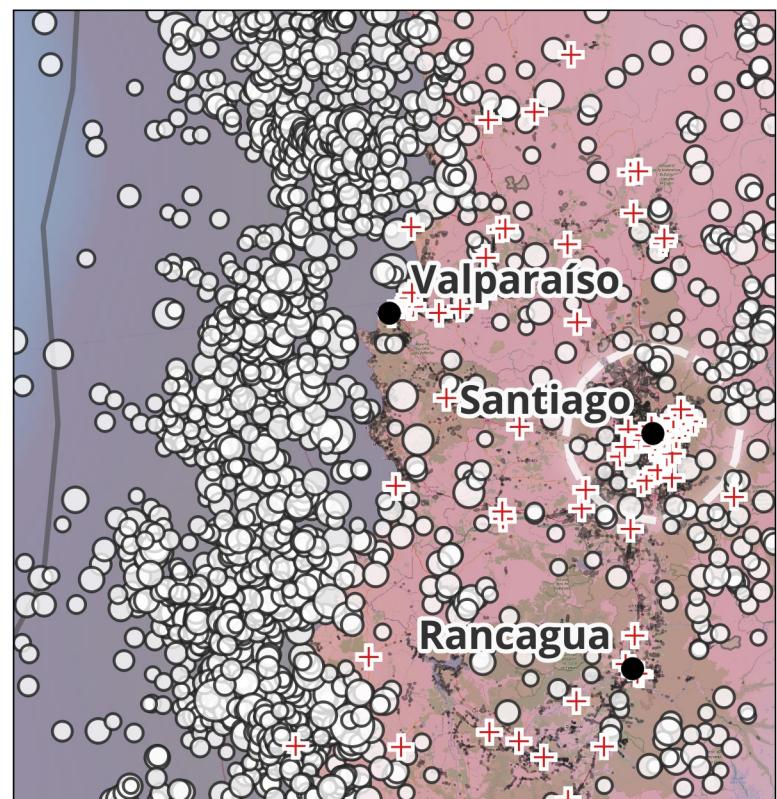


0 500 1,000 1,500 2,000 km



## Central Chile: Seismic Activity and Population

- ✚ Emergency Hospitals
- Major population centers
- Nazca-South America subduction zone
- Urban/Developed Areas



Data: USGS Earthquake Catalog (2004–2024); OpenStreetMap (hospitals, basemap); Natural Earth (population centers); USGS/Bird (2003) plate boundaries.