

SB 1953 Facts*

Risk of a 7.0 or greater earthquake in Los Angeles by 2030: **80 to 90%**¹

Number of SPC-1² hospital buildings in Los Angeles county needing retrofit or reconstruction under SB 1953: **336**³

Probability of a 7.0 or greater earthquake in the Bay Area by 2030: **62%**⁴

Number of SPC-1 hospital buildings in the Bay Area needing retrofit or reconstruction under SB 1953: **171**⁵

Magnitude of 1994 Northridge quake: **6.7**⁶

Number of hospitals “red tagged” as unsafe for occupancy after Northridge quake: **12**⁷

Cost of hospital damage and resulting evacuations as a result of Northridge quake: **\$3 billion**⁸

Cost per square foot of constructing a new furnished and equipped hospital building in California: **\$1,000**

Square feet of SPC-1 hospital floor space needing retrofit or reconstruction under SB 1953: **52.4 million**

Percent of the total acute care hospital building space in California that this represents: **54%**

Estimated percent of SPC-1 hospital buildings that will be retrofitted or reconstructed by 2013: **50%**

Date by which hospitals must retrofit to prevent SPC-1 buildings from collapsing after a quake: **2013**⁹

Date by which all hospital buildings must be able to continue operations following an earthquake: **2030**¹⁰

Estimated total construction costs of reconstructing remaining SPC-1 buildings by 2030:
\$45 to \$110 billion¹¹

Factor by which financing costs could increase the cost: **2**

Current average cost per adjusted patient day among all California hospitals: **\$1,980**¹²

Additional cost per adjusted patient day as a result of SB 1953 construction: **\$200 to \$950**

*Unless otherwise noted, all statistics sourced from RAND report.

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1. United States Geological Survey Web site.
 2. SPC-1 is a classification that indicates that the hospital is a collapse hazard.
 3. OSHPD. *Summary of Hospital Seismic Performance Ratings*, April 2001.
 4. United States Geological Survey Web site.
 5. Includes nine counties. OSHPD. *Summary of Hospital Seismic Performance Ratings*, April 2001.
 6. California Seismic Safety Commission, *Finding and Recommendations on Hospital Seismic Safety*, 2001.
 7. *ibid.*
 8. *ibid.*
 9. The mitigation may be by retrofit, reconstruction, or taking the building out of service. The deadline is 2008, however, an extension can be requested to 2013, which most hospitals with SPC-1 buildings have requested. A further extension to 2015 is feasible under limited circumstances.
 10. SPC-1 and SPC-2 buildings (even SPC-1 buildings that have been retrofitted) must be reconstructed by this time.
 11. Only reflects costs of complying with 2008/2013 deadline.
 12. OSHPD 2004 estimate.