



Earthquake damage varies depending on the level of shaking experienced and characteristics of the building's structure and other systems. Design choices affect the amount and types of likely damage.

\* Includes Risk Category IV and other buildings with enhanced seismic resistance features. \*\* Some retrofitted buildings can experience much less damage.

New code-compliant buildings have very low risks of casualties in the US. Some older buildings have high safety risks.

Design choices affect the odds of a green tag (no restrictions), yellow tag (restricted entry), or red tag (unsafe, no entry).

Design choices affect the amount of time required before a building can be occupied after an earthquake.

More resilient buildings typically cost slightly more upfront, but result in lower post-earthquake repair costs and consequences.

Building materials require energy to produce. The amount and types of repairs required affect carbon releases and energy usage.