**7.2**

Magnitude

**Place:** 67 km WSW of Constitución

**Time:** 29 September, 15:57 GMT

**Depth:** 9.79 km

**Coord.:** Lat: -35.48 Lon: -73.14

**Populat.:** 0 within 30 Km

Automatically generated **SHAKE MAP** powered by:

**ADAM** - Automated Disaster Analysis and Mapping

**29 September 2019** 18:20:40 GMT

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**MODIFIED MERCALLI INTENSITY SCALE:** 7.6/10

**Intensity class VII:** People have difficulty standing. Drivers on the road feel their cars shaking. Furniture may be overturned and broken. Loose bricks fall from buildings and masonry walls and cracks in plaster and masonry may appear. Weak chimneys may break at the roofline. Damage is slight to moderate in well-built structures; considerable in poorly constructed buildings and facilities.

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**Concepts and definitions**

Shake Map combines instrumental measurements of shaking with information about local geology and earthquake location and magnitude to estimate potential impacts throughout a geographic area. The estimated intensity map is derived from ground motions recorded by seismographs and represents Modified Mercalli Intensities (MMI's) that are likely to have been associated with the ground motions.

Magnitude and Intensity measure different characteristics of earthquakes. Magnitude measures the energy released at the source of the earthquake. Magnitude is determined from measurements on seismographs. Intensity measures the strength of shaking produced by the earthquake at a certain location. Intensity is determined from effects on people, human structures, and the natural environment. (Source: USGS)