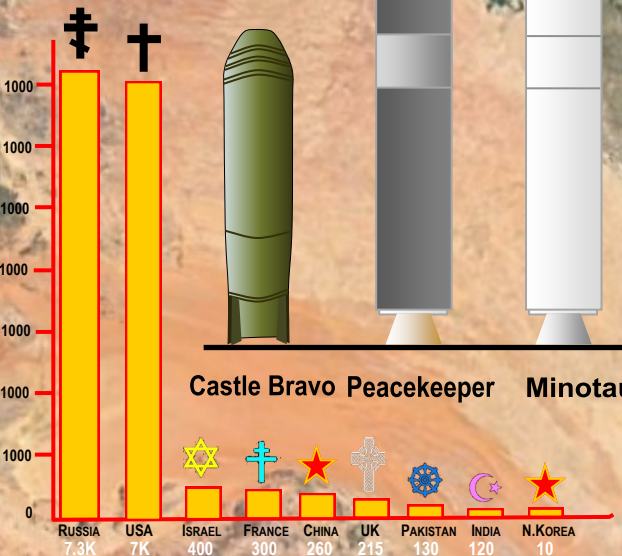
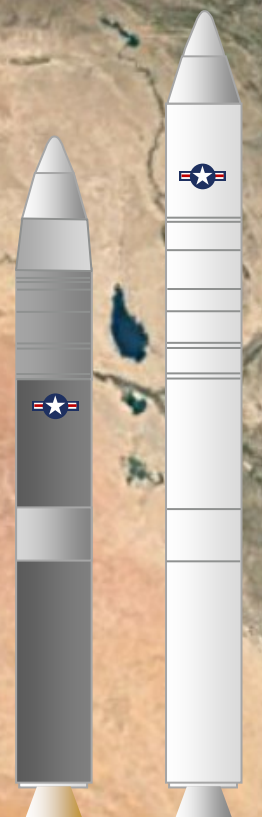


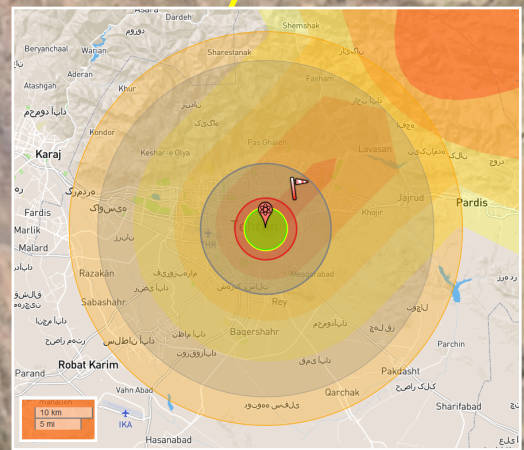
# IRAN NUCLEAR DETONATIONS

## 15-17 MEGATON NUKE USA STRIKES ON IRAN'S NUCLEAR SITES

Only (5) 15-17 megaton nukes on the 5 major nuclear sites would destroy facilities and radiate .33 of the nation, and kill approximately 10% of the total population.



Data SIO, NOAA, U.S. Navy, NGA, GEBCO  
Image Landsat / Copernicus



**STATS**  
Capital: Teheran  
Religion: Shi'ite Islam, others  
Population: 80 million (2016)  
World Bank: NONE  
Continent: Asia  
Official languages: Farsi, Arabic

### NUKEMAP 2.42 : FAQ

Drag the marker to wherever you'd like to target.

Nuclear Sites: Islamic Republic of Iran (Persia)

Enter a yield (in kilotons):

Castle Bravo - Largest USA Bombs (15-17 MT)

Total initial estimated fatalities:

~9,000,000

Total Estimated injuries:

~5,000,000



At 80 million, nearly 10% of the total population of Iran would be died with just 5 Castle Bravo USA type of nuclear weapons. In any given 24-hour period, there are approximately ~10,000,000 people in the 1 psi range of the most recent detonation.

Effects radii for 100 megaton airburst\* (smallest to largest):

- Radiation radius (500 rem): 3.63 km (41.4 km<sup>2</sup>)**  
500 rem radiation dose; without medical treatment, there can be expected between 50% and 90% mortality from acute effects alone. Dying takes between several hours and several weeks.
- Fireball radius: 3.71 km (43.2 km<sup>2</sup>)**  
Maximum size of the nuclear fireball; relevance to lived effects depends on height of detonation. If it touches the ground, the amount of radioactive fallout is significantly increased.
- Air blast radius (20 psi): 5.37 km (90.5 km<sup>2</sup>)**  
At 20 psi overpressure, heavily built concrete buildings are severely damaged or demolished; fatalities approach 100%.
- Air blast radius (5 psi): 11.3 km (400 km<sup>2</sup>)**  
At 5 psi overpressure, most residential buildings collapse, injuries are universal, fatalities are widespread.
- Radiation radius (3rd degree burns): 34.2 km (3,660 km<sup>2</sup>)**  
Third degree burns extend throughout the layers of skin, and are often painless because they destroy the pain nerves. They can cause severe scarring or disablement, and can require amputation. 100% probability for 3rd degree burns at this yield is 13.9 cal/cm<sup>2</sup>.

Estimated total-dose fallout contours for a 15 megaton surface burst (68% fission) with a 15 mph wind:

Created by Alex Wellerstein, 2012-2017.

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