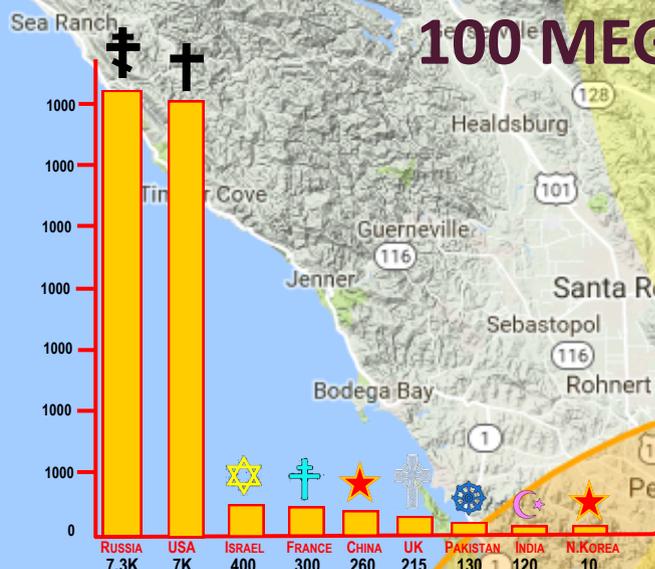


NUCLEAR DETONATIONS

100 MEGATON NUKE 'TSAR' STRIKE IN SAN FRANCISCO



#	City; State	POP
1	New York City; New York	8,336,697
2	Los Angeles; California	3,857,799
3	Chicago; Illinois	2,714,856
4	Houston; Texas	2,160,821
5	Philadelphia; Penn	1,547,607
6	Phoenix; Arizona	1,488,750
7	San Antonio; Texas	1,382,951
8	San Diego; California	1,338,348
9	Dallas; Texas	1,241,162
10	San Jose; California	982,765
11	Austin; Texas	842,592
12	Jacksonville; Florida	836,507
13	Indianapolis; Indiana	834,852
14	San Francisco; California	825,863
15	Columbus; Ohio	809,798
16	Fort Worth; Texas	777,992
17	Charlotte; North Carolina	775,202
18	Detroit; Michigan	701,475
19	El Paso; Texas	672,538
20	Memphis; Tennessee	655,000

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SOME SOURCES
 CityMayors.com
 NuclearSecrecy.com/NukeMap
 Wikipedia.com



'And this shall be the plague with which the LORD will strike all the people who fought against Jerusalem: Their flesh shall dissolve while they stand on their feet, Their eyes shall dissolve in their sockets, And their tongues shall dissolve in their mouths.'
 - Zechariah 14:12

Hiroshima: 15KT (Little Boy)
 Nagasaki: 21 KT (Fat Boy)
 US Average: 25 MT (250 KT)
 Russia Ave: 40 MT (400KT)



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

San Francisco, CA USA

Enter a yield (in kilotons):

'Tsar Bomba' - largest USSR bomb designed (100 MT)

Estimated fatalities:

1,937,220

Estimated injuries:

2,373,590



In any given 24-hour period, there are approximately ~13,000,000 people in the 1 psi range of the most recent detonation.

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

- Radiation radius (500 rem): 6.99 km (153 km²)**
 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: 7.92 km (197 km²)**
 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): 10.1 km (321 km²)**
 At 20 psi overpressure, heavily built concrete buildings are severely damaged or demolished; fatalities approach 100%.
- Air blast radius (5 psi): 21.2 km (1,420 km²)**
 At 5 psi overpressure, most residential buildings collapse, injuries are universal, fatalities are widespread.
- Radiation radius (3rd degree burns): 64.2 km (12,960 km²)**
 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/cm².

Estimated total-dose fallout contours for a 100 megaton surface burst (52% fission) with a 15 mph wind.

Created by Alex Wellerstein, 2012-2017.

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