Pacific Disaster Center *Area Brief: General Executive Summary*	HONOLULU 19:20:21 20 Oct 2016	WASH.D.C. 01:20:21 21 Oct 2016	ZULU 05:20:21 21 Oct 2016	NAIROBI 08:20:21 21 Oct 2016	BANGKOK 12:20:21 21 Oct 2016	TOKYO 14:20:21 21 Oct 2016

Region Selected » Lower Left Latitude/Longitude: 32.4 N˚ , 130.9 E˚
Upper Right Latitude/Longitude: 38.4 N˚ , 136.9 E˚

Legend

Population Density (person/sqkm)

0 — 170,000

Situational Awareness

Additional information and analysis is available for Disaster Management Professionals. If you are a Disaster Management Professional and would like to apply for access, please register here. Validation of registration information may take 24-48 hours.

Current Hazards:

Active Recent Tsunamis

Event	Severity	Date (UTC)	Name	Lat/Long
		21-Oct-2016 05:19:37	Tsunami Information (Pacific Ocean) - Western Honshu Japan - 6.6	35.4° N / 133.9° E

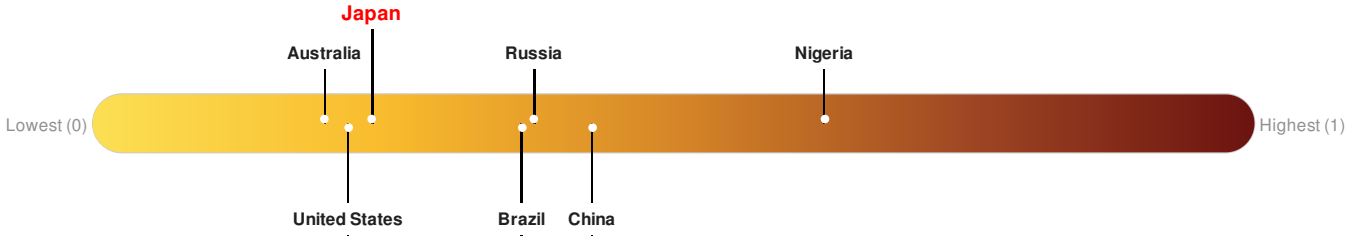
Active Volcanoes

Event	Severity	Last Updated (UTC)	Name	Region	Primary Observatory	Activity	More Information	Lat/Long
		16-Jan-2014 00:10:08	Volcano - Asosan, Japan	Japan	Aso Volcanological Laboratory	New Activity	more info	32.88° N / 131.1° E

Source: PDC

Lack of Resilience Index:

Lack of Resilience represents the combination of susceptibility to impact and the relative inability to absorb, respond to, and recover from negative impacts that do occur over the short term. **Japan** ranks **140** out of **165** on the Lack of Resilience index with a score of 0.24.



Japan ranks **140** out of **165** on the Lack of Resilience Index. Based on the sub-component scores related to Vulnerability and Coping Capacity, the three thematic areas with the weakest relative scores are Recent Disaster Impacts, Marginalization and Environmental Capacity.

Source: PDC

Regional Overview

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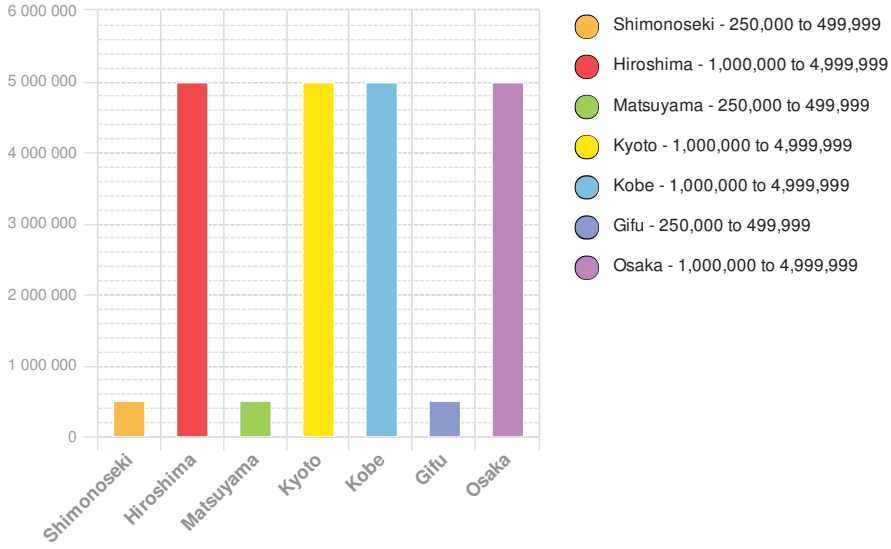
Population Data:

2011

Total: 41, 716, 272
Max Density: 32, 144(ppl/km^2)

Source: iSciences

Populated Areas:



Risk & Vulnerability

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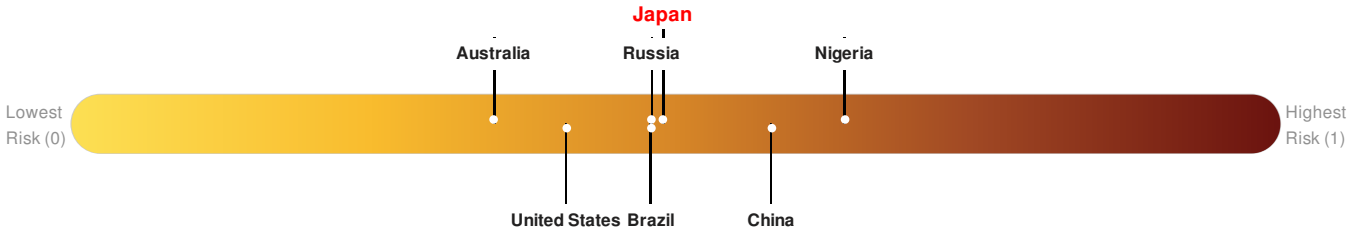
Multi Hazard Risk Index:

Japan ranks **81** out of **165** on the Multi-Hazard Risk Index with a score of 0.49. Japan is estimated to have relatively very high overall exposure, low vulnerability, and very high coping capacity.



Source: PDC

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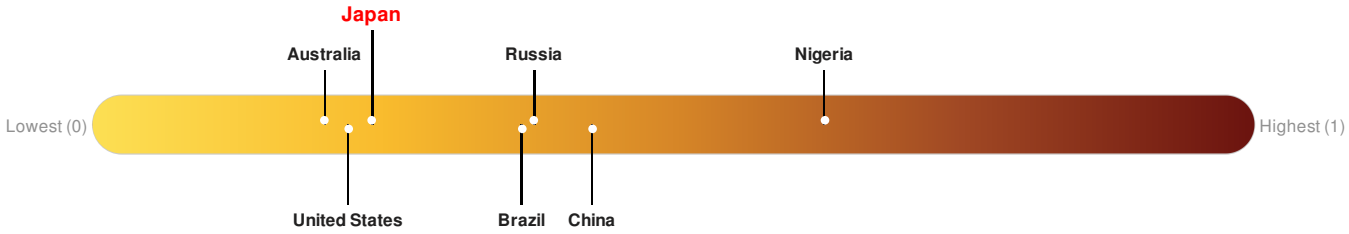

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Source: PDC

Historical Hazards

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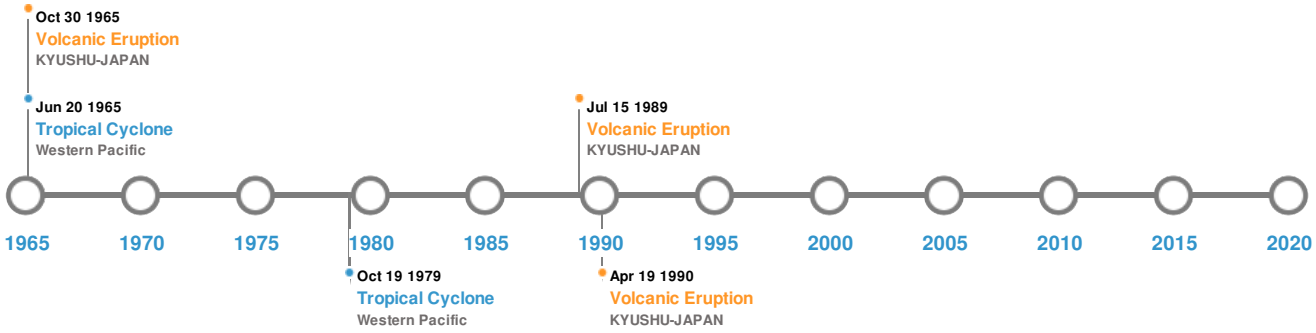
Historical Hazards:



Earthquakes:

5 Largest Earthquakes (Resulting in significant damage or deaths)

Event	Date (UTC)	Magnitude	Depth (Km)	Location	Lat/Long
	26-Aug-0887 00:00:00	8.60	-	JAPAN: NANKAIDO	33° N / 135.3° E
	24-Dec-1854 00:08:00	8.40	-	JAPAN: NANKAIDO	33.1° N / 135° E
	28-Oct-1707 00:05:00	8.40	-	JAPAN: NANKAIDO	33.2° N / 134.8° E
	03-Aug-1361 00:00:00	8.40	-	JAPAN: NANKAIDO	33° N / 135° E
	22-Feb-1099 00:00:00	8.40	-	JAPAN: NANKAIDO	33° N / 135.5° E

Source: Earthquakes

Volcanic Eruptions:

5 Largest Volcanic Eruptions (Last updated in 2000)

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	KUJU GROUP	08-Jan-1661 00:00:00	4.00	KYUSHU-JAPAN	33.08° N / 131.25° E
	ASO	01-Jul-1281 00:00:00	4.00	KYUSHU-JAPAN	32.88° N / 131.1° E
	ASO	20-Apr-1990 00:00:00	3.00	KYUSHU-JAPAN	32.88° N / 131.1° E

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	ASO	16-Jul-1989 00:00:00	3.00	KYUSHU-JAPAN	32.88° N / 131.1° E
	ASO	31-Oct-1965 00:00:00	3.00	KYUSHU-JAPAN	32.88° N / 131.1° E

Source: Volcanoes

Tsunami Runups:

5 Largest Tsunami Runups

Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	15-Jun-1896 00:00:00	JAPAN	38.2	-	SHIRAHAMA	33.68° N / 135.38° E
	24-Dec-1854 00:00:00	JAPAN	28	-	KOCHI PREFECTURE	33.59° N / 133.55° E
	28-Oct-1707 00:00:00	JAPAN	25.7	-	KURE	33.33° N / 133.25° E
	28-Oct-1707 00:00:00	JAPAN	24	-	TANEZAKI	33.5° N / 133.57° E
	23-Dec-1854 00:00:00	JAPAN	21	74	TOBA	34.48° N / 136.82° E

Source: Tsunamis

Tropical Cyclones:

5 Largest Tropical Cyclones

Event	Name	Start/End Date(UTC)	Max Wind Speed (mph)	Min Pressure (mb)	Location	Lat/Long
	NANCY	07-Sep-1961 18:00:00 - 17-Sep-1961 12:00:00	213	No Data	Western Pacific	31.48° N / 146.6° E
	VERA	22-Sep-1959 00:00:00 - 28-Sep-1959 12:00:00	190	No Data	Western Pacific	28.93° N / 150.95° E
	TIP	04-Oct-1979 06:00:00 - 19-Oct-1979 18:00:00	190	No Data	Western Pacific	23.8° N / 141.4° E
	SARAH	11-Sep-1959 06:00:00 - 19-Sep-1959 18:00:00	190	No Data	Western Pacific	30.75° N / 135.65° E
	DINAH	12-Jun-1965 12:00:00 - 20-Jun-1965 12:00:00	184	No Data	Western Pacific	23.88° N / 132.2° E

Source: Tropical Cyclones

Disclosures

* As defined by the source (Dartmouth Flood Observatory, University of Colorado), Flood Magnitude = LOG(Duration x Severity x Affected Area). Severity classes are based on estimated recurrence intervals and other criteria.