Pacific Disaster Center *Area Brief: General Executive Summary*	HONOLULU 04:06:42 14 Aug 2018	WASH.D.C. 10:06:42 14 Aug 2018	ZULU 14:06:42 14 Aug 2018	NAIROBI 17:06:42 14 Aug 2018	BANGKOK 21:06:42 14 Aug 2018	TOKYO 23:06:42 14 Aug 2018

Region Selected » Lower Left Latitude/Longitude: 34.8842 N˚ , 141.0422 E˚
Upper Right Latitude/Longitude: 40.8842 N˚ , 147.0422 E˚

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:

Recent Earthquakes

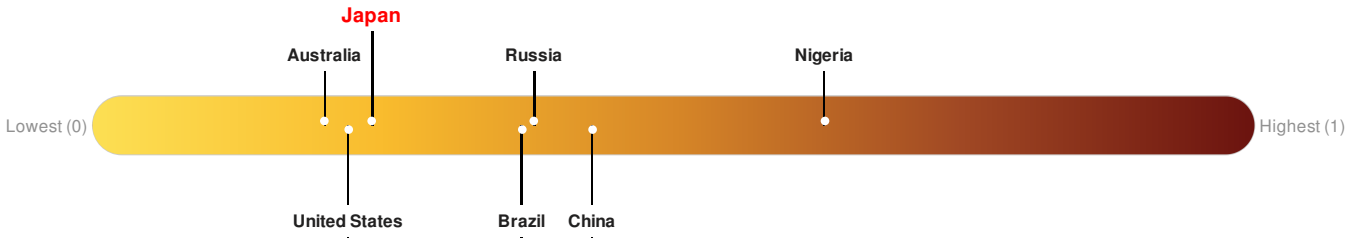
Event	Severity	Date (UTC)	Magnitude	Depth (km)	Location	Lat/Long
		07-Aug-2018 15:36:53	5.5	13.83	241km ESE of Ofunato, Japan	37.88° N / 144.04° E

Source: PDC

Lack of Resilience Index:

The Lack of Resilience Index assesses the susceptibility to impact and the short-term inability to absorb, respond to, and recover from disruptions to a country's normal function.

Japan ranks **140** out of **165** countries assessed for Lack of Resilience. Japan is less resilient than 16% of countries assessed. This indicates that Japan has low susceptibility to negative impacts, and is less able to respond to and recover from a disruption to normal function.



Source: PDC

Regional Overview

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Population Data:

2011

Total: 2, 399, 675
Max Density: 12, 863(ppl/km^2)

Populated Areas:

No significant land or population areas exist within the current map extent. Please use http://atlas.pdc.org/atlas/ for dynamic mapping capabilities.

Source: iSciences

Risk & Vulnerability

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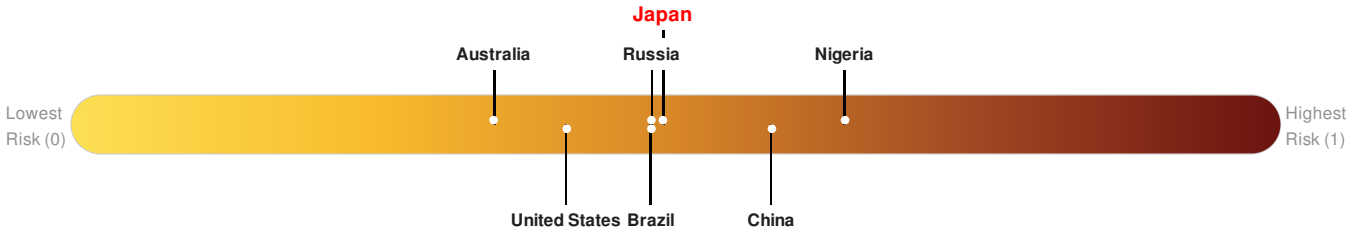
Multi Hazard Risk Index:

The Multi Hazard Risk index assesses the likelihood of losses or disruptions to a country's normal function due to the interaction between exposure to multiple hazards (tropical cyclone winds, earthquake, flood and tsunami), socioeconomic vulnerability, and coping capacity

Multi-Hazard Exposure **Japan** ranks **81** out of **165** countries assessed for Multi Hazard Risk. Japan has a Multi Hazard Risk higher than 51% of countries assessed. This indicates that Japan has more likelihood of loss and/or disruption to normal function if exposed to a hazard.



Source: PDC

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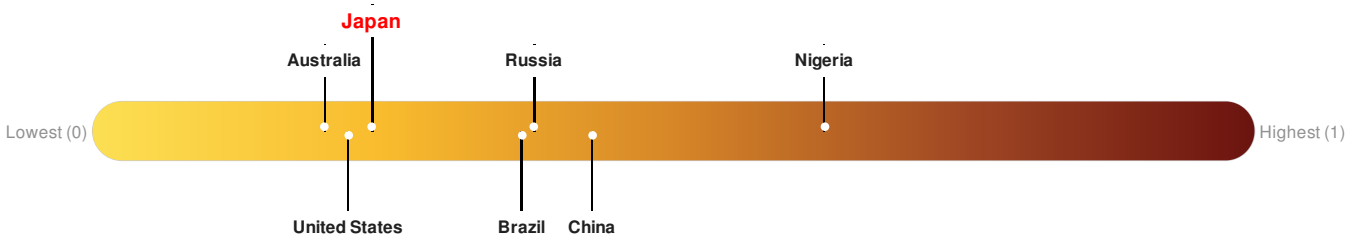

Source: PDC

Historical Hazards

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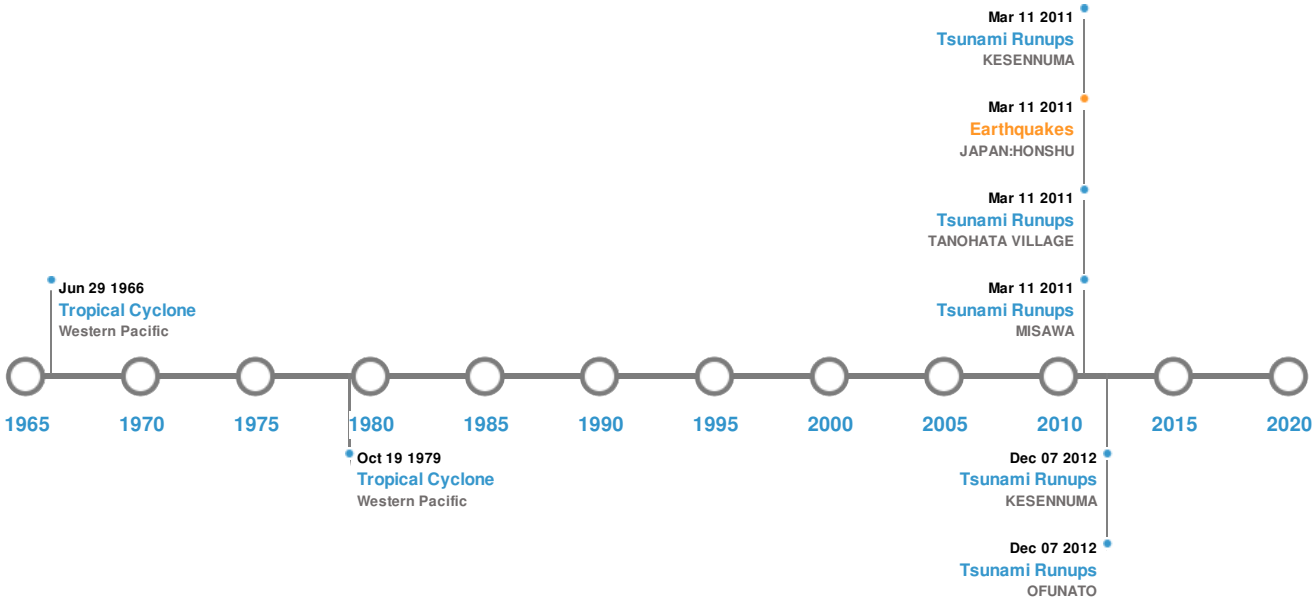
Historical Hazards:



Earthquakes:

5 Largest Earthquakes (Resulting in significant damage or deaths)

Event	Date (UTC)	Magnitude	Depth (Km)	Location	Lat/Long
	11-Mar-2011 05:46:24	9.00	29	JAPAN: HONSHU	38.3° N / 142.37° E
	05-Jun-1898 00:00:00	8.70	60	JAPAN: OFF EAST COAST HONSHU	38° N / 143° E
	13-Jul-0869 00:00:00	8.60	-	JAPAN: SANRIKU	38.5° N / 143.8° E
	02-Mar-1933 00:17:00	8.40	10	JAPAN: SANRIKU	39.1° N / 144.7° E
	19-Feb-1897 00:23:00	8.30	33	JAPAN: SANRIKU	38° N / 142° E

Source: Earthquakes

Tsunami Runups:

5 Largest Tsunami Runups

Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	07-Dec-2012 00:00:00	JAPAN	-	-	OFUNATO	- / -
	07-Dec-2012 00:00:00	JAPAN	-	-	KESENNUMA	- / -

Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	11-Mar-2011 05:54:24	JAPAN	-	1023	KESENNUMA	- / -
	11-Mar-2011 00:00:00	JAPAN	-	-	MISAWA	- / -
	11-Mar-2011 00:00:00	JAPAN	-	14	TANOHATA VILLAGE	- / -

Source: Tsunamis

Tropical Cyclones:

5 Largest Tropical Cyclones

Event	Name	Start/End Date(UTC)	Max Wind Speed (mph)	Min Pressure (mb)	Location	Lat/Long
	VIOLET	04-Oct-1961 06:00:00 - 11-Oct-1961 12:00:00	207	No Data	Western Pacific	30.93° N / 142.35° E
	IDA	20-Sep-1958 18:00:00 - 27-Sep-1958 18:00:00	201	No Data	Western Pacific	26.88° N / 140.85° E
	KIT	22-Jun-1966 06:00:00 - 29-Jun-1966 18:00:00	196	No Data	Western Pacific	26.45° N / 141.6° 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
	VERA	22-Sep-1959 00:00:00 - 28-Sep-1959 12:00:00	190	No Data	Western Pacific	28.93° N / 150.95° 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.

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