| Pacific Disaster Center<br>*Area Brief: General Executive Summary* | HONOLULU | WASH.D.C. | ZULU | NAIROBI | BANGKOK | TAIPEI |
|---|---|---|---|---|---|---|
| | 11:23:42<br>23 Nov 2017 | 16:23:42<br>23 Nov 2017 | 21:23:42<br>23 Nov 2017 | 00:23:42<br>24 Nov 2017 | 04:23:42<br>24 Nov 2017 | 05:23:42<br>24 Nov 2017 |

**Region Selected »** Lower Left Latitude/Longitude: 24.1448 N˚ , 127.375 E˚
Upper Right Latitude/Longitude: 30.1448 N˚ , 133.375 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

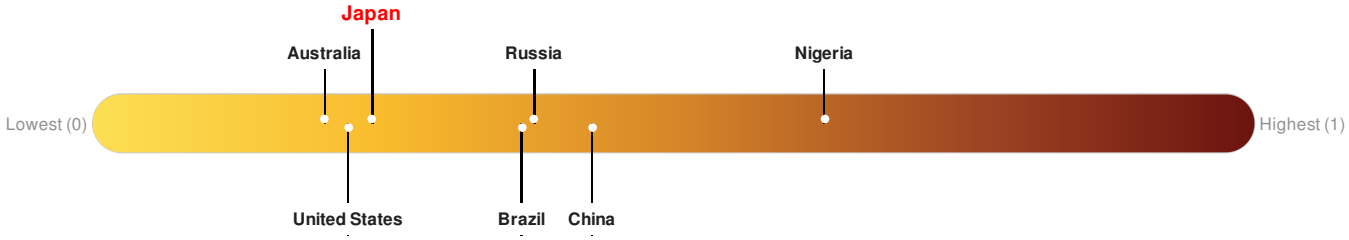
| Event | Severity | Date (UTC) | Magnitude | Depth (km) | Location | Lat/Long |
|---|---|---|---|---|---|---|
| | | 23-Nov-2017 18:21:33 | 5.5 | 10 | 161km SSE of Naze, Japan | 27.14° N / 130.38° E |

*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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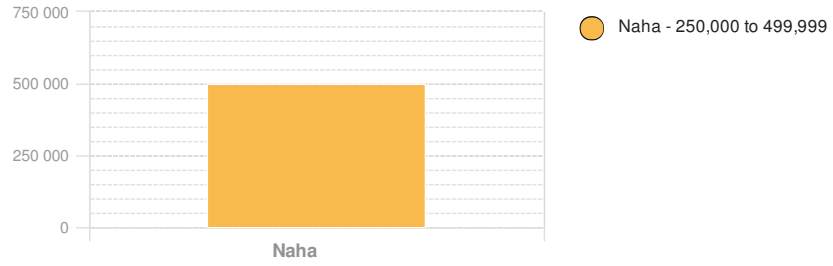
## Population Data:

**2011**

**Total:** 1, 369, 110
**Max Density:** 18, 010(ppl/km$^2$)

## Populated Areas:




*Source: iSciences*

### Risk & Vulnerability

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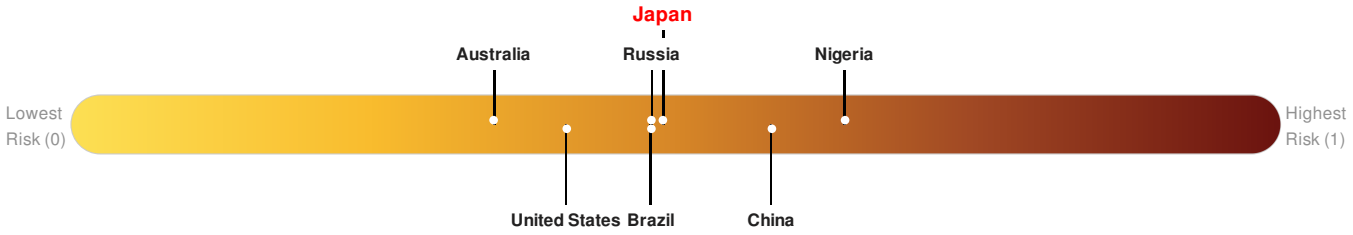
## Multi Hazard Risk Index:

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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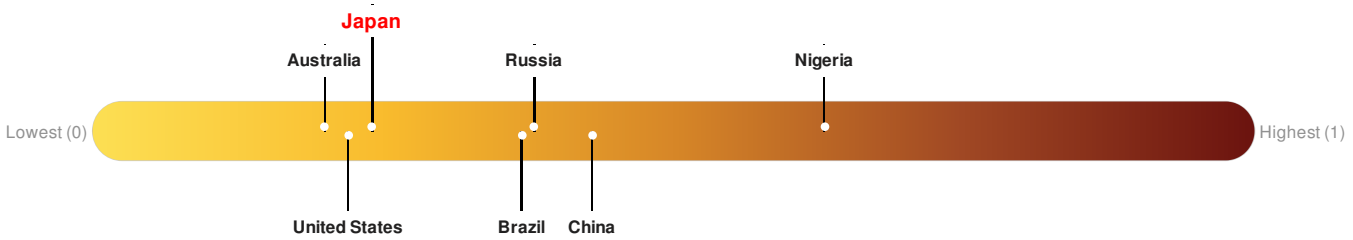


*Source: PDC*

## Historical Hazards

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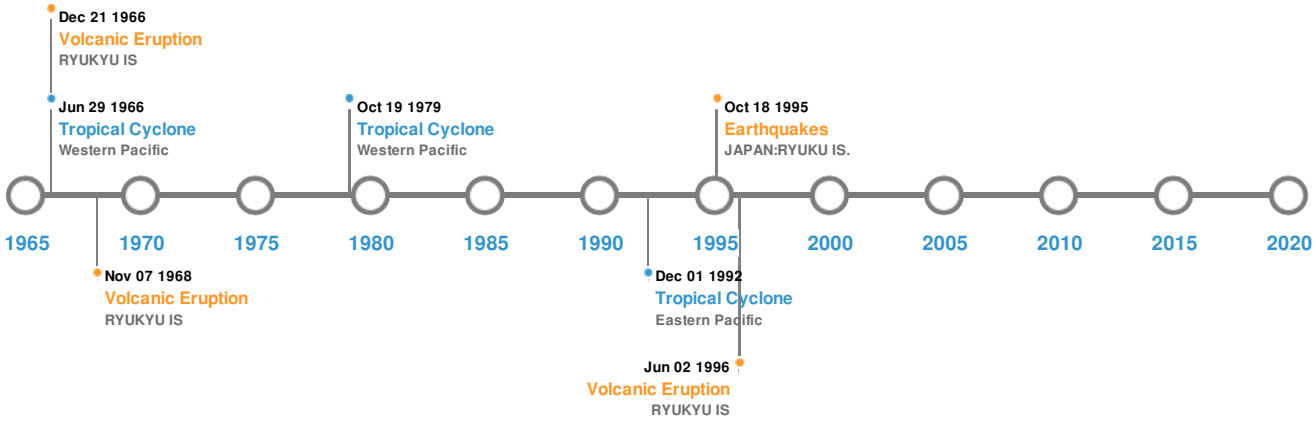
# Historical Hazards:




# Earthquakes:

## 5 Largest Earthquakes (Resulting in significant damage or deaths)

| Event | Date (UTC) | Magnitude | Depth (Km) | Location | Lat/Long |
|---|---|---|---|---|---|
| | 15-Jun-1911 00:14:00 | 8.70 | 160 | JAPAN: RYUKYU ISLANDS | 29° N / 129° E |
| | 01-Feb-1916 00:07:00 | 8.00 | 33 | JAPAN: DUDA | 29.5° N / 131.5° E |
| | 24-Aug-1904 00:20:00 | 7.90 | 25 | JAPAN: KYUSHU | 30° N / 130° E |
| | 24-Jun-1901 00:07:00 | 7.90 | 60 | JAPAN: RYUKYU ISLANDS | 27° N / 130° E |
| | 18-Oct-1995 00:10:00 | 7.10 | 28 | JAPAN: RYUKU IS. | 27.93° N / 130.18° E |

*Source: Earthquakes*

# Volcanic Eruptions:

## 5 Largest Volcanic Eruptions (Last updated in 2000)

| Event | Name | Date (UTC) | Volcanic Explosivity Index | Location | Lat/Long |
|---|---|---|---|---|---|
| | SUWANOSE-JIMA | 02-Oct-1889 00:00:00 | 4.00 | RYUKYU IS | 29.53° N / 129.72° E |
| | SUWANOSE-JIMA | 01-Jan-1877 00:00:00 | 4.00 | RYUKYU IS | 29.53° N / 129.72° E |

| Event | Name | Date (UTC) | Volcanic Explosivity Index | Location | Lat/Long |
|---|---|---|---|---|---|
| | SUWANOSE-JIMA | 07-Nov-1968 00:00:00 | 3.00 | RYUKYU IS | 29.53° N / 129.72° E |
| | SUWANOSE-JIMA | 21-Aug-1967 00:00:00 | 3.00 | RYUKYU IS | 29.53° N / 129.72° E |
| | SUWANOSE-JIMA | 02-Jun-1996 00:00:00 | 2.00 | RYUKYU IS | 29.53° N / 129.72° E |

*Source: Volcanoes*

## Tsunami Runups:

### 5 Largest Tsunami Runups

| Event | Date (UTC) | Country | Runup (m) | Deaths | Location | Lat/Long |
|---|---|---|---|---|---|---|
| | 13-May-1791 00:00:00 | JAPAN | 11 | - | RYUKYU ISLAND, NAHA | 26.22° N / 127.75° E |
| | 21-May-1792 00:00:00 | JAPAN | 7 | - | SAN-NOSAWA | 27.88° N / 128.94° E |
| | 22-May-1960 00:00:00 | JAPAN | 3.2 | - | FUTAMI-SUGINDA | 26.55° N / 128.03° E |
| | 22-May-1960 00:00:00 | JAPAN | 3 | - | OURA | 26.55° N / 128.05° E |
| | 22-May-1960 00:00:00 | JAPAN | 2.9 | - | FUTAMI-SUKU | 26.55° N / 128.03° 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 |
| | 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 |
| | GAY | 13-Nov-1992 12:00:00 - 01-Dec-1992 00:00:00 | 184 | No Data | Eastern Pacific | 16.84° N / 0° |
| | KAREN | 08-Nov-1962 00:00:00 - 18-Nov-1962 18:00:00 | 184 | No Data | Western Pacific | 21.69° N / 0° |

*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.