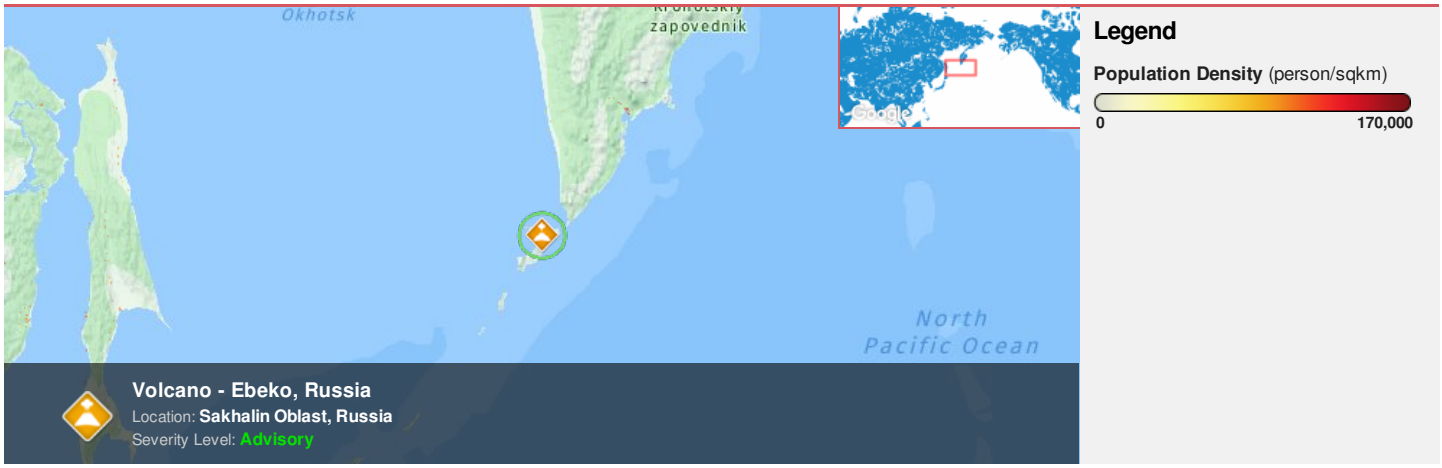
| Pacific Disaster Center<br>*Area Brief: General Executive Summary* | HONOLULU | WASH.D.C. | ZULU | NAIROBI | BANGKOK | KAMCHATKA |
|---|---|---|---|---|---|---|
| | 12:43:38<br>19 Nov 2018 | 17:43:38<br>19 Nov 2018 | 22:43:38<br>19 Nov 2018 | 01:43:38<br>20 Nov 2018 | 05:43:38<br>20 Nov 2018 | 10:43:38<br>20 Nov 2018 |

**Region Selected »** Lower Left Latitude/Longitude: 47.686 N˚ , 153.014 E˚
Upper Right Latitude/Longitude: 53.686 N˚ , 159.014 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:

### Active Volcanoes

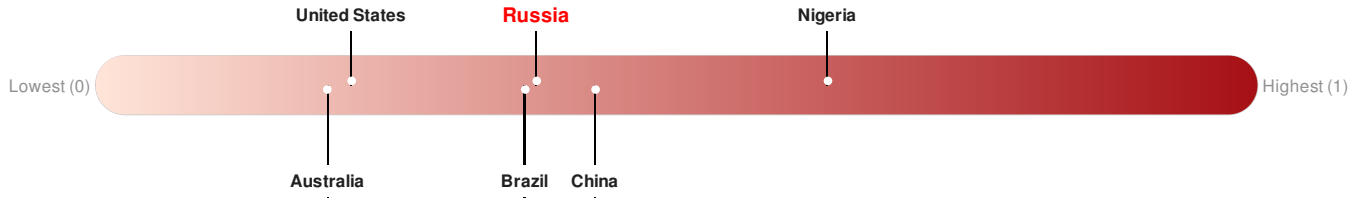
| Event | Severity | Last Updated (UTC) | Name | Region | Primary Observatory | Activity | More Information | Lat/Long |
|---|---|---|---|---|---|---|---|---|
| | | 05-Nov-2018 22:37:07 | Volcano - Ebeko, Russia | - | - | - | - | 50.69° N / 156.01° E |

*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.

**Russia** ranks **99** out of **164** countries assessed for Lack of Resilience. Russia is less resilient than 40% of countries assessed. This indicates that Russia has low susceptibility to negative impacts, and is better able to respond to and recover from a disruption to normal function.




*Source: PDC*

## Regional Overview

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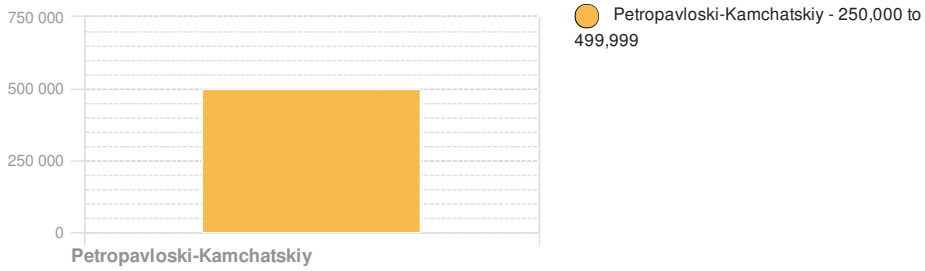
## Population Data:

## Populated Areas:

## 2011

**Total:** 287, 575
**Max Density:** 17, 879(ppl/km$^2$)




*Source: iSciences*

## Risk & Vulnerability

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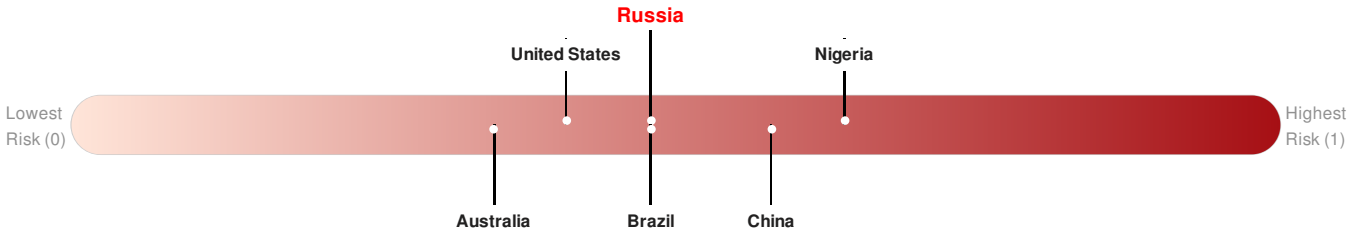
## Multi Hazard Risk Index:

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

**Russia** ranks **54** out of **164** countries assessed for Multi Hazard Risk. Russia has a Multi Hazard Risk higher than 46% of countries assessed. This indicates that Russia has a medium likelihood of loss and/or disruption to normal function if exposed to a hazard.

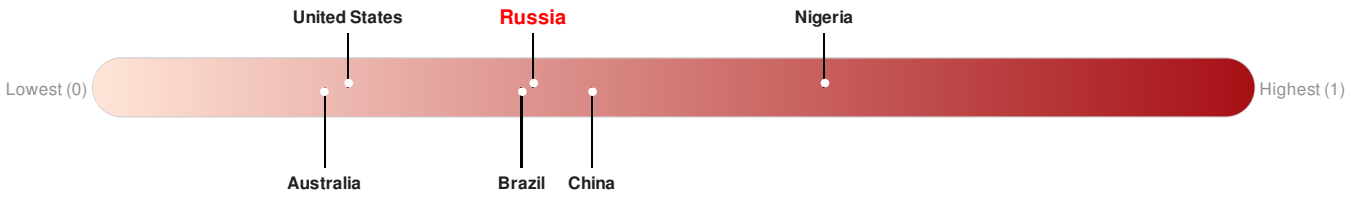



*Source: PDC*

## 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.

**Russia** ranks **99** out of **164** countries assessed for Lack of Resilience. Russia is less resilient than 40% of countries assessed. This indicates that Russia has low susceptibility to negative impacts, and is better able to respond to and recover from a disruption to normal function.




*Source: PDC*

## Historical Hazards

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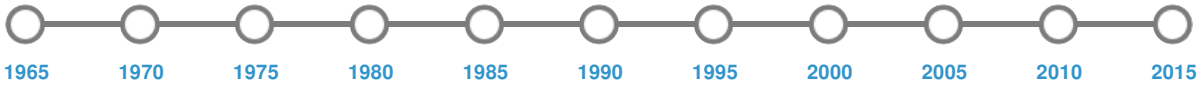
# Historical Hazards:




# Earthquakes:

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

| Event | Date (UTC) | Magnitude | Depth (Km) | Location | Lat/Long |
|---|---|---|---|---|---|
| | 17-May-1841 00:21:00 | 8.40 | 30 | RUSSIA: OFF KAMCHATKA | 52° N / 158° E |
| | 25-Jun-1904 00:14:00 | 8.30 | 30 | RUSSIA: OFF KAMCHATKA | 52° N / 159° E |
| | 25-Jun-1904 00:21:00 | 8.10 | 30 | RUSSIA: OFF KAMCHATKA | 52° N / 159° E |
| | 27-Jun-1904 00:00:00 | 7.90 | 60 | RUSSIA: OFF KAMCHATKA | 52° N / 159° E |
| | 23-Nov-1899 00:09:00 | 7.90 | 20 | RUSSIA: KAMCHATKA PENINSULA | 53° N / 159° E |

*Source: Earthquakes*

# Volcanic Eruptions:

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

| Event | Name | Date (UTC) | Volcanic Explosivity Index | Location | Lat/Long |
|---|---|---|---|---|---|
| | KSUDACH | 28-Mar-1907 00:00:00 | 5.00 | KAMCHATKA | 51.8° N / 157.53° E |
| | SARYCHEV PEAK | 09-Nov-1946 00:00:00 | 4.00 | KURIL IS | 48.09° N / 153.2° E |

| Event | Name | Date (UTC) | Volcanic Explosivity Index | Location | Lat/Long |
|---|---|---|---|---|---|
| | RAIKOKE | 15-Feb-1924 00:00:00 | 4.00 | KURIL IS | 48.25° N / 153.25° E |
| | SINARKA | 01-Jan-1872 00:00:00 | 4.00 | KURIL IS | 48.87° N / 154.18° E |
| | CHIKURACHKI-TATARINO | 01-Dec-1853 00:00:00 | 4.00 | KURIL IS | 50.32° N / 155.46° E |

*Source: Volcanoes*

## Tsunami Runups:

### 5 Largest Tsunami Runups

| Event | Date (UTC) | Country | Runup (m) | Deaths | Location | Lat/Long |
|---|---|---|---|---|---|---|
| | 17-Oct-1737 00:00:00 | RUSSIA | 32 | 3 | AVACHA, KAMCHATKA | 52.97° N / 158.5° E |
| | 16-Oct-1737 00:00:00 | RUSSIA | 32 | - | LOPATKA, KAMCHATKA | 50.87° N / 156.67° E |
| | 17-Oct-1737 00:00:00 | RUSSIA | 27 | - | SHUMSHU ISLAND, KURILSKIYE | 50.75° N / 156.33° E |
| | 04-Nov-1952 00:00:00 | RUSSIA | 18 | - | PARAMUSHIR, KURILSKIYE | 50.42° N / 155.83° E |
| | 04-Nov-1952 00:00:00 | RUSSIA | 15 | - | KHODUTKA, KAMCHATKA | 51.8° N / 158° 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 |
|---|---|---|---|---|---|---|
| | LOUISE | 21-Sep-1955 12:00:00 - 02-Oct-1955 00:00:00 | 173 | No Data | Western Pacific | 35.37° N / 150.15° E |
| | HESTER | 04-Oct-1957 00:00:00 - 11-Oct-1957 00:00:00 | 150 | No Data | Western Pacific | 28.87° N / 151.75° E |
| | ALICE | 14-Jul-1958 18:00:00 - 24-Jul-1958 12:00:00 | 150 | No Data | Western Pacific | 30.51° N / 144.5° E |
| | GEORGIA | 16-Apr-1962 18:00:00 - 26-Apr-1962 18:00:00 | 150 | No Data | Western Pacific | 29.31° N / 149.4° E |
| | SHIRLEY | 04-Sep-1965 06:00:00 - 12-Sep-1965 00:00:00 | 150 | No Data | Western Pacific | 34.06° N / 143.75° 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.