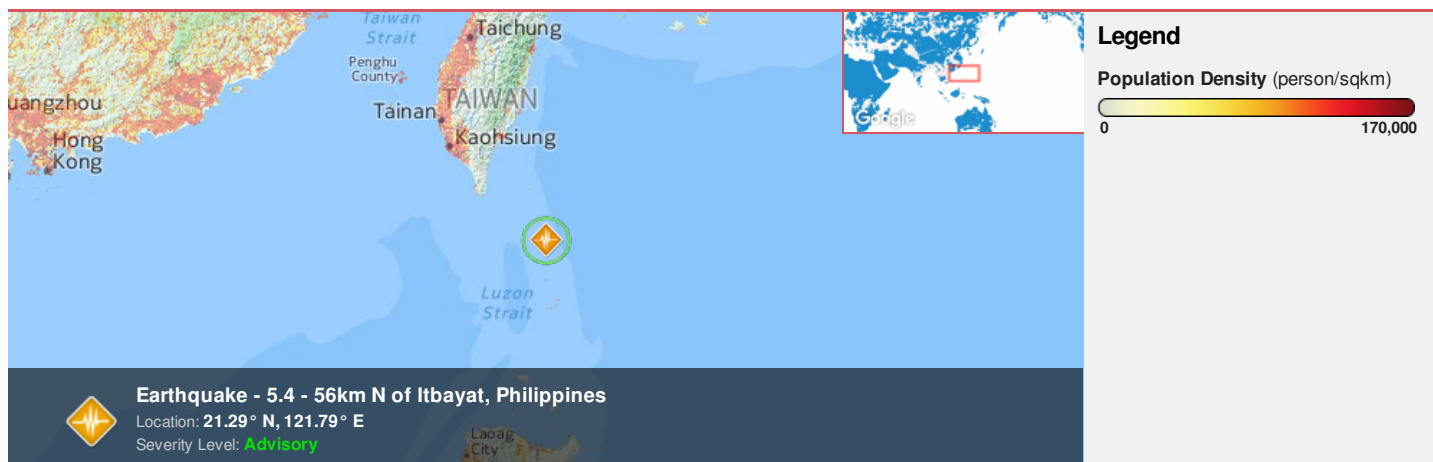




Region Selected » Lower Left Latitude/Longitude: 18.2934 N°, 118.7923 E°
 Upper Right Latitude/Longitude: 24.2934 N°, 124.7923 E°



Earthquake - 5.4 - 56km N of Itbayat, Philippines
 Location: 21.29° N, 121.79° E
 Severity Level: **Advisory**

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:

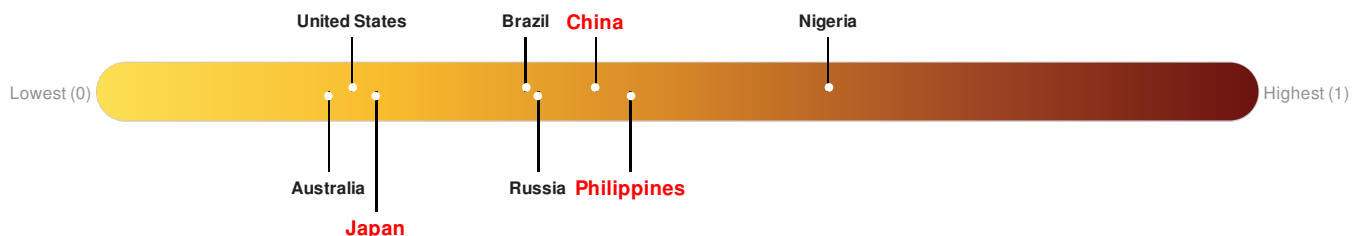
Recent Earthquakes

| Event | Severity | Date (UTC) | Magnitude | Depth (km) | Location | Lat/Long |
|-------|----------|----------------------|-----------|------------|--------------------------------|----------------------|
| | | 30-Apr-2017 02:17:14 | 5.4 | 99.59 | 56km N of Itbayat, Philippines | 21.29° N / 121.79° 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. **China** ranks **82** out of **165** on the Lack of Resilience index with a score of 0.43. **Japan** ranks **140** out of **165** on the Lack of Resilience index with a score of 0.24. **Philippines** ranks **64** out of **165** on the Lack of Resilience index with a score of 0.46.



China ranks **82** 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 Environmental Capacity, Governance and Marginalization.

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.

Philippines ranks **64** 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, Environmental Capacity and Governance.

Source: [PDC](#)

Regional Overview

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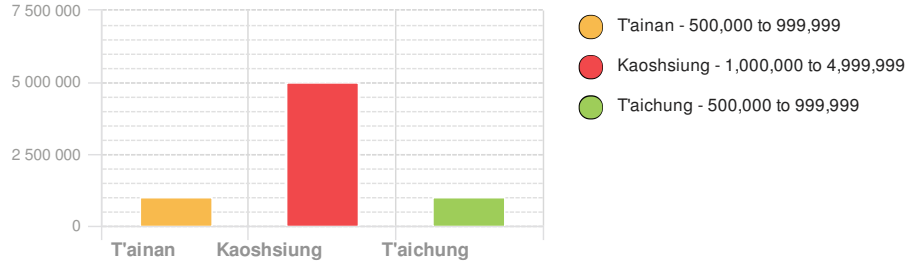
Population Data:

2011

Total: 12,460,545

Max Density: 61,441 (ppl/km²)

Populated Areas:



Source: [iSciences](#)

Risk & Vulnerability

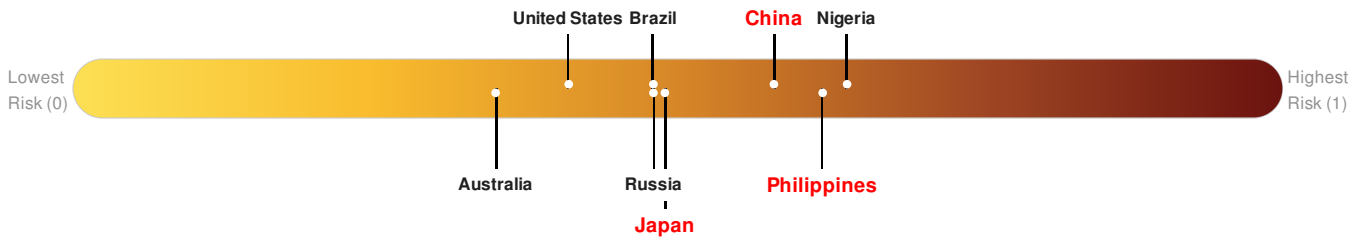
Additional information and analysis is available for Disaster Management Professionals. If you are a Disaster Management Professional and would like to apply for access, please [register here](#). Validation of registration information may take 24-48 hours.

Multi Hazard Risk Index:

China ranks **32** out of **165** on the Multi-Hazard Risk Index with a score of 0.58. China is estimated to have relatively very high overall exposure, low vulnerability, and medium coping capacity.

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.

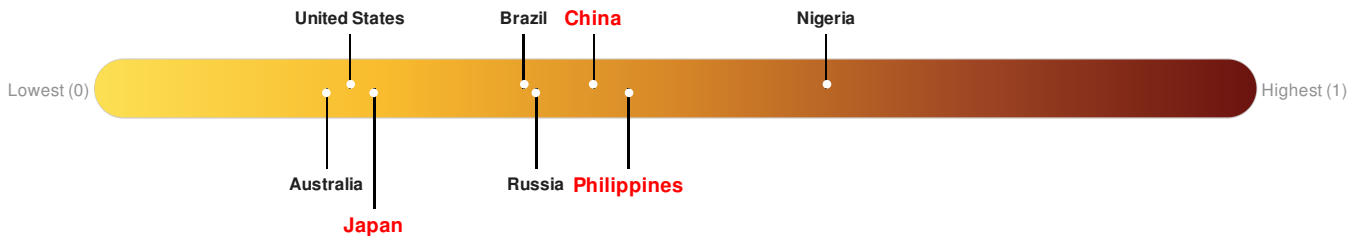
Philippines ranks **16** out of **165** on the Multi-Hazard Risk Index with a score of 0.62. Philippines is estimated to have relatively very high overall exposure, medium vulnerability, and medium coping capacity.



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. **China** ranks **82** out of **165** on the Lack of Resilience index with a score of 0.43. **Japan** ranks **140** out of **165** on the Lack of Resilience index with a score of 0.24. **Philippines** ranks **64** out of **165** on the Lack of Resilience index with a score of 0.46.



China ranks **82** 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 Environmental Capacity, Governance and Marginalization.

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.

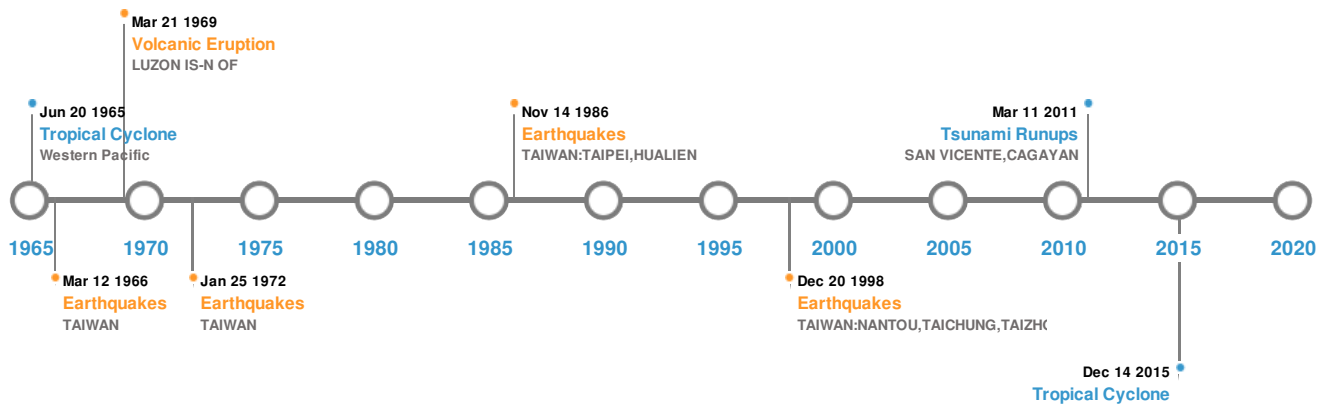
Philippines ranks **64** out of **165** on the Lack of Resilience Index. Based on the sub-component scores related to Vulnerability and Coping Capacity, the three thematic areas with the weakest relative scores are Recent Disaster Impacts, Environmental Capacity and Governance.

Source: [PDC](#)

Historical Hazards

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.

Historical Hazards:



Earthquakes:

5 Largest Earthquakes (Resulting in significant damage or deaths)


| Event | Date (UTC) | Magnitude | Depth (Km) | Location | Lat/Long |
|---|----------------------|-----------|------------|------------------------------------|----------------------|
|  | 12-Mar-1966 00:16:00 | 8.00 | 48 | TAIWAN | 24.1° N / 122.6° E |
|  | 05-Jun-1920 00:04:00 | 8.00 | - | TAIWAN | 23.5° N / 122.7° E |
|  | 14-Nov-1986 00:21:00 | 7.80 | 34 | TAIWAN: TAIPEI, HUALIEN | 23.9° N / 121.57° E |
|  | 20-Sep-1999 00:17:00 | 7.70 | 33 | TAIWAN: NANTOU, TAICHUNG, TAIZHONG | 23.77° N / 120.98° E |
|  | 25-Jan-1972 00:03:00 | 7.70 | 33 | TAIWAN | 23° N / 122.2° E |

Source: [Earthquakes](#)

Volcanic Eruptions:

5 Largest Volcanic Eruptions (Last updated in 2000)

| Event | Name | Date (UTC) | Volcanic Explosivity Index | Location | Lat/Long |
|---|---------------|----------------------|----------------------------|----------------|---------------------|
|  | SMITH VOLCANO | 01-Jan-1831 00:00:00 | 3.00 | LUZON IS. P.I. | 19.53° N / 121.9° E |
| | SMITH VOLCANO | 01-Jan-1652 00:00:00 | 3.00 | LUZON IS. P.I. | 19.53° N / 121.9° E |

| Event | Name | Date (UTC) | Volcanic Explosivity Index | Location | Lat/Long |
|---|----------------------|----------------------|----------------------------|---------------|----------------------|
|  | DIDICAS | 21-Mar-1969 00:00:00 | 2.00 | LUZON IS-N OF | 19.08° N / 122.2° E |
|  | DIDICAS | 16-Mar-1952 00:00:00 | 2.00 | LUZON IS-N OF | 19.08° N / 122.2° E |
|  | CAMIGUIN DE BABUYANE | 07-Aug-1928 00:00:00 | 2.00 | LUZON IS-N OF | 18.83° N / 121.86° E |

Source: [Volcanoes](#)

Tsunami Runups:






5 Largest Tsunami Runups

| Event | Date (UTC) | Country | Runup (m) | Deaths | Location | Lat/Long |
|---|----------------------|-------------|-----------|--------|----------------------|----------------------|
|  | 09-Aug-1792 00:00:00 | TAIWAN | 10 | - | LUERMEN, TAINAN CITY | 22.97° N / 120.17° E |
|  | 11-Mar-2011 00:00:00 | PHILIPPINES | 0.6 | - | SAN VICENTE, CAGAYAN | - / - |
|  | 22-Oct-1951 00:00:00 | TAIWAN | 0.3 | - | HUALIEN | 23.97° N / 121.62° E |
|  | 13-Feb-1963 00:00:00 | TAIWAN | 0.2 | - | HUALIEN | 23.97° N / 121.62° E |
|  | 22-May-1960 22:48:00 | TAIWAN | 0.2 | - | PENG-HU | 23.57° N / 119.55° 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 |
|---|---------|---|----------------------|-------------------|-----------------|----------------------|
|  | SALLY | 03-Sep-1964 06:00:00 - 11-Sep-1964 12:00:00 | 196 | No Data | Western Pacific | 18.13° N / 133.15° E |
|  | JOAN | 25-Aug-1959 12:00:00 - 31-Aug-1959 12:00:00 | 196 | No Data | Western Pacific | 22.51° N / 130° E |
|  | SIXTEEN | 10-Sep-2016 03:00:00 - 14-Sep-2016 15:00:00 | 190 | - | - | 21.81° N / 121.72° E |
|  | GRACE | 29-Aug-1958 18:00:00 - 05-Sep-1958 06:00:00 | 190 | No Data | Western Pacific | 22.63° N / 131.45° 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.

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