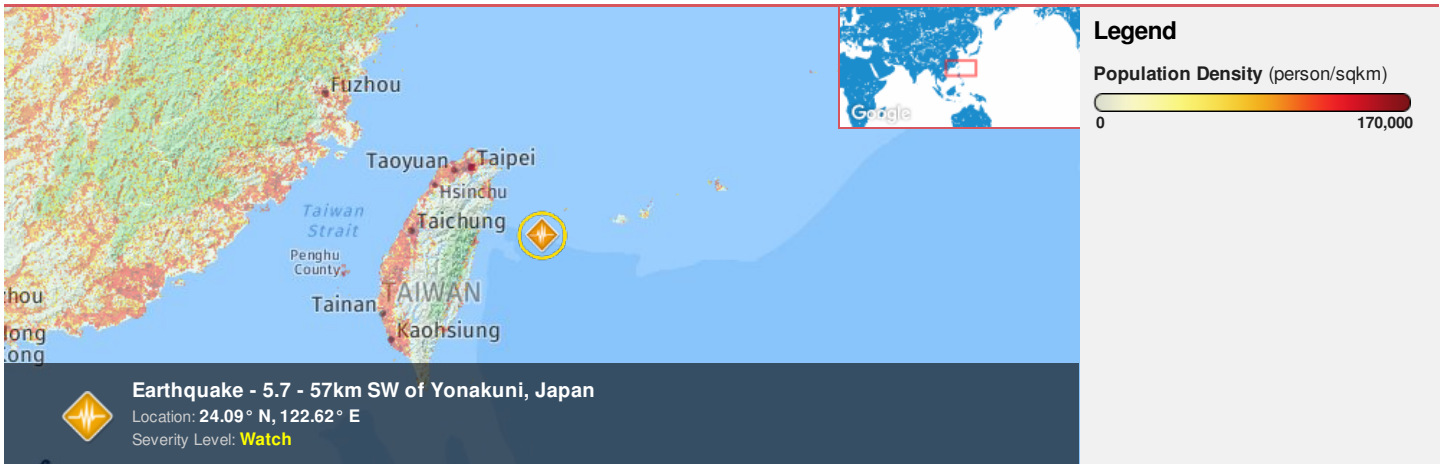
Pacific Disaster Center *Area Brief: General Executive Summary*	HONOLULU 18:55:56 22 Oct 2018	WASH.D.C. 00:55:56 23 Oct 2018	ZULU 04:55:56 23 Oct 2018	NAIROBI 07:55:56 23 Oct 2018	BANGKOK 11:55:56 23 Oct 2018	TAIPEI 12:55:56 23 Oct 2018

Region Selected » Lower Left Latitude/Longitude: 21.0908 N˚ , 119.6153 E˚
Upper Right Latitude/Longitude: 27.0908 N˚ , 125.6153 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-Oct-2018 04:53:50	5.7	34.19	57km SW of Yonakuni, Japan	24.09° N / 122.62° E

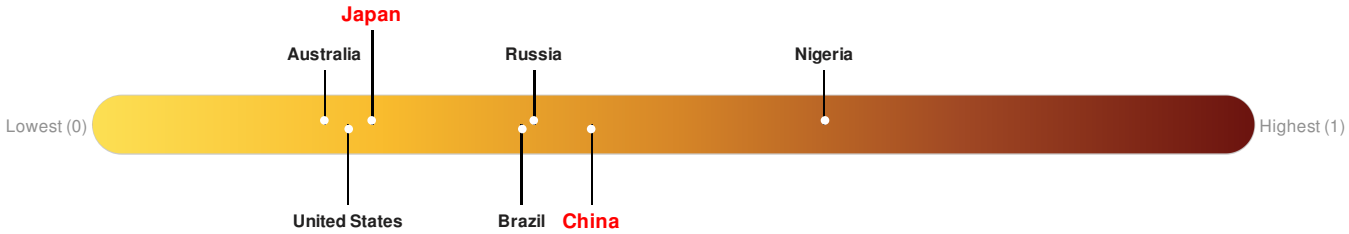
Source: PDC

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.

China ranks **82** out of **164** countries assessed for Lack of Resilience. China is less resilient than 50% of countries assessed. This indicates that China has medium susceptibility to negative impacts, and is less able to respond to and recover from a disruption to normal function.

Japan ranks **140** out of **164** countries assessed for Lack of Resilience. Japan is less resilient than 15% of countries assessed. This indicates that Japan 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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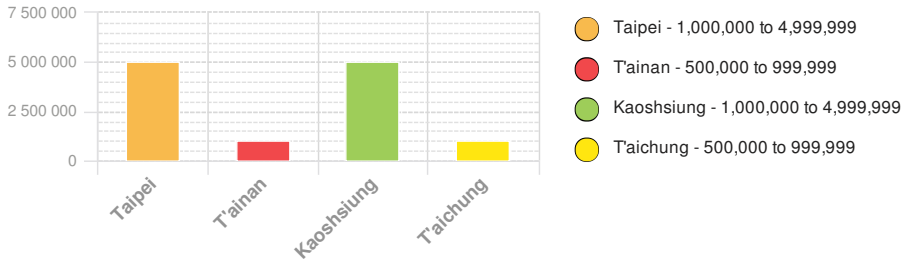
Population Data:

2011

Total: 24, 614, 564
Max Density: 64, 084(ppl/km^2)

Populated Areas:



Source: iSciences

Risk & Vulnerability

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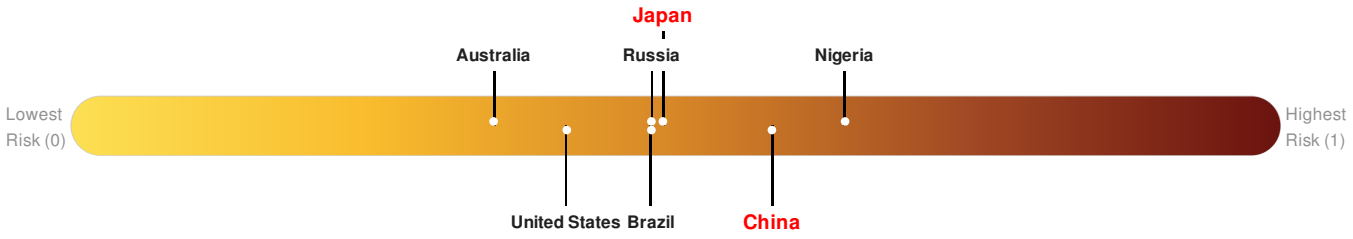
Multi Hazard Risk Index:

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

China ranks **19** out of **164** countries assessed for Multi Hazard Risk. China has a Multi Hazard Risk higher than 81% of countries assessed. This indicates that China has a medium likelihood of loss and/or disruption to normal function if exposed to a hazard.

Japan ranks **49** out of **164** countries assessed for Multi Hazard Risk. Japan has a Multi Hazard Risk higher than 51% of countries assessed. This indicates that Japan has a medium likelihood of loss and/or disruption to normal function if exposed to a hazard.



Source: PDC

Lack of Resilience Index:

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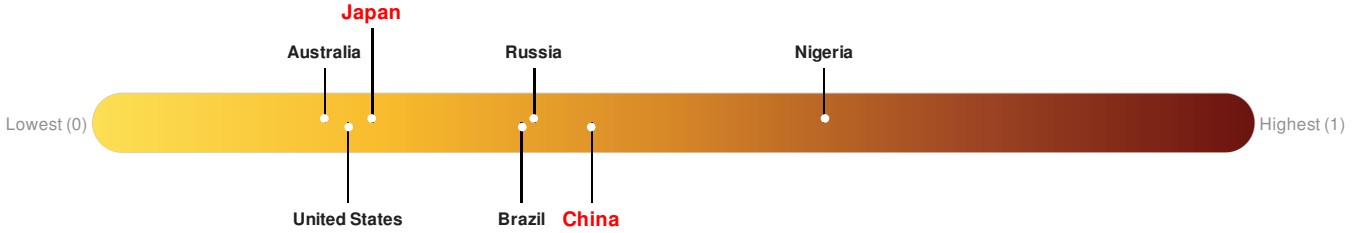
Japan ranks **140** out of **164** countries assessed for Lack of Resilience. Japan is less resilient than 15% of countries assessed. This indicates that Japan has low susceptibility to negative impacts, and is better able to respond to and recover from a disruption to normal function.



Source: PDC

Historical Hazards

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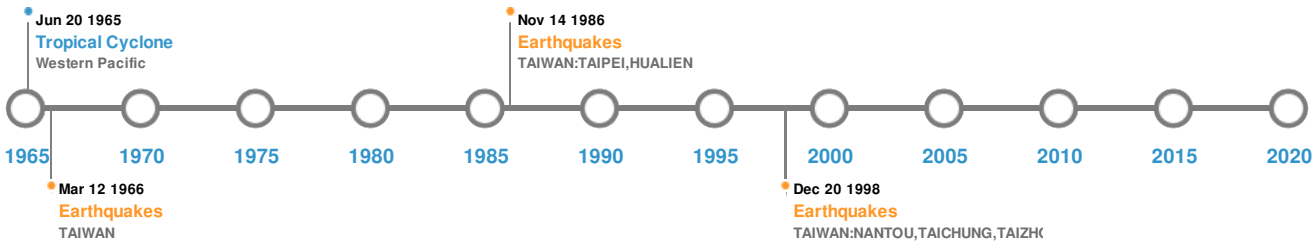
Historical Hazards:



Earthquakes:

5 Largest Earthquakes (Resulting in significant damage or deaths)

Event	Date (UTC)	Magnitude	Depth (Km)	Location	Lat/Long
	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
	12-Apr-1910 00:00:00	7.80	200	TAIWAN	25.5° N / 122.5° E
	20-Sep-1999 00:17:00	7.70	33	TAIWAN: NANTOU, TAICHUNG, TAIZHONG	23.77° N / 120.98° E

Source: Earthquakes

Volcanic Eruptions:

5 Largest Volcanic Eruptions (Last updated in 2000)

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	IRIOMOTE-JIMA	31-Oct-1925 00:00:00	2.00	RYUKYU IS	24.56° N / 124° E
	UNNAMED	15-Jan-1854 00:00:00	2.00	TAIWAN-E OF	21.83° N / 121.18° E

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	UNNAMED	29-Oct-1853 00:00:00	2.00	TAIWAN-E OF	24° N / 121.83° E
	ZENGYU	18-Apr-1916 00:00:00	0.00	TAIWAN-N OF	26.18° N / 122.46° E

Source: Volcanoes

Tsunami Runups:

5 Largest Tsunami Runups

Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	24-Apr-1771 00:00:00	JAPAN	85.4	13486	MIYARA, ISHIGAKI ISLAND	24.35° N / 124.22° E
	24-Apr-1771 00:00:00	JAPAN	12	-	MIYAKO ISLAND	24.79° N / 125.26° E
	09-Aug-1792 00:00:00	TAIWAN	10	-	LUERMEN, TAINAN CITY	22.97° N / 120.17° E
	07-Dec-1944 00:00:00	JAPAN	6	-	NAKURA	24.38° N / 124.15° E
	07-Dec-1944 00:00:00	JAPAN	2.5	-	GOZA	24.3° N / 123.82° 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
	JOAN	25-Aug-1959 12:00:00 - 31-Aug-1959 12:00:00	196	No Data	Western Pacific	22.51° N / 130° 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
	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
	WANDA	27-Jul-1956 06:00:00 - 03-Aug-1956 12:00:00	184	No Data	Western Pacific	27.06° N / 128.3° 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.