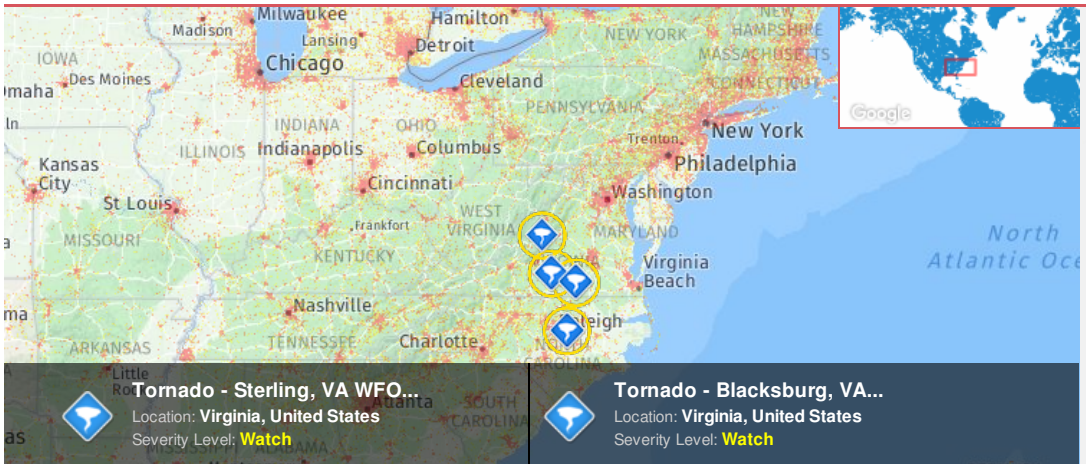
Pacific Disaster Center *Area Brief: General Executive Summary*	HONOLULU 16:15:28 23 Oct 2017	WASH.D.C. 22:15:28 23 Oct 2017	TORONTO 22:15:28 23 Oct 2017	ZULU 02:15:28 24 Oct 2017	NAIROBI 05:15:28 24 Oct 2017	BANGKOK 09:15:28 24 Oct 2017

Region Selected » Lower Left Latitude/Longitude: 35.043 N˚ , -82.0515 E˚
Upper Right Latitude/Longitude: 41.043 N˚ , -76.0515 E˚



Legend

Population Density (person/sqkm)

0 — 170,000

Estimated Wind Speed (mph)

≥ 150 | 74-149 | 39-73 | <39

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:

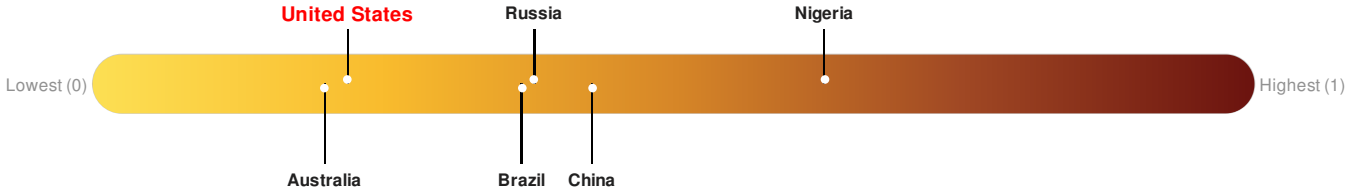
Active Tornado

Event	Severity	Date (UTC)	Name	Lat/Long
		23-Oct-2017 21:53:22	Tornado - Raleigh, NC WFO Region, US	35.72° N / 78.29° W
		23-Oct-2017 21:45:27	Tornado - Wakefield, VA WFO Region, US	36.9° N / 78.01° W
		23-Oct-2017 21:43:28	Tornado - Blacksburg, VA WFO Region, US	37.12° N / 78.75° W
		23-Oct-2017 21:43:27	Tornado - Sterling, VA WFO Region, US	38.04° N / 79.05° W

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. **United States** ranks **149** out of **165** on the Lack of Resilience index with a score of 0.22.



United States ranks **149** 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 Stress and Economic Constraints.

Source: PDC

Regional Overview

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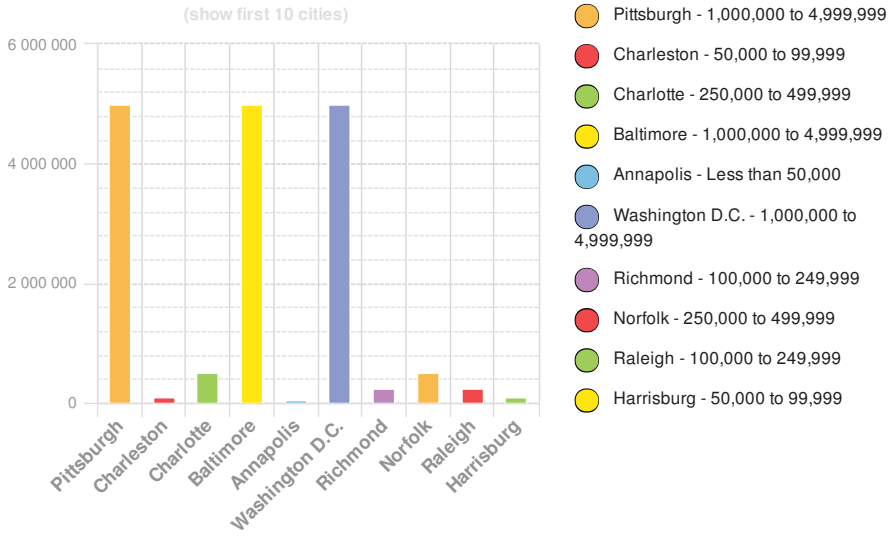
Population Data:

2011

Total: 29, 033, 890
Max Density: 37, 151 (ppl/km^2)

Source: iSciences

Populated Areas:



Risk & Vulnerability

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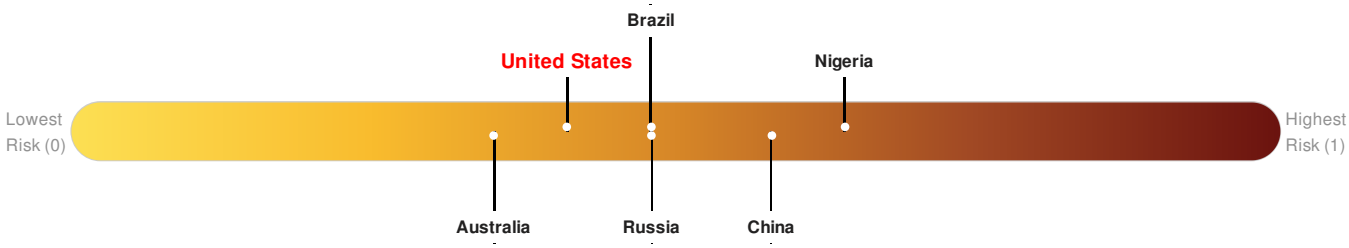
Multi Hazard Risk Index:

United States ranks **121** out of **165** on the Multi-Hazard Risk Index with a score of 0.41. United States is estimated to have relatively high overall exposure, low vulnerability, and very high coping capacity.



Source: PDC

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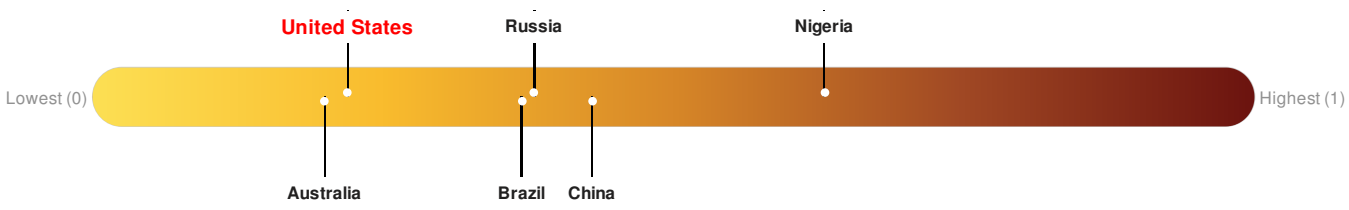

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Source: PDC

Historical Hazards

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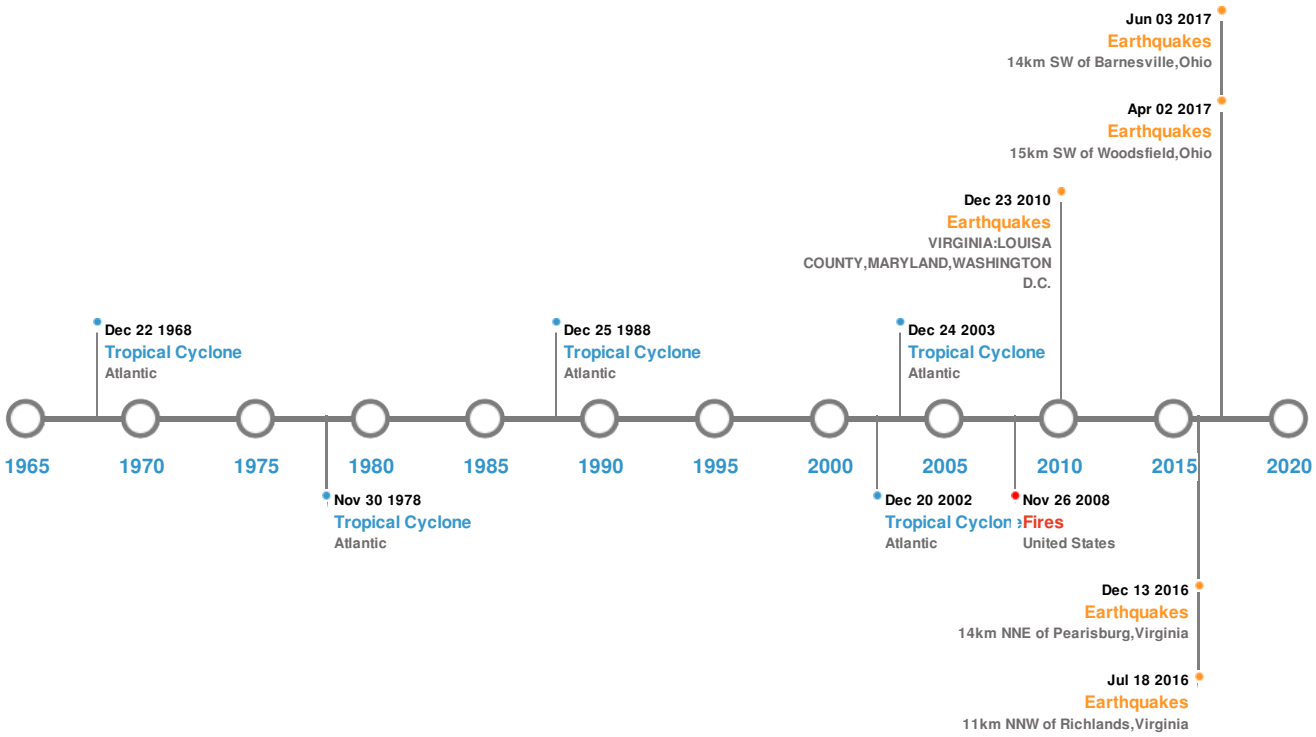
Historical Hazards:



Earthquakes:

5 Largest Earthquakes (Resulting in significant damage or deaths)

Event	Date (UTC)	Magnitude	Depth (Km)	Location	Lat/Long
	23-Aug-2011 17:51:04	5.90	6	VIRGINIA: LOUISA COUNTY, MARYLAND, WASHINGTON D.C.	37.94° N / 77.93° W
	03-Jun-2017 03:08:40	3.40	5	14km SW of Barnesville, Ohio	39.91° N / 81.31° W
	18-Jul-2016 09:53:39	3.40	-	11km NNW of Richlands, Virginia	37.19° N / 81.83° W
	13-Sep-2017 17:33:10	3.20	17.77	14km NNE of Pearisburg, Virginia	37.47° N / 80.7° W
	02-Apr-2017 11:58:12	3.00	5.58	15km SW of Woodsfield, Ohio	39.66° N / 81.24° W

Source: Earthquakes

Wildfires:

5 Largest Wildfires

Event	Start/End Date(UTC)	Size (sq. km.)	Location	Mean Lat/Long
	03-Jun-2008 03:05:00 - 26-Nov-2008 18:25:00	19.20	United States	35.69° N / 76.38° W

Source: Wildfires

Tropical Cyclones:

5 Largest Tropical Cyclones

Event	Name	Start/End Date(UTC)	Max Wind Speed (mph)	Min Pressure (mb)	Location	Lat/Long
	CAMILLE	15-Aug-1969 00:00:00 - 22-Aug-1969 12:00:00	190	No Data	Atlantic	30.72° N / 72.05° W
	DAVID	25-Aug-1979 18:00:00 - 08-Sep-1979 00:00:00	173	924	Atlantic	31.61° N / 58.65° W
	IVAN	03-Sep-2004 00:00:00 - 24-Sep-2004 06:00:00	167	910	Atlantic	23.19° N / 60.9° W
	ISABEL	06-Sep-2003 06:00:00 - 20-Sep-2003 00:00:00	167	915	Atlantic	30.24° N / 56.2° W
	HUGO	10-Sep-1989 18:00:00 - 25-Sep-1989 12:00:00	161	918	Atlantic	34.83° N / 50.9° W

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.