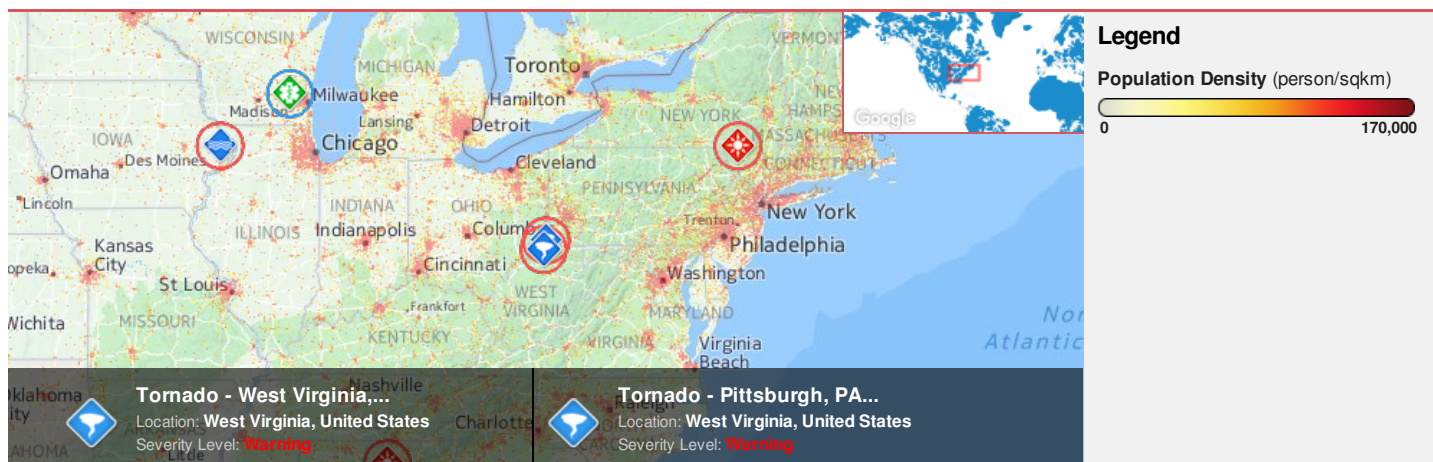




**Region Selected** » Lower Left Latitude/Longitude: 36.8494 N° , -83.6214 E°  
 Upper Right Latitude/Longitude: 42.8494 N° , -77.6214 E°



**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:**

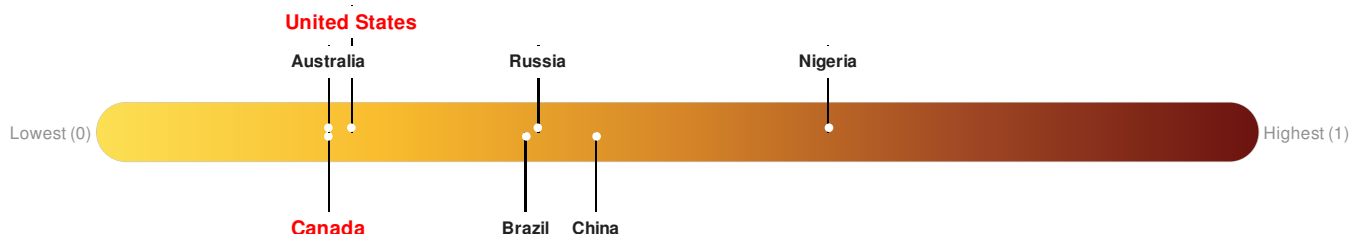
**Active Tornado**

| Event | Severity | Date (UTC)           | Name                                    | Lat/Long            |
|-------|----------|----------------------|---|---------------------|
|       |          | 29-Sep-2016 18:59:29 | Tornado - Pittsburgh, PA WFO Region, US | 39.85° N / 80.62° W |
|       |          | 29-Sep-2016 18:19:27 | Tornado - West Virginia, United States  | 39.64° N / 80.7° 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. **Canada** ranks 154 out of 165 on the Lack of Resilience index with a score of 0.2. **United States** ranks 149 out of 165 on the Lack of Resilience index with a score of 0.22.



**Canada** ranks 154 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, Population Pressures and Economic Constraints.

**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**

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.

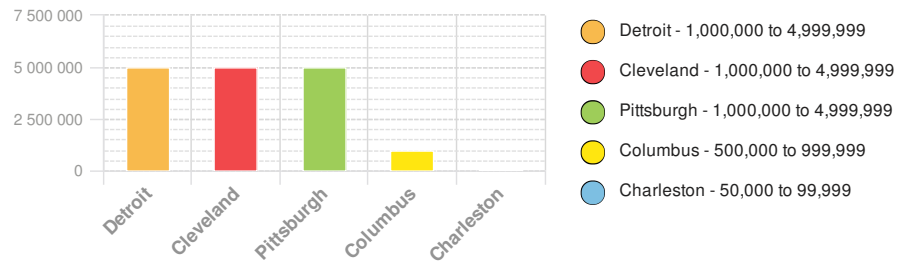
## Population Data:

2011

Total: 22,215,646

Max Density: 37,151 (ppl/km<sup>2</sup>)

## Populated Areas:



Source: [iSciences](#)

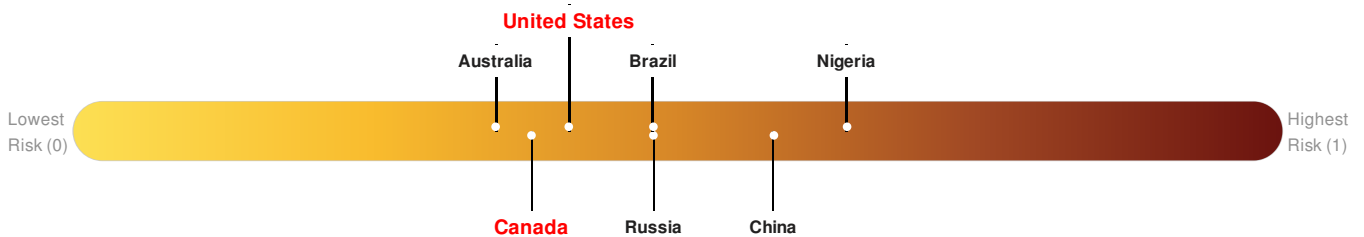
## Risk & Vulnerability

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:

**Canada** ranks 132 out of 165 on the Multi-Hazard Risk Index with a score of 0.38. Canada is estimated to have relatively high overall exposure, low vulnerability, and very high coping capacity.

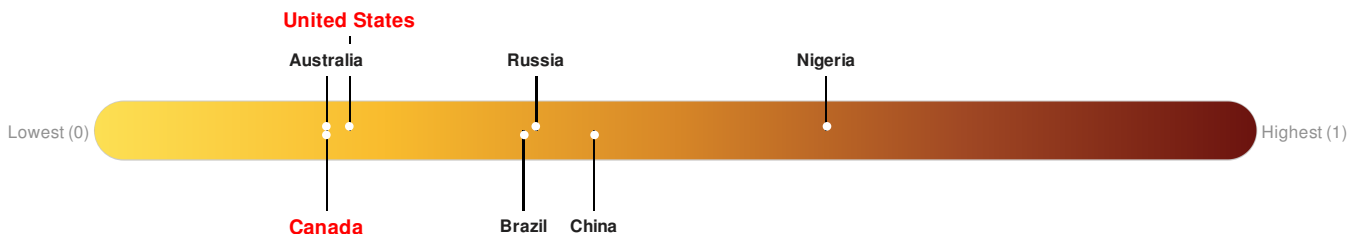
**United States** ranks 121 out of 165 on the Multi-Hazard Risk Index with a score of 0.41. United States is estimated to have relatively high overall exposure, low vulnerability, and very high coping capacity.



Source: [PDC](#)

## 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. **Canada** ranks 154 out of 165 on the Lack of Resilience index with a score of 0.2. **United States** ranks 149 out of 165 on the Lack of Resilience index with a score of 0.22.



**Canada** ranks 154 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, Population Pressures and Economic Constraints.

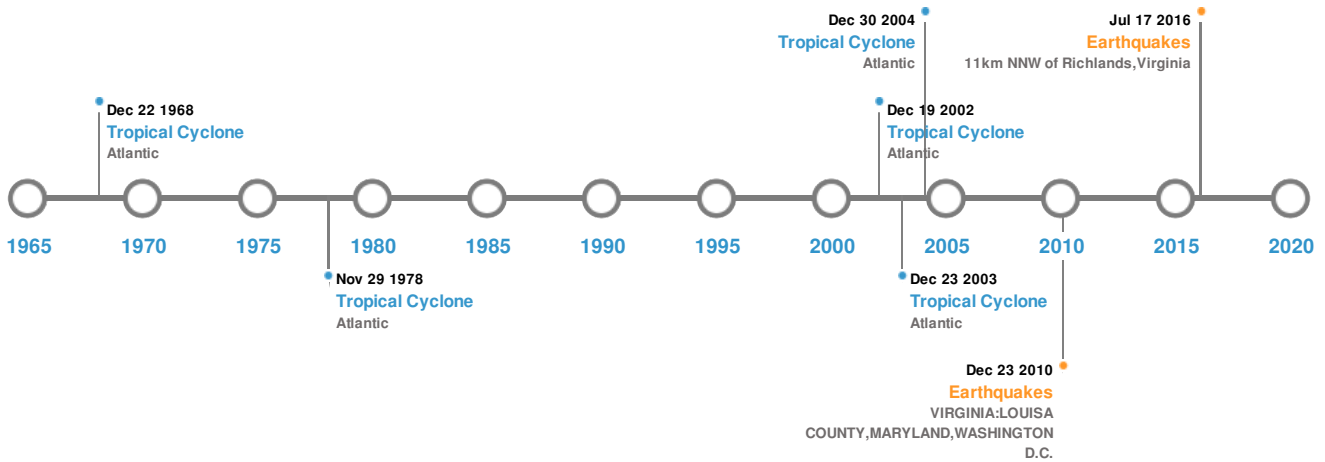
**United States** ranks 149 out of 165 on the Lack of Resilience Index. Based on the sub-component scores related to Vulnerability and Coping Capacity, the three thematic areas with the weakest relative scores are Recent Disaster Impacts, Environmental Stress and Economic Constraints.

Source: [PDC](#)

## 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            |
|---|----------------------|-----------|------------|--|---------------------|
|  | 23-Aug-2011 17:51:04 | 5.90      | 6          | VIRGINIA: LOUISA COUNTY, MARYLAND, WASHINGTON D.C. | 37.94° N / 77.93° W |
|  | 18-Jul-2016 09:53:39 | 3.40      | -          | 11km NNW of Richlands, Virginia                    | 37.19° N / 81.83° W |
|  | 30-May-1823 00:00:00 | 0.00      | -          | LAKE ERIE (GREAT LAKES)                            | 42.7° N / 79° W     |

Source: [Earthquakes](#)

### Tsunami Runups:

#### 5 Largest Tsunami Runups

| Event   | Date (UTC)           | Country | Runup (m) | Deaths | Location                 | Lat/Long            |
|---|----------------------|---------|-----------|--------|--------------------------|---------------------|
|  | 30-May-1823 00:00:00 | USA     | 2.74      | -      | LAKE ERIE (GREAT LAKES)  | 42.7° N / 79° W     |
|  | 13-Apr-1912 00:00:00 | USA     | -         | -      | PAINESVILLE, OH          | 41.72° N / 81.23° W |
|  | 19-Sep-1884 00:00:00 | USA     | -         | -      | IN THE DETROIT RIVER, MI | 42.35° N / 82.95° W |

Source: [Tsunamis](#)

### 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 |
|  | KATRINA | 24-Aug-2005 00:00:00 - 31-Aug-2005 06:00:00 | 173                  | 902               | Atlantic | 31.11° N / 82.35° 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  |

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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