

# Lloyd's City Risk Index 2015-2025

Analysing the economic exposure from 18 threats over ten years from 2015

Understand the risks: [www.lloyds.com](http://www.lloyds.com)

## Philadelphia, US

Average GDP growth rate: 1.33%

Average annual GDP: \$228.22bn\*

Total GDP@Risk: \$19.43bn

Share of Average annual GDP: 8.51%

### GDP@Risk ranking

Global: 64 Regional: 8 National: 8

### GDP@Risk by threat type

Threat	GDP@Risk	Share of Total GDP@Risk
Market crash	\$5.30bn	27.30%
Oil price shock	\$3.32bn	17.10%
Cyber attack	\$2.97bn	15.30%
Flood	\$2.76bn	14.20%
Human pandemic	\$1.76bn	9.05%
Wind storm	\$0.63bn	3.23%
Freeze	\$0.50bn	2.55%
Solar storm	\$0.48bn	2.46%
Drought	\$0.45bn	2.30%
Power outage	\$0.35bn	1.81%
Nuclear accident	\$0.30bn	1.55%
Heatwave	\$0.25bn	1.29%
Plant epidemic	\$0.23bn	1.18%
Sovereign default	\$0.12bn	0.60%
Terrorism	\$0.01bn	0.07%
Earthquake	\$0.00bn	0.00%
Tsunami	\$0.00bn	0.00%
Volcano	\$0.00bn	0.00%

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### Insight

As home to one of the 12 regional Reserve Banks that, together with the Board of Governors in Washington, DC, make up the Federal Reserve System, Philadelphia is a major regional financial centre in the US.

Its risks are weighted towards Manmade threats (\$12.38bn, 63.73%), with Market crash, Oil price shock and Cyber attack collectively representing almost 60% of total GDP@Risk. The city's economic vulnerability to Oil price shock is in the top 30 globally, even though Philadelphia is at the heart of the Marcellus Shale, one of the biggest shale gas producing areas in the US.

With five nuclear power plants within 60 miles of the city, its exposure to Nuclear accident is the world's 10<sup>th</sup> largest.

Flood and Human pandemic account for the majority of the city's economic exposure to Natural threats, which represent more than a third of its overall potential losses. The city has previously experienced flooding, both from the overflow of the River Delaware and as a result of heavy rainfall. As a result, it recently decided to develop and implement a flood risk management strategy. Philadelphia also has significant economic exposure to Heatwave and Freeze - it ranks 12<sup>th</sup> globally for both.

Its potential economic losses from Emerging threats amount to \$5.44bn (27.99%), with Cyber attack and Human pandemic the most significant.

#### Sources:

<http://tmappsevents.esri.com/website/NuclearProximity/>

<http://blogs.asce.org/asce-report-prompts-philadelphia-to-step-up-flood-risk-management-efforts/>