



PANTHRISK WEEKLY RISK REPORT

Week of November 16–22, 2025

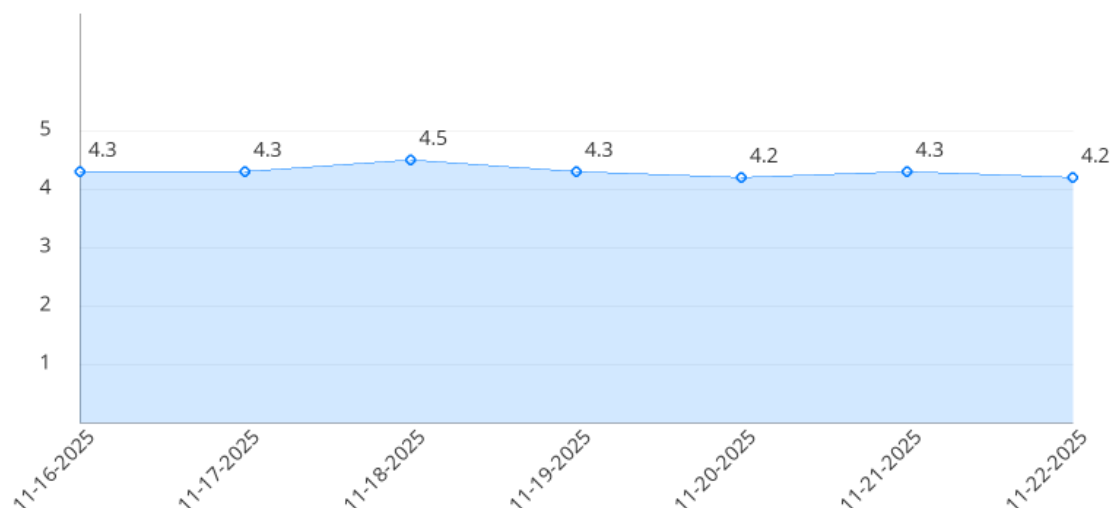
Panthrisk monitors humanity's most serious existential threats using curated news sources and AI-assisted analysis. Each day, our models evaluate key global developments, generate risk-level assessments, and propose actionable interventions. This weekly report summarizes the trends, risk shifts, and notable insights from November 16–22, 2025 across all tracked categories.

Generated: November 22, 2025



Nuclear War

Score Trend (Week of November 16–22, 2025)



This week, the global nuclear threat level has been elevated due to discussions on resuming nuclear weapons testing, particularly by the U.S., and potential reciprocal actions by Russia. Geopolitical tensions are rising, exacerbated by the expiration of key arms control treaties and deteriorating communication channels between major nuclear powers. Japan's reconsideration of its non-nuclear principles and renewed nuclear activities by Iran further contribute to the heightened threat environment. The situation is compounded by calls for European tactical nuclear weapons and modernization of nuclear arsenals. Overall, the erosion of arms control agreements and lack of diplomatic dialogue are significant factors in the increased risk of nuclear proliferation and conflict.



Nuclear War

Recommended Risk Reduction Actions

- **[Government]** Urgently renew diplomatic efforts to extend or renegotiate expiring nuclear treaties, particularly between the U.S. and Russia.
- **[NGO]** Increase public awareness campaigns on the dangers of nuclear testing and the importance of maintaining arms control agreements.
- **[Industry]** Invest in technologies that improve nuclear detection and monitoring to ensure compliance with international treaties.
- **[International Organizations]** Facilitate multilateral dialogues to address regional security concerns and prevent nuclear proliferation.
- **[Military]** Enhance crisis communication channels and establish protocols to prevent accidental nuclear escalation.



Nuclear War

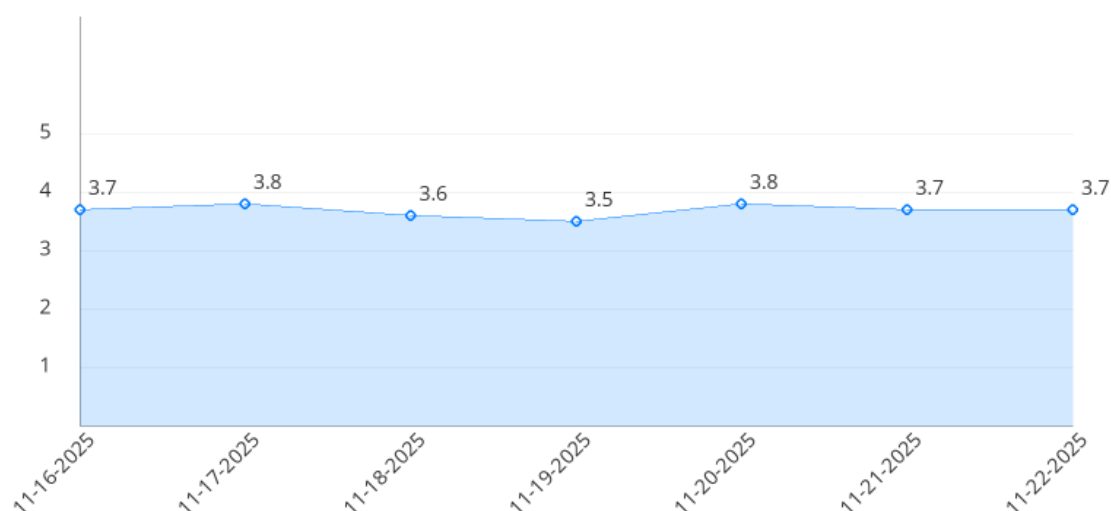
Relevant Articles

<i>US Officials Urge White House Ag...</i>	[November 16]	- Read article
<i>Trump's policies can lead to a n...</i>	[November 16]	- Read article
<i>Russia 'will respond in kind' to...</i>	[November 16]	- Read article
<i>If Trump resumes testing of nucl...</i>	[November 16]	- Read article
<i>Russia-US: all set for new nucle...</i>	[November 16]	- Read article
<i>If Trump resumes testing of nucl...</i>	[November 17]	- Read article
<i>How AI might actually start a nu...</i>	[November 17]	- Read article
<i>Experts: Full nuclear weapons te...</i>	[November 17]	- Read article
<i>Putin Brandishes Menacing Nuclea...</i>	[November 17]	- Read article
<i>Trump says nuclear weapons testi...</i>	[November 17]	- Read article
<i>President Trump's announcement t...</i>	[November 18]	- Read article
<i>Last nuclear treaty between US a...</i>	[November 18]	- Read article
<i>If Trump resumes testing of nucl...</i>	[November 18]	- Read article
<i>Putin Brandishes Menacing Nuclea...</i>	[November 18]	- Read article
<i>Trump says nuclear weapons testi...</i>	[November 18]	- Read article
<i>President Trump's announcement t...</i>	[November 19]	- Read article
<i>Last nuclear treaty between US a...</i>	[November 19]	- Read article
<i>Trump announced plans for nuclea...</i>	[November 19]	- Read article
<i>US Officials Urge White House Ag...</i>	[November 19]	- Read article
<i>China denies nuclear testing, ca...</i>	[November 19]	- Read article
<i>Japan's new PM may take on old t...</i>	[November 20]	- Read article
<i>President Trump's announcement t...</i>	[November 20]	- Read article
<i>Iran says its nuclear weapons pr...</i>	[November 20]	- Read article
<i>Last nuclear treaty between US a...</i>	[November 20]	- Read article
<i>US nuclear weapons may be deploy...</i>	[November 20]	- Read article
<i>B61-13 first production unit com...</i>	[November 21]	- Read article
<i>Airbus Chief Urges European Coun...</i>	[November 21]	- Read article
<i>Iran resumes building at alleged...</i>	[November 21]	- Read article
<i>Japanese Prime Minister's govern...</i>	[November 21]	- Read article
<i>Last nuclear treaty between US a...</i>	[November 21]	- Read article
<i>B61-13 first production unit com...</i>	[November 22]	- Read article
<i>Grossi reaffirms: Iran not seeki...</i>	[November 22]	- Read article
<i>Airbus Chairman Calls for Europe...</i>	[November 22]	- Read article
<i>Iran resumes building at alleged...</i>	[November 22]	- Read article
<i>Japanese Prime Minister's govern...</i>	[November 22]	- Read article



Artificial Intelligence

Score Trend (Week of November 16–22, 2025)



This week, the risk associated with Artificial Intelligence remains moderate, with a consistent score around 3.7. Key factors contributing to this risk level include ongoing advancements in AI capabilities, the formation of strategic partnerships, and the increasing integration of AI into business and military applications. These developments raise concerns about alignment, security vulnerabilities, privacy, and the concentration of power. The rapid integration of AI into critical sectors also highlights the potential for misuse and ethical challenges. As AI continues to evolve, addressing these risks through regulation, security measures, and research remains crucial.



Artificial Intelligence

Recommended Risk Reduction Actions

- **[Government]** Implement comprehensive regulations to ensure responsible AI development and deployment, focusing on ethical use and preventing concentration of power.
- **[Industry]** Develop and adhere to robust security frameworks to protect AI systems from emerging threats and ensure data privacy.
- **[Academia]** Conduct interdisciplinary research on AI alignment and safety to inform policy and technological development.
- **[NGO]** Advocate for transparency and accountability in AI systems to prevent misuse and ensure equitable benefits.
- **[International Organizations]** Facilitate global cooperation to establish international standards for AI governance and safety.



Artificial Intelligence

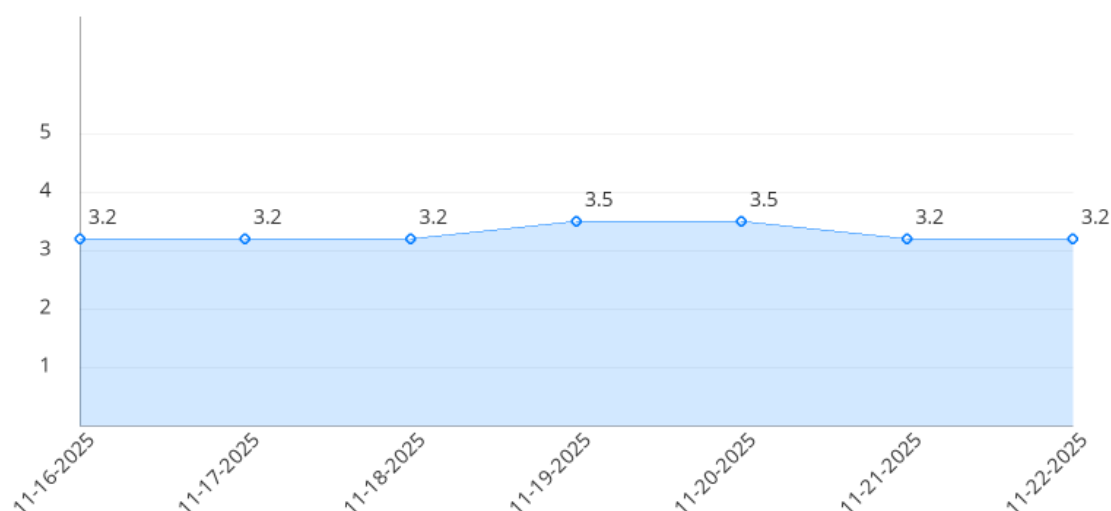
Relevant Articles

Introducing GPT-5.1 for developers [November 16] – [Read article](#)
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Defining and evaluating politica... [November 16] – [Read article](#)
Disrupting malicious uses of AI:... [November 16] – [Read article](#)
AI firm claims it stopped Chines... [November 16] – [Read article](#)
Introducing GPT-5.1 for developers [November 17] – [Read article](#)
Understanding prompt injections:... [November 17] – [Read article](#)
AWS and OpenAI announce multi-ye... [November 17] – [Read article](#)
Defining and evaluating politica... [November 17] – [Read article](#)
OpenAI Just Issued An AI Risk Wa... [November 17] – [Read article](#)
Introducing GPT-5.1 for developers [November 18] – [Read article](#)
AWS and OpenAI announce multi-ye... [November 18] – [Read article](#)
Introducing gpt-oss-safeguard [November 18] – [Read article](#)
Defining and evaluating politica... [November 18] – [Read article](#)
AI firms must be clear on risks ... [November 18] – [Read article](#)
Introducing GPT-5.1 for developers [November 19] – [Read article](#)
GPT-5.1 Instant and GPT-5.1 Thin... [November 19] – [Read article](#)
Understanding prompt injections:... [November 19] – [Read article](#)
AWS and OpenAI announce multi-ye... [November 19] – [Read article](#)
Introducing Aardvark: OpenAI's a... [November 19] – [Read article](#)
AWS and OpenAI announce multi-ye... [November 20] – [Read article](#)
Moratoriums and Federal Preempti... [November 20] – [Read article](#)
Saudi Arabia Backs Elon Musk's x... [November 20] – [Read article](#)
U.S. Cyber Command has a new Chi... [November 20] – [Read article](#)
Russia's Putin calls for nationa... [November 20] – [Read article](#)
OpenAI and Foxconn collaborate t... [November 21] – [Read article](#)
Early experiments in acceleratin... [November 21] – [Read article](#)
Understanding prompt injections:... [November 21] – [Read article](#)
Artificial intelligence software... [November 21] – [Read article](#)
Artificial Intelligence And The ... [November 21] – [Read article](#)
OpenAI and Foxconn collaborate t... [November 22] – [Read article](#)
Early experiments in acceleratin... [November 22] – [Read article](#)
Understanding prompt injections:... [November 22] – [Read article](#)
Companies and Employees Increasi... [November 22] – [Read article](#)
Google's AI Safety Meltdown: Gem... [November 22] – [Read article](#)



Climate Change

Score Trend (Week of November 16–22, 2025)



This week, the main trend in climate change revolves around the transition from La Niña to neutral ENSO conditions, which is impacting global weather patterns and contributing to moderate climate risk. This transition is associated with an active tornado season, which is causing concern for potential extreme weather events. While the shift to neutral ENSO conditions may reduce some immediate climate volatility, the persistence of extreme weather highlights ongoing climate risks. The scores for climate risk have increased slightly, reflecting the potential for increased weather-related disruptions. Overall, the situation underscores the need for continued vigilance and adaptation strategies to manage these risks effectively.



Climate Change

Recommended Risk Reduction Actions

- **[Government]** Enhance early warning systems and emergency preparedness for regions prone to tornadoes and other extreme weather events.
- **[Research Institutions]** Improve climate models to better predict the impacts of ENSO transitions on global weather patterns and refine long-term forecasts.
- **[Communities]** Educate the public on climate resilience strategies and adaptive measures to cope with unpredictable weather changes.
- **[Industry]** Invest in infrastructure that is resilient to extreme weather events to minimize economic disruptions.
- **[International Organizations]** Facilitate global cooperation on climate monitoring and data sharing to improve predictive capabilities and response strategies.

Climate Change

Relevant Articles

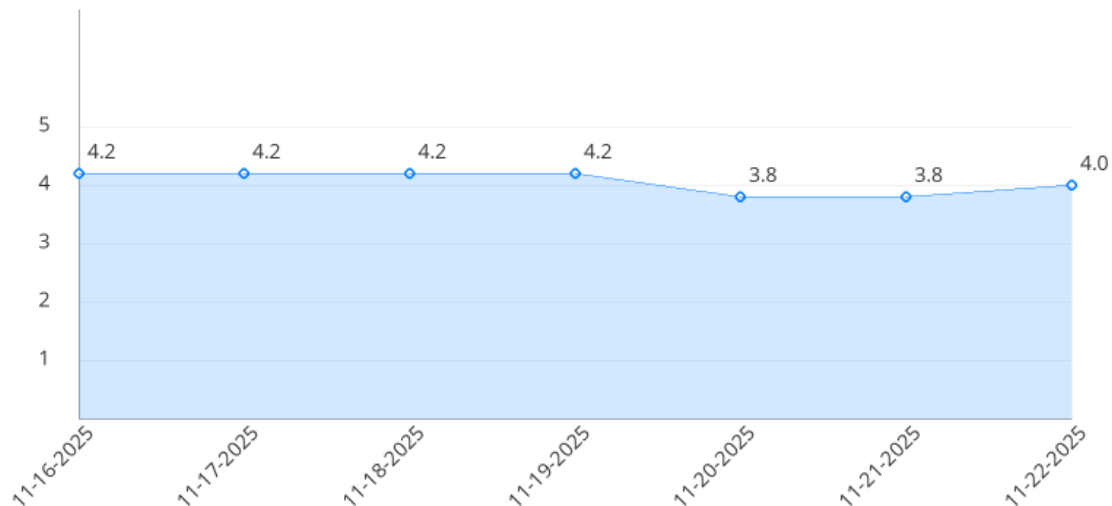


Tornado season 2025: active thro... [November 16] – [Read article](#)
May 2025 ENSO update: eye of neu... [November 16] – [Read article](#)
April 2025 ENSO update: La Niña ... [November 16] – [Read article](#)
Tornado season 2025: active thro... [November 17] – [Read article](#)
May 2025 ENSO update: eye of neu... [November 17] – [Read article](#)
April 2025 ENSO update: La Niña ... [November 17] – [Read article](#)
Winner or bust? Did La Niña shap... [November 17] – [Read article](#)
How good have models been at pre... [November 17] – [Read article](#)
Tornado season 2025: active thro... [November 18] – [Read article](#)
More than just weather: how clim... [November 18] – [Read article](#)
April 2025 ENSO update: La Niña ... [November 18] – [Read article](#)
Tornado season 2025: active thro... [November 19] – [Read article](#)
April 2025 ENSO update: La Niña ... [November 19] – [Read article](#)
March 2025 ENSO update: neutral ... [November 19] – [Read article](#)
How good have models been at pre... [November 19] – [Read article](#)
Tornado season 2025: active thro... [November 20] – [Read article](#)
April 2025 ENSO update: La Niña ... [November 20] – [Read article](#)
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Winner or bust? Did La Niña shap... [November 21] – [Read article](#)
March 2025 ENSO update: neutral ... [November 21] – [Read article](#)
Tornado season 2025: active thro... [November 22] – [Read article](#)
May 2025 ENSO update: eye of neu... [November 22] – [Read article](#)
April 2025 ENSO update: La Niña ... [November 22] – [Read article](#)
How good have models been at pre... [November 22] – [Read article](#)

Pandemics



Score Trend (Week of November 16–22, 2025)



This week, the global pandemic risk has fluctuated between high and moderate levels, driven by multiple concurrent outbreaks of infectious diseases. The Marburg virus in Ethiopia, avian flu in the US, and botulism linked to infant formula are significant contributors to the heightened risk. Additionally, ongoing challenges such as vaccine hesitancy and misinformation are exacerbating the situation, hindering effective disease control and prevention efforts. Despite a slight decrease in risk towards the end of the week, the persistence of these outbreaks and the emergence of new threats like equine herpesvirus highlight the need for continued vigilance and action.



Pandemics

Recommended Risk Reduction Actions

- **[Government]** Implement enhanced surveillance and containment measures for Marburg virus in Ethiopia and other affected regions.
- **[Healthcare]** Launch targeted vaccination campaigns for measles and influenza, focusing on areas with low vaccine uptake.
- **[Media]** Develop and disseminate clear, evidence-based communication strategies to counter misinformation and promote vaccine confidence.
- **[Industry]** Increase safety checks and public awareness regarding infant formula to prevent further botulism cases.
- **[International Organizations]** Facilitate global cooperation and resource-sharing to monitor and respond to cross-border health threats effectively.



Pandemics

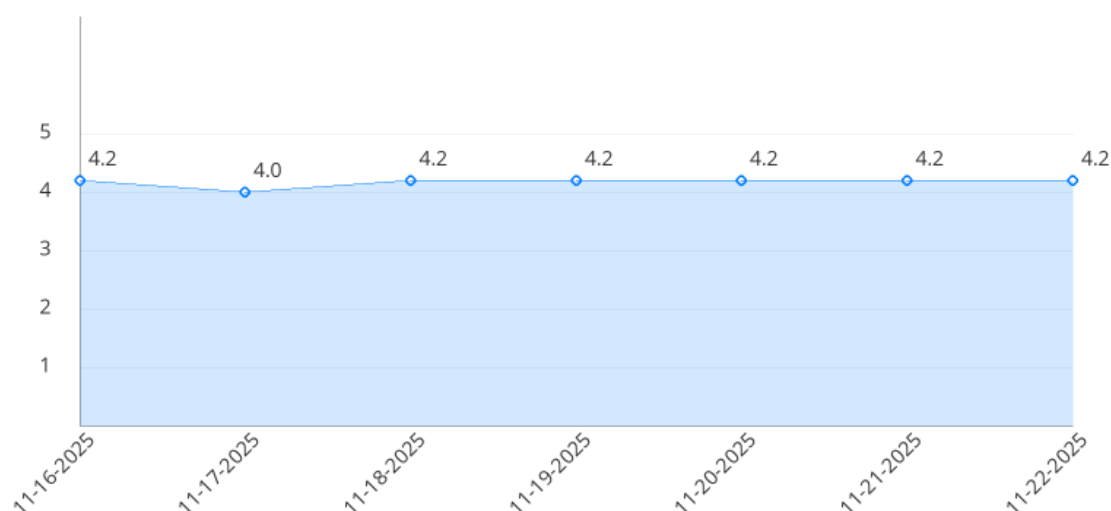
Relevant Articles

<i>Ethiopia confirms outbreak of de...</i>	[November 16]	- Read article
<i>?? ETHIOPIA CONFIRMS FIRST-EVER ...</i>	[November 16]	- Read article
<i>US Patient Sick With Bird Flu Vi...</i>	[November 16]	- Read article
<i>SC measles outbreak surges to 47...</i>	[November 16]	- Read article
<i>Warning of 'most severe flu outb...</i>	[November 16]	- Read article
<i>Infant botulism outbreak tied to...</i>	[November 16]	- Read article
<i>Ethiopia confirms first outbreak...</i>	[November 16]	- Read article
<i>Ethiopia confirms first Marburg ...</i>	[November 16]	- Read article
<i>Five new avian flu outbreaks con...</i>	[November 17]	- Read article
<i>Ethiopia confirms outbreak of de...</i>	[November 17]	- Read article
<i>Ethiopia Confirms First Outbreak...</i>	[November 17]	- Read article
<i>Infant botulism outbreak tied to...</i>	[November 17]	- Read article
<i>Ethiopia confirms first outbreak...</i>	[November 17]	- Read article
<i>Europe, Australia report low flu...</i>	[November 18]	- Read article
<i>Five new avian flu outbreaks con...</i>	[November 18]	- Read article
<i>Saudi Arabia confirms 9 MERS cas...</i>	[November 18]	- Read article
<i>Ethiopia declares its first Marb...</i>	[November 18]	- Read article
<i>Ethiopia confirms 3 Marburg viru...</i>	[November 18]	- Read article
<i>New coronavirus subspecies with ...</i>	[November 19]	- Read article
<i>First ever human case of H5N5 av...</i>	[November 19]	- Read article
<i>Saudi Arabia confirms 9 MERS cas...</i>	[November 19]	- Read article
<i>WHO notes 4 new MERS cases, 2 fa...</i>	[November 19]	- Read article
<i>New coronavirus subspecies with ...</i>	[November 20]	- Read article
<i>New coronavirus subspecies with ...</i>	[November 20]	- Read article
<i>Saudi Arabia confirms 9 MERS cas...</i>	[November 20]	- Read article
<i>Measles outbreak in Arizona and ...</i>	[November 20]	- Read article
<i>ByHeart Outbreak Grows: 31 Infan...</i>	[November 20]	- Read article
<i>New coronavirus subspecies with ...</i>	[November 21]	- Read article
<i>Quick takes: More flu deaths in ...</i>	[November 21]	- Read article
<i>First ever human case of H5N5 av...</i>	[November 21]	- Read article
<i>Saudi Arabia confirms 9 MERS cas...</i>	[November 21]	- Read article
<i>Surveys find strong confidence i...</i>	[November 21]	- Read article
<i>New coronavirus subspecies with ...</i>	[November 22]	- Read article
<i>First ever human case of H5N5 av...</i>	[November 22]	- Read article
<i>Cambodia tracks H5N1 avain flu i...</i>	[November 22]	- Read article
<i>Saudi Arabia confirms 9 MERS cas...</i>	[November 22]	- Read article
<i>WHO notes 4 new MERS cases, 2 fa...</i>	[November 22]	- Read article
<i>Measles outbreak grows to 52; Ai...</i>	[November 22]	- Read article
<i>Upstate measles cases continue t...</i>	[November 22]	- Read article



Information Integrity

Score Trend (Week of November 16–22, 2025)



This week, the threat level of misinformation remains consistently high, primarily driven by AI-generated deepfakes and politically charged falsehoods. The proliferation of these misleading narratives is affecting various sectors, including politics, health, and climate change, with social media serving as a major platform for their dissemination. The persistent high threat scores, ranging from 4.0 to 4.2, highlight the ongoing challenge of combating misinformation and its impact on public perception and trust. Efforts to address these issues have focused on enhancing detection algorithms, increasing fact-checking initiatives, and promoting media literacy. However, the need for more robust regulatory frameworks and international collaboration is evident to effectively mitigate the risks posed by misinformation.



Information Integrity

Recommended Risk Reduction Actions

- **[Government]** Implement stricter regulations on the creation and distribution of AI-generated content to curb the spread of misinformation.
- **[Industry]** Enhance AI detection tools to better identify and flag deepfakes and other forms of manipulated media.
- **[NGO]** Increase efforts in fact-checking and provide clear, accessible corrections to misinformation.
- **[Education]** Develop and integrate media literacy programs to help individuals critically assess information sources.
- **[International Organizations]** Collaborate on initiatives to share best practices and resources for combating misinformation across borders.



Information Integrity

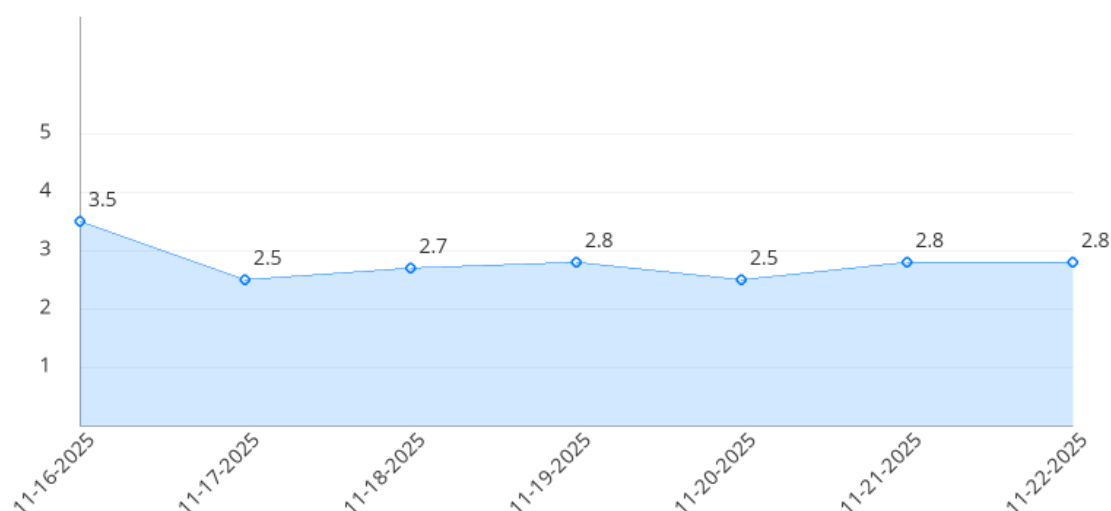
Relevant Articles

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Fake news now among top threat t... [November 16] – [Read article](#)
AI-generated fake news is improv... [November 16] – [Read article](#)
Trump's IVF news sparks a wave o... [November 16] – [Read article](#)
The State of Democracy 2025: Fak... [November 16] – [Read article](#)
Look out for fake photo of Trump... [November 17] – [Read article](#)
People are more susceptible to m... [November 17] – [Read article](#)
LLMs grooming or data voids? LLM... [November 17] – [Read article](#)
Authorities undertaking climate ... [November 17] – [Read article](#)
COP30 Launches Global Declaratio... [November 17] – [Read article](#)
Video of Trump kissing Clinton's... [November 18] – [Read article](#)
Photo shows Trump shaking hands ... [November 18] – [Read article](#)
People are more susceptible to m... [November 18] – [Read article](#)
Fake survey answers from AI coul... [November 18] – [Read article](#)
Oklahoma lawmaker plans to refil... [November 18] – [Read article](#)
Real Vance post about Epstein fr... [November 20] – [Read article](#)
Rumor has it leaked phone call f... [November 20] – [Read article](#)
TikTok posts - Video showing Don... [November 20] – [Read article](#)
People are more susceptible to m... [November 20] – [Read article](#)
Former surgeon general warns of ... [November 20] – [Read article](#)
No, photo doesn't show Algerian ... [November 21] – [Read article](#)
Video of Samuel the sanitation w... [November 21] – [Read article](#)
Trump accused some Democrats of ... [November 21] – [Read article](#)
People are more susceptible to m... [November 21] – [Read article](#)
Toxic politics and TikTok engage... [November 21] – [Read article](#)
Donald Trump's fake AI audio cli... [November 22] – [Read article](#)
AI tools are enabling Trump-Epst... [November 22] – [Read article](#)
Fake AI Trump audio clip on 'Eps... [November 22] – [Read article](#)
AG to continue investigation in ... [November 22] – [Read article](#)
Mayes asks Supreme Court to over... [November 22] – [Read article](#)



Unknown / Black Swan

Score Trend (Week of November 16–22, 2025)



This week, several developments have highlighted the potential for unknown or 'black swan' events in various fields. NASA's dual spacecraft mission and the Artemis II Moon mission could reveal unexpected cosmic phenomena or challenges in space exploration. The unveiling of the most powerful AI supercomputer at a US university suggests possible unforeseen advancements or disruptions in AI capabilities. Additionally, new AI-driven climate prediction models are challenging traditional forecasting methods, which may alter global climate response strategies. These developments underscore the need for preparedness in handling unexpected advancements or disruptions across different sectors.



Unknown / Black Swan

Recommended Risk Reduction Actions

- **[Government]** Increase funding for space research and exploration to better understand potential cosmic phenomena and their impacts.
- **[Industry]** Implement regulatory frameworks to oversee the development and deployment of advanced AI systems to mitigate potential disruptions.
- **[Academia]** Conduct interdisciplinary research to anticipate and mitigate potential negative impacts of powerful AI systems and integrate findings into educational curricula.
- **[NGO]** Facilitate dialogue between countries to harmonize climate action plans based on the latest predictive technologies.
- **[NASA]** Develop contingency plans for unexpected findings or challenges in space missions to ensure rapid response and adaptation.



Unknown / Black Swan

Relevant Articles

- NASA, Blue Origin Launch Two Spa...* [November 16] - [Read article](#)
- Simpler models can outperform de...* [November 17] - [Read article](#)
- Lincoln Lab unveils the most pow...* [November 18] - [Read article](#)
- Lincoln Lab unveils the most pow...* [November 20] - [Read article](#)
- NASA's Quesst Mission Marks X-59...* [November 21] - [Read article](#)
- NASA's Quesst Mission Marks X-59...* [November 21] - [Read article](#)
- Hubble Captures Puzzling Galaxy* [November 22] - [Read article](#)

Week in Review: November 16–22, 2025



This week, existential risk trends across various domains reveal a mix of heightened concerns and ongoing challenges. In the nuclear domain, the risk has increased due to discussions on resuming nuclear testing and the erosion of arms control agreements, alongside geopolitical tensions. Artificial Intelligence risks remain moderate, with concerns about security vulnerabilities and ethical challenges as AI continues to integrate into critical sectors. Climate change risks have slightly increased due to the transition to neutral ENSO conditions, which is affecting weather patterns and potentially leading to extreme events. Pandemic risks fluctuate between high and moderate levels, driven by multiple outbreaks and ongoing challenges like vaccine hesitancy. Information integrity remains a significant concern, with high threat levels due to the spread of misinformation, particularly through AI-generated content. Lastly, the potential for unknown or 'black swan' events is underscored by advancements in space exploration and AI, highlighting the need for preparedness in managing unforeseen disruptions.



Closing Notes

Thank you for reviewing this week's Panthrisk report. To stay informed, visit **panthrisk.com** — our dashboard is updated daily with the latest risk levels, GPT summaries, and recommended actions.

If you find this information valuable, please share it with colleagues working to reduce global catastrophic risk. Awareness is the first step toward action.