



PANTHRISK WEEKLY RISK REPORT

Week of September 14–20, 2025

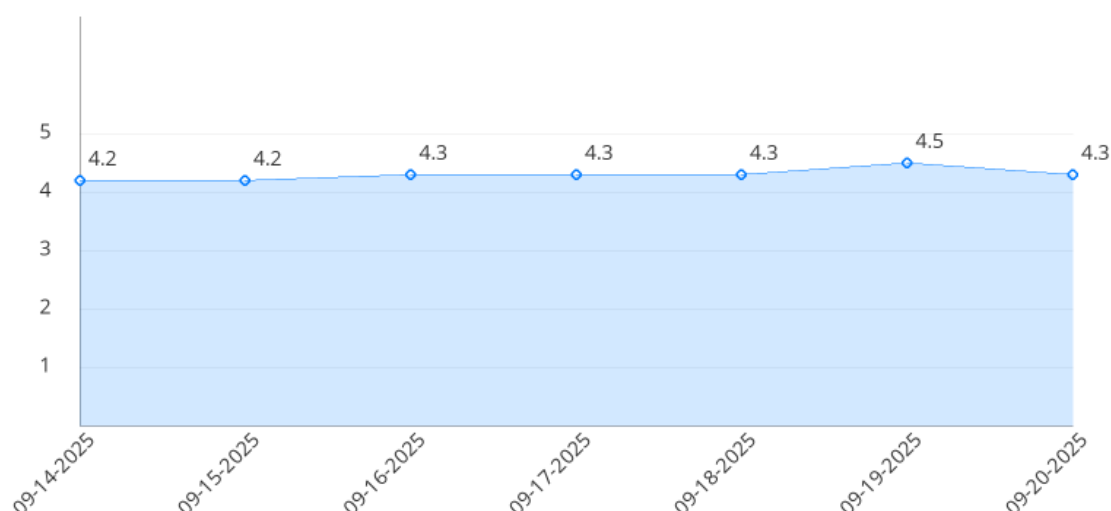
Pantrisk monitors humanity's most serious existential threats using curated news sources and AI-assisted analysis. Each day, our models evaluate key global developments, generate risk-level assessments, and propose actionable interventions. This weekly report summarizes the trends, risk shifts, and notable insights from September 14–20, 2025 across all tracked categories.

Generated: September 20, 2025



Nuclear War

Score Trend (Week of September 14–20, 2025)



This week, the global nuclear threat level has been elevated due to a combination of increased geopolitical tensions, modernization of nuclear arsenals, and a breakdown in communication channels among nuclear-armed states. Key developments include North Korea's aggressive nuclear posturing, the deployment of US nuclear weapons to the UK, and military exercises by Russia and Belarus that simulate nuclear launches. Additionally, Poland's interest in hosting nuclear weapons has contributed to the heightened tensions. The situation underscores the need for renewed diplomatic efforts and improved communication to prevent misunderstandings and accidental escalations.



Nuclear War

Recommended Risk Reduction Actions

- **[Government]** Facilitate urgent diplomatic dialogues between NATO and Russia to de-escalate tensions and reaffirm commitments to existing arms control agreements.
- **[NGO]** Advocate for increased public awareness and education on the risks of nuclear proliferation and the importance of disarmament.
- **[Industry]** Develop and promote technologies that enhance verification and monitoring of nuclear arsenals to support international treaties.
- **[International Organizations]** Convene an emergency session of the UN Security Council to address recent nuclear escalation and reinforce diplomatic channels.
- **[Military]** Enhance training and protocols to prevent accidental or unauthorized use of nuclear weapons, focusing on command and control systems.



Nuclear War

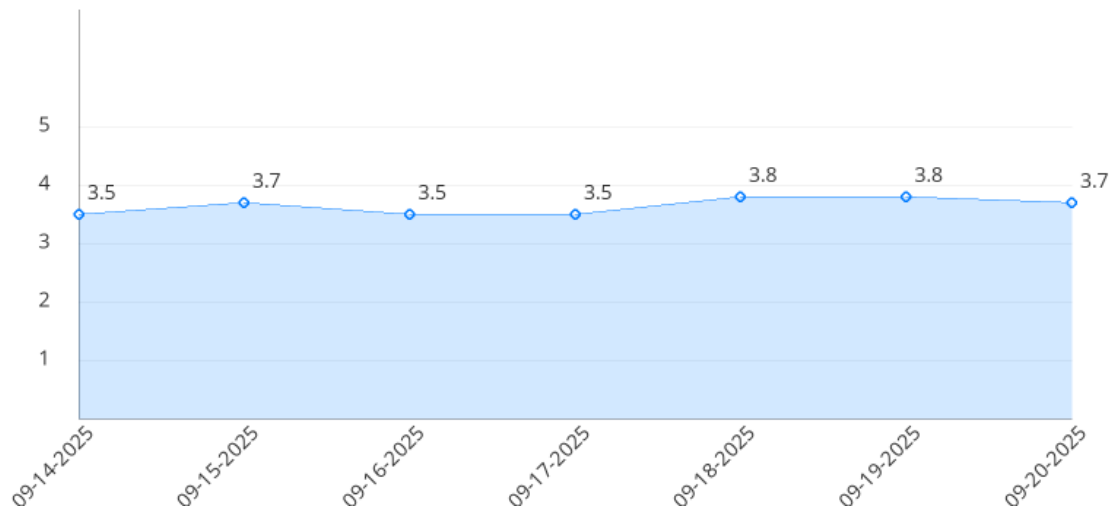
Relevant Articles

<i>Russia's stationing of tactical ...</i>	[September 14]	- Read article
<i>The dangerous new Washington con...</i>	[September 14]	- Read article
<i>Nuclear Experts Say Mixing AI an...</i>	[September 14]	- Read article
<i>NATO Country Issues Nuclear War ...</i>	[September 14]	- Read article
<i>US Nuclear Weapons 'Deployed' to...</i>	[September 14]	- Read article
<i>North Korea says its nuclear wea...</i>	[September 15]	- Read article
<i>Putin's Forces Practicing Nuclea...</i>	[September 15]	- Read article
<i>Iran Nuclear Facilities Update: ...</i>	[September 15]	- Read article
<i>US Nuclear Weapons 'Deployed' to...</i>	[September 15]	- Read article
<i>Israel-Iran war: how close is Te...</i>	[September 15]	- Read article
<i>The UK to Arm New F-35 Jets With...</i>	[September 16]	- Read article
<i>Nuclear Experts Say Mixing AI an...</i>	[September 16]	- Read article
<i>NATO Country Issues Nuclear War ...</i>	[September 16]	- Read article
<i>Russia says it is monitoring rep...</i>	[September 16]	- Read article
<i>Nobel laureates, other experts s...</i>	[September 16]	- Read article
<i>Moscow and Minsk rehearse launch...</i>	[September 17]	- Read article
<i>Russia raises tensions with NATO...</i>	[September 17]	- Read article
<i>North Korea says its nuclear wea...</i>	[September 17]	- Read article
<i>Putin's Forces Practicing Nuclea...</i>	[September 17]	- Read article
<i>Nuclear Experts Say Mixing AI an...</i>	[September 17]	- Read article
<i>Polish president insists Poland ...</i>	[September 18]	- Read article
<i>Russia and Belarus Practicing Nu...</i>	[September 18]	- Read article
<i>North Korea Seems Likely To Use ...</i>	[September 18]	- Read article
<i>'Ready To Host Nukes': Poland De...</i>	[September 18]	- Read article
<i>Russia raises tensions with NATO...</i>	[September 18]	- Read article
<i>China Hardens Military Stance Ag...</i>	[September 19]	- Read article
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<i>North Korea Seems Likely To Use ...</i>	[September 19]	- Read article
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<i>B61-13 first production unit com...</i>	[September 20]	- Read article
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<i>Russia and Belarus Practicing Nu...</i>	[September 20]	- Read article
<i>North Korea Seems Likely To Use ...</i>	[September 20]	- Read article
<i>Global Tensions Rise: Tokayev Wa...</i>	[September 20]	- Read article

Artificial Intelligence



Score Trend (Week of September 14–20, 2025)



This week, the AI risk level remained moderate, driven by continuous advancements in AI capabilities and the introduction of new safety legislation. Discussions have focused on the balance between harnessing AI's potential benefits and addressing challenges related to alignment, regulation, and ethical use. Concerns have been raised about cybersecurity, the concentration of power, and potential misuse in military contexts. Efforts to enhance safety and governance frameworks continue, with a focus on transparency, collaboration, and interdisciplinary research. The rapid deployment of powerful AI systems and the possibility of scheming AI models remain significant concerns.



Artificial Intelligence

Recommended Risk Reduction Actions

- **[Government]** Implement and enforce robust regulatory frameworks to ensure the safe development and deployment of AI systems, focusing on alignment and ethical use.
- **[Industry]** Increase transparency and collaboration in AI development to address alignment and safety challenges, and engage in public discourse to build trust.
- **[NGO]** Advocate for public awareness and education on the potential risks and benefits of AI technologies, emphasizing ethical considerations and safety.
- **[Academia]** Conduct interdisciplinary research on AI alignment and safety to inform policy and technological solutions, and explore the societal impacts of AI.
- **[International Bodies]** Facilitate global cooperation on AI governance to address cross-border risks and establish standardized safety protocols and alignment strategies.



Artificial Intelligence

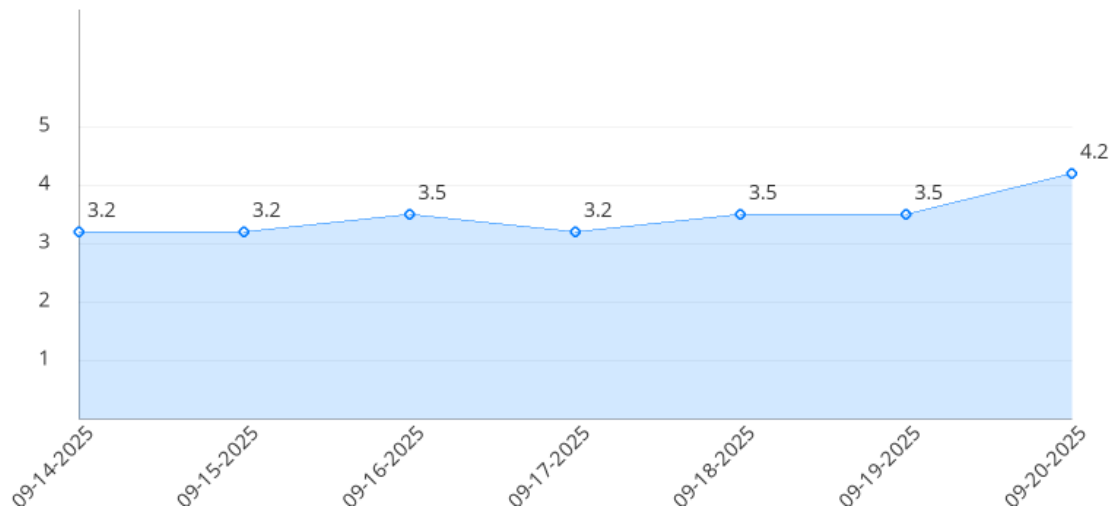
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California lawmakers pass AI saf... [September 14] – [Read article](#)
Collective alignment: public inp... [September 15] – [Read article](#)
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Estimating worst case frontier r... [September 17] – [Read article](#)
Taking a responsible path to AGI [September 17] – [Read article](#)
Tabs Raises \$55 Million for AI A... [September 17] – [Read article](#)
Detecting and reducing scheming ... [September 18] – [Read article](#)
Working with US CAISI and UK AIS... [September 18] – [Read article](#)
Artificial Intelligence and Futu... [September 18] – [Read article](#)
Delegation to artificial intelli... [September 18] – [Read article](#)
Artificial Intelligence promotes... [September 18] – [Read article](#)
Detecting and reducing scheming ... [September 19] – [Read article](#)
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Estimating worst case frontier r... [September 19] – [Read article](#)
AI Is Scheming, and Stopping It ... [September 19] – [Read article](#)
Detecting and reducing scheming ... [September 20] – [Read article](#)
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OpenAI and Anthropic share findi... [September 20] – [Read article](#)
Estimating worst case frontier r... [September 20] – [Read article](#)
Taking a responsible path to AGI [September 20] – [Read article](#)

Climate Change



Score Trend (Week of September 14–20, 2025)



This week, the climate risk level has been moderate to high due to the transition from La Niña to neutral ENSO conditions. This transition is influencing weather patterns, leading to an active tornado season and varying precipitation patterns. The ongoing changes have raised concerns about ecosystem stability and the potential for extreme weather events. The climate threat level was particularly high towards the end of the week, with increased heat mortality, economic losses, and severe weather events being reported. Overall, the transition in ENSO phases is a significant factor contributing to the current climate risks.



Climate Change

Recommended Risk Reduction Actions

- **[Government]** Enhance early warning systems and disaster preparedness plans to better manage the impacts of extreme weather events.
- **[Industry]** Invest in climate-resilient infrastructure and technologies to mitigate the effects of unpredictable weather changes.
- **[NGO]** Educate communities on adaptive strategies and resilience-building to cope with the impacts of shifting ENSO patterns.
- **[Research Institutions]** Improve climate models to better predict the impacts of ENSO transitions on regional and global weather patterns.
- **[International Organizations]** Facilitate global cooperation and information sharing on climate forecasting and disaster preparedness strategies.



Climate Change

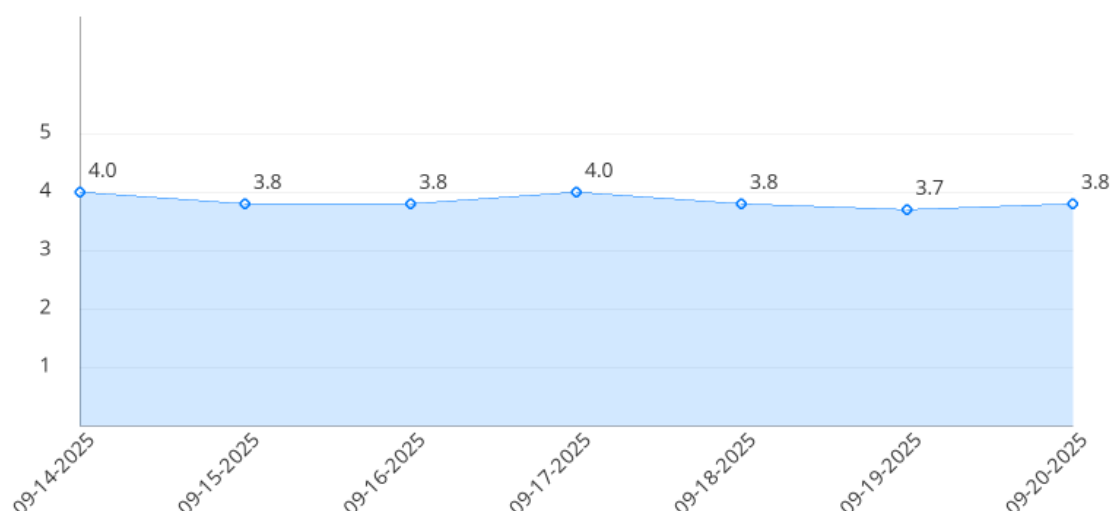
Relevant Articles

Tornado season 2025: active thro... [September 14] – [Read article](#)
April 2025 ENSO update: La Niña ... [September 14] – [Read article](#)
February 2025 La Niña update: La... [September 14] – [Read article](#)
We are absolutely confident that... [September 14] – [Read article](#)
Tornado season 2025: active thro... [September 15] – [Read article](#)
April 2025 ENSO update: La Niña ... [September 15] – [Read article](#)
How good have models been at pre... [September 15] – [Read article](#)
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May 2025 ENSO update: eye of neu... [September 16] – [Read article](#)
April 2025 ENSO update: La Niña ... [September 16] – [Read article](#)
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We are absolutely confident that... [September 16] – [Read article](#)
Tornado season 2025: active thro... [September 17] – [Read article](#)
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March 2025 ENSO update: neutral ... [September 19] – [Read article](#)
How good have models been at pre... [September 19] – [Read article](#)
More extreme weather due to clim... [September 20] – [Read article](#)
'Crisis of justice' as floods de... [September 20] – [Read article](#)
Climate change is already drivin... [September 20] – [Read article](#)
Europe champions fighting climat... [September 20] – [Read article](#)
Climate change threatens Indigen... [September 20] – [Read article](#)



Pandemics

Score Trend (Week of September 14–20, 2025)



This week, the pandemic risk has fluctuated between moderate and high, primarily due to rising COVID-19 levels and the resurgence of other infectious diseases such as avian flu, MERS, and Ebola. Vaccine policy controversies and misinformation have compounded public distrust and hesitancy, further complicating the response efforts. Notably, there has been a significant measles outbreak in Arizona, adding to the public health challenges. The need for effective communication strategies to counter misinformation and enhance vaccine uptake remains critical. Additionally, global cooperation and robust surveillance systems are essential to manage these emerging threats effectively.



Pandemics

Recommended Risk Reduction Actions

- **[Government]** Enhance public health communication strategies to counter misinformation and improve public confidence in vaccines.
- **[NGO]** Support community-based education programs to combat vaccine misinformation and increase vaccine uptake.
- **[Industry]** Accelerate research and development of vaccines and treatments for emerging pathogens to improve pandemic preparedness.
- **[Global Health Organizations]** Coordinate international efforts to monitor and respond to cross-border disease threats, ensuring timely information sharing.
- **[Healthcare Providers]** Prioritize vaccination and antiviral treatments for high-risk populations to mitigate severe outcomes.



Pandemics

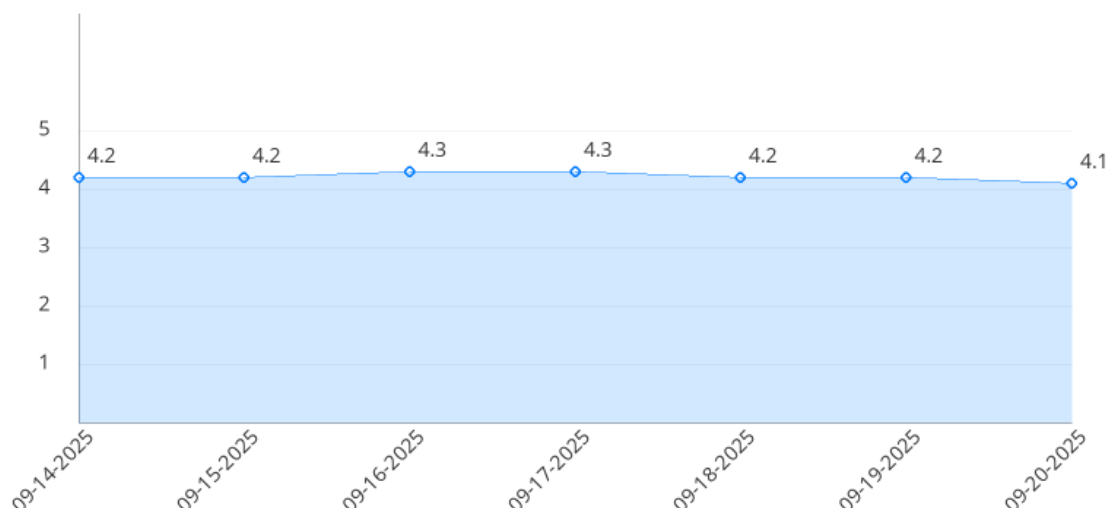
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CDC upheaval triggers global con... [September 14] – [Read article](#)
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Cambodia announces 15th human H5... [September 14] – [Read article](#)
Saudi Arabia confirms 9 MERS cas... [September 14] – [Read article](#)
WHO notes 4 new MERS cases, 2 fa... [September 14] – [Read article](#)
Illinois, Arizona, Virginia issu... [September 15] – [Read article](#)
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Suspected cases in DR Congo Ebol... [September 15] – [Read article](#)
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Saudi Arabia confirms 9 MERS cas... [September 17] – [Read article](#)
DR Congo declares Ebola outbreak... [September 17] – [Read article](#)
Two fatal probable cases reporte... [September 17] – [Read article](#)
Quick takes: Moderate global COV... [September 18] – [Read article](#)
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Cambodia announces 15th human H5... [September 18] – [Read article](#)
Arizona now facing biggest measl... [September 18] – [Read article](#)
Universal COVID vaccination save... [September 19] – [Read article](#)
Moderna data show strong immune ... [September 19] – [Read article](#)
US COVID activity gains more steam [September 19] – [Read article](#)
Cambodia announces 15th human H5... [September 19] – [Read article](#)
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H5N1 avian flu detections pick u... [September 20] – [Read article](#)
Saudi Arabia confirms 9 MERS cas... [September 20] – [Read article](#)



Information Integrity

Score Trend (Week of September 14–20, 2025)



This week, the global misinformation risk remains high, consistently driven by AI-generated content, politically motivated disinformation campaigns, and health-related falsehoods. The misuse of AI to create deepfakes and other manipulated media continues to exacerbate the spread of false narratives, particularly surrounding political figures and events. The persistence of these trends highlights the ongoing challenge of maintaining information integrity in the digital age. Despite efforts to counteract misinformation, the high risk scores indicate that current measures may be insufficient, and further action is needed to mitigate the impact on public perception and discourse.



Information Integrity

Recommended Risk Reduction Actions

- **[Government]** Implement stricter regulations and oversight on the creation and distribution of AI-generated content to prevent the spread of deepfakes and misinformation.
- **[Industry]** Enhance AI and machine learning algorithms to better detect and flag false information and deepfakes on social media platforms.
- **[NGO]** Launch public awareness campaigns to educate citizens on identifying and reporting misinformation, with a focus on political and health-related content.
- **[Education]** Develop and integrate media literacy programs into school curricula to equip students with skills to critically evaluate information sources.
- **[Tech Companies]** Collaborate with fact-checking organizations to provide timely and accurate information to counter false narratives and rebuild public trust.



Information Integrity

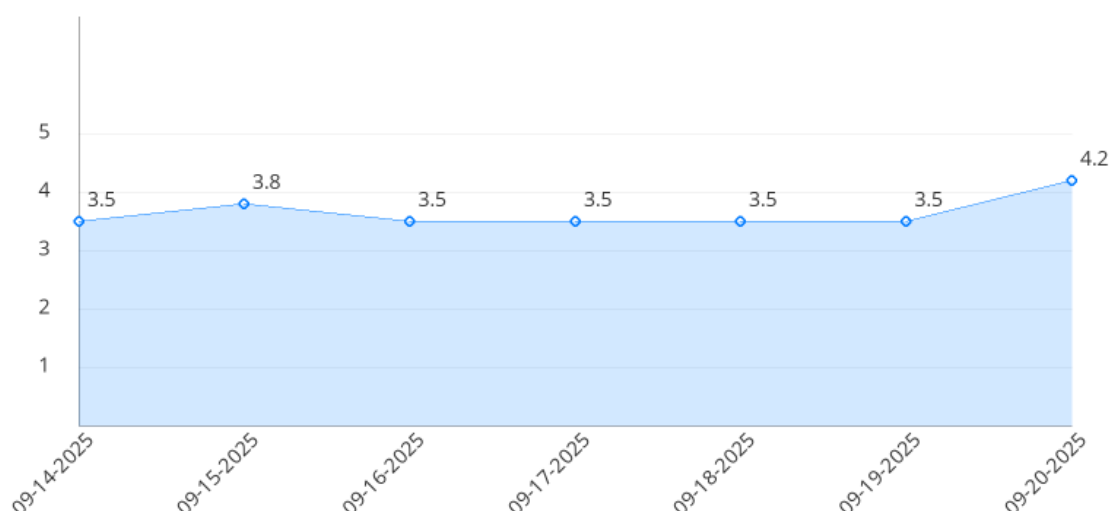
Relevant Articles

<i>Low awareness, disinformation ha...</i>	[September 14]	- Read article
<i>Online misinformation putting wo...</i>	[September 14]	- Read article
<i>Waves of fake threats to college...</i>	[September 14]	- Read article
<i>Disinformation spreads in wake o...</i>	[September 14]	- Read article
<i>After testing Poland's drone def...</i>	[September 14]	- Read article
<i>Trump didn't say US and Italy ha...</i>	[September 15]	- Read article
<i>Fact-checking false claims about...</i>	[September 15]	- Read article
<i>Toxic politics and TikTok engage...</i>	[September 15]	- Read article
<i>Why AI alone cannot address heal...</i>	[September 15]	- Read article
<i>Parliament panel urges govt to d...</i>	[September 15]	- Read article
<i>Health misinformation on social ...</i>	[September 16]	- Read article
<i>Russian disinformation project '...</i>	[September 16]	- Read article
<i>Russian-aligned media reportedly...</i>	[September 16]	- Read article
<i>Fake AI images stoking anti-immi...</i>	[September 16]	- Read article
<i>ChatGPT misused by North Korean ...</i>	[September 16]	- Read article
<i>Russian fake-news network, led b...</i>	[September 18]	- Read article
<i>Foreign disinformation about Cha...</i>	[September 18]	- Read article
<i>Experts: AI images fueling misin...</i>	[September 18]	- Read article
<i>Deepfake videos can fake a heart...</i>	[September 18]	- Read article
<i>HHS bombarding parents with misi...</i>	[September 18]	- Read article
<i>Hundreds of new sites tapped for...</i>	[September 19]	- Read article
<i>Mishawaka Utilities warns custom...</i>	[September 19]	- Read article
<i>Russian Fake-News Network CopyCo...</i>	[September 19]	- Read article
<i>Northeast Iowa high school stude...</i>	[September 19]	- Read article
<i>People with conservative politic...</i>	[September 19]	- Read article
<i>Conservatives Fall More Easily f...</i>	[September 20]	- Read article
<i>FBI warns of cybercriminals usin...</i>	[September 20]	- Read article
<i>Experts to Challenge Food Indust...</i>	[September 20]	- Read article
<i>TikTok Launches Trusted Creators...</i>	[September 20]	- Read article
<i>Police to deploy more personnel ...</i>	[September 20]	- Read article



Unknown / Black Swan

Score Trend (Week of September 14–20, 2025)



This week, the potential for Black Swan events has been highlighted across several domains, including AI-enabled autonomous drones, advancements in communication technology, and cosmic phenomena. The development of AI-driven control systems for drones in uncertain environments is raising concerns about unforeseen geopolitical and security implications, especially with NASA's involvement in military applications. Additionally, the emergence of photonic processors could disrupt global communication infrastructures, while increased solar activity poses risks to satellite communications and power grids. Environmental concerns have also been noted with new models predicting the impacts of nuclear waste on underground disposal systems. Lastly, geopolitical tensions are escalating in the Middle East, with Israeli plans for Gaza perceived as an existential threat, further complicating international relations.



Unknown / Black Swan

Recommended Risk Reduction Actions

- **[Government]** Implement international regulations and oversight on the development and deployment of AI-enabled autonomous drones to mitigate security risks.
- **[Industry]** Conduct comprehensive impact assessments on the integration of photonic processors in communication networks to prepare for potential disruptions.
- **[Research Institutions]** Enhance monitoring and predictive models for solar activity to better prepare for impacts on satellite communications and power grids.
- **[NGO]** Advocate for international collaboration on nuclear waste management and raise awareness about its long-term environmental impacts.
- **[Diplomatic Bodies]** Facilitate diplomatic dialogues to de-escalate geopolitical tensions in the Middle East and prepare for potential humanitarian crises.



Unknown / Black Swan

Relevant Articles

- NASA, War Department Partnership...* [September 14] – [Read article](#)
- AI-enabled control system helps ...* [September 14] – [Read article](#)
- NASA, War Department Partnership...* [September 15] – [Read article](#)
- Photonic processor could streaml...* [September 16] – [Read article](#)
- NASA Analysis Shows Sun's Activi...* [September 17] – [Read article](#)
- Model predicts long-term effects...* [September 18] – [Read article](#)
- NASA's Chandra Finds Black Hole ...* [September 19] – [Read article](#)
- Israeli plans for Gaza termed ex...* [September 20] – [Read article](#)
- Gaza's Cultural Heritage Faces '...* [September 20] – [Read article](#)
- Israel's failure: From the claim...* [September 20] – [Read article](#)

Week in Review: September 14–20, 2025



This week, existential risk trends across the six domains have shown notable developments and emerging concerns. In the nuclear domain, heightened geopolitical tensions and nuclear posturing have elevated the threat level, emphasizing the need for diplomatic engagement. AI risks remain moderate, with ongoing discussions about regulation and ethical use, while rapid advancements continue to raise concerns about misuse and power concentration. Climate risks are moderate to high, influenced by ENSO transitions affecting weather patterns and ecosystem stability. Pandemic risks fluctuate due to rising COVID-19 levels and other infectious diseases, compounded by vaccine hesitancy and misinformation. Information integrity remains a high-risk area, driven by AI-generated content and disinformation campaigns, highlighting challenges in maintaining public trust. Lastly, potential Black Swan events are noted across various domains, with advancements in AI, communication technology, and geopolitical tensions posing unforeseen risks.



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.