



PANTHRISK WEEKLY RISK REPORT

Week of August 3–9, 2025

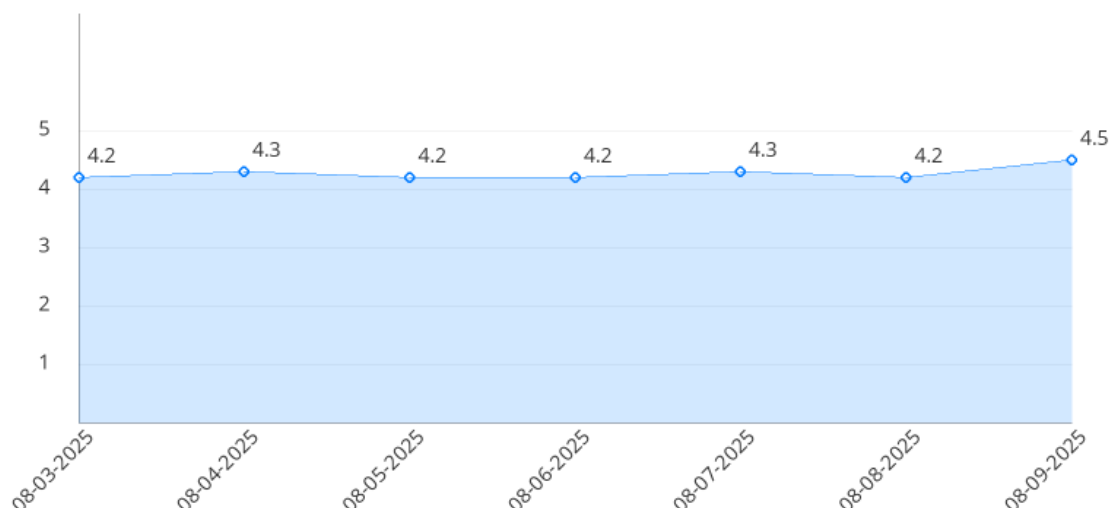
Panthrisk monitors humanity's most serious existential threats using curated news sources and AI-assisted analysis. Each day, our models evaluate key global developments, generate risk-level assessments, and propose actionable interventions. This weekly report summarizes the trends, risk shifts, and notable insights from August 3–9, 2025 across all tracked categories.

Generated: August 9, 2025



Nuclear War

Score Trend (Week of August 3–9, 2025)



This week, global nuclear tensions have escalated due to increased aggressive rhetoric and military posturing by major nuclear powers, notably involving Russia and Iran. The modernization of nuclear arsenals and the integration of AI in nuclear systems have further contributed to the heightened threat level. Additionally, the weakening of arms control frameworks and reduced diplomatic communication channels have exacerbated the situation, increasing the risk of miscalculations. The potential for an arms race and proliferation risks are also significant concerns, as existing treaties continue to deteriorate.



Nuclear War

Recommended Risk Reduction Actions

- **[Government]** Convene an international summit to address the breakdown of arms control agreements and explore new frameworks for dialogue and de-escalation.
- **[NGO]** Launch public awareness campaigns to educate on the risks of nuclear escalation and advocate for disarmament initiatives.
- **[Industry]** Develop and implement robust AI safety protocols to prevent accidental nuclear launches and ensure ethical integration in command systems.
- **[Diplomats]** Enhance diplomatic efforts to re-establish communication channels between nuclear-armed states to prevent misunderstandings and accidental escalations.
- **[Academia]** Conduct research on the implications of AI integration in nuclear systems and propose guidelines for safe and ethical use.



Nuclear War

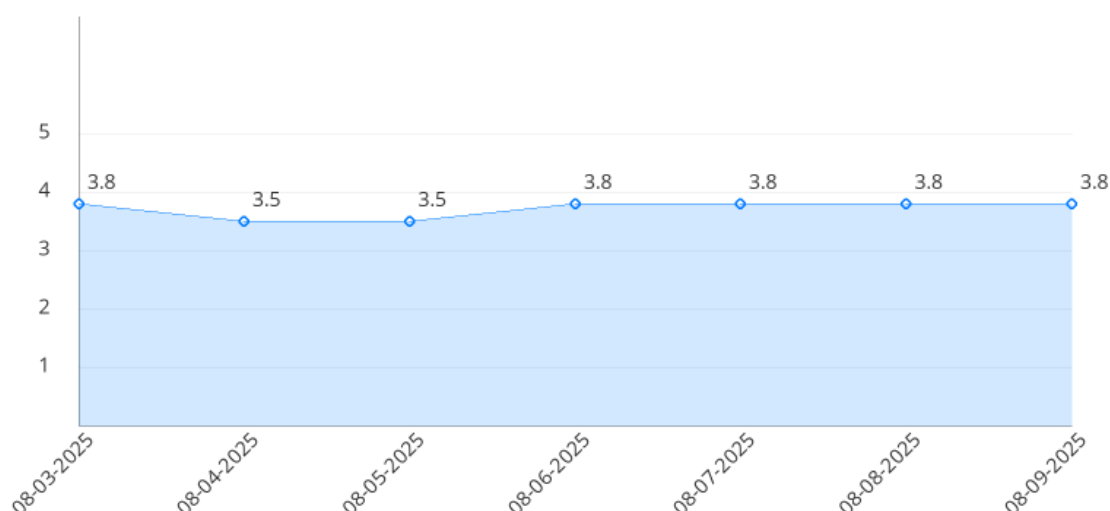
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Trump said the US is ready for n... [August 4] – [Read article](#)
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Artificial Intelligence

Score Trend (Week of August 3–9, 2025)



This week, the risk associated with artificial intelligence remains moderate, driven by the rapid deployment of AI technologies in critical sectors and the release of advanced models like GPT-5. Concerns are primarily focused on alignment, security, and the potential for misuse, particularly with open-access models. Despite these challenges, efforts to mitigate risks through regulatory measures and strategic partnerships continue. The integration of AI into sectors such as government and education underscores both its potential benefits and the importance of addressing alignment and security issues. The ongoing geopolitical tensions further complicate the landscape, necessitating international collaboration to establish safety standards.



Artificial Intelligence

Recommended Risk Reduction Actions

- **[Government]** Implement strict regulations and oversight mechanisms for the deployment of advanced AI models to ensure alignment with societal values.
- **[Industry]** Develop and enforce comprehensive safety and alignment protocols for open-access AI models to prevent their exploitation.
- **[NGO]** Advocate for transparency and accountability in AI development and deployment to ensure public trust and prevent concentration of power.
- **[Academia]** Conduct interdisciplinary research on AI alignment and control to address potential existential risks associated with advanced AI systems.
- **[International Organizations]** Foster global cooperation to establish norms and standards for AI safety and ethical use, addressing cross-border risks.



Artificial Intelligence

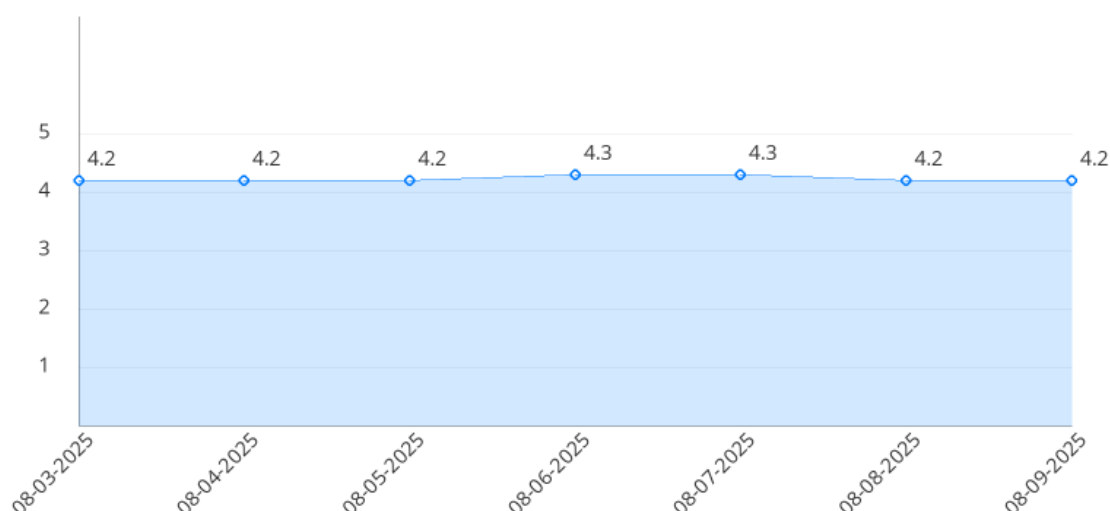
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Climate Change

Score Trend (Week of August 3–9, 2025)



This week, climate change risks remain high, primarily due to policy rollbacks and setbacks, which are undermining efforts to mitigate climate impacts. Extreme weather events, such as intensified hurricanes and exacerbated wildfire seasons, are increasingly frequent, posing significant threats to infrastructure and ecosystems. These events are contributing to rising global food prices and systemic ecological disruptions. The potential breach of critical temperature thresholds remains a pressing concern, highlighting the urgent need for reinforced climate action. The overall risk score has consistently been high, indicating a sustained period of elevated climate threats.



Climate Change

Recommended Risk Reduction Actions

- **[Government]** Reinstate and strengthen climate protection regulations to mitigate emissions and adapt to climate impacts.
- **[NGO]** Increase public awareness and advocacy for urgent climate action to pressure policymakers.
- **[Industry]** Invest in sustainable practices and technologies to reduce carbon footprints and enhance resilience.
- **[International Organizations]** Facilitate global cooperation and enforce compliance with climate agreements to prevent temperature threshold breaches.
- **[Research Institutions]** Develop and improve predictive models for extreme weather to enhance preparedness and response strategies.



Climate Change

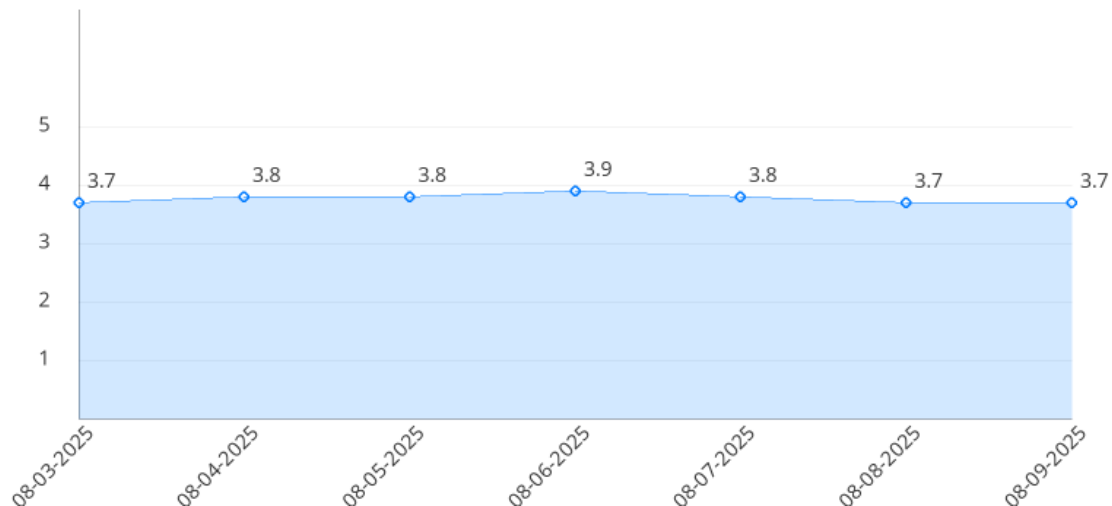
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Pandemics



Score Trend (Week of August 3–9, 2025)



This week, the pandemic risk remains moderate with a slight elevation at one point due to a variety of factors, including rising COVID-19 cases, new outbreaks of polio and measles, and ongoing cases of H5N1 and MERS. Additionally, a chikungunya outbreak in China has contributed to the elevated risk. Vaccine hesitancy and misinformation continue to pose significant challenges to public health efforts, impacting vaccine uptake. The overall pandemic risk score fluctuated between 3.7 and 3.9, reflecting these ongoing challenges and the need for effective responses.



Pandemics

Recommended Risk Reduction Actions

- **[Government]** Increase funding for public health campaigns to address vaccine hesitancy and misinformation, emphasizing the safety and efficacy of vaccines.
- **[NGO]** Collaborate with local communities to enhance education and outreach efforts, focusing on the importance of vaccinations and preventive health measures.
- **[Industry]** Accelerate the development and deployment of new vaccine platforms and treatments, particularly for emerging pathogens like H5N1 and MERS.
- **[Healthcare]** Enhance surveillance and rapid response capabilities for emerging infectious diseases, including the use of predictive tools for early detection.
- **[International Organizations]** Strengthen global cooperation and resource sharing to manage cross-border outbreaks and improve pandemic preparedness.



Pandemics

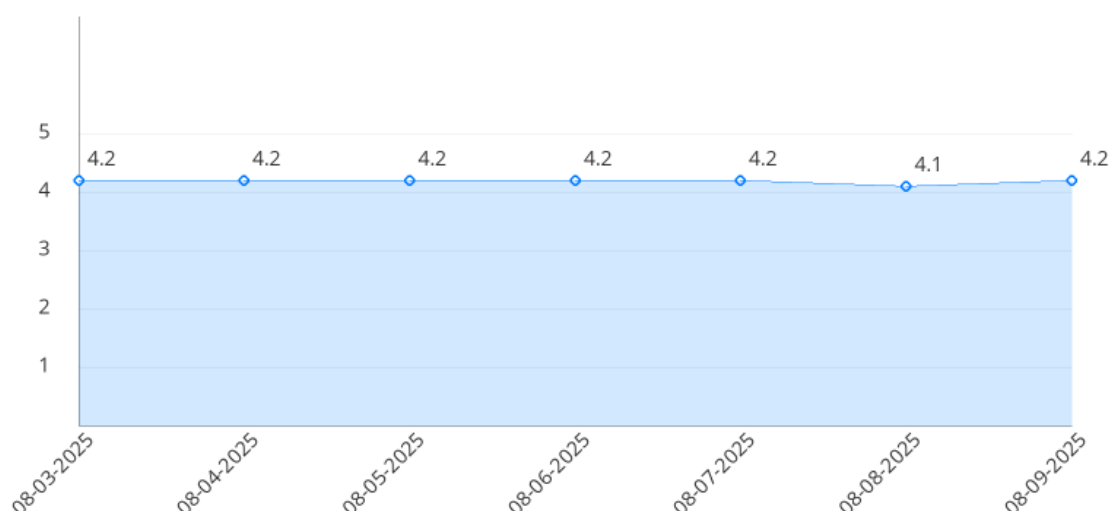
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Saudi Arabia confirms 9 MERS cas... [August 3] - [Read article](#)
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US COVID levels rise a bit in We... [August 6] - [Read article](#)
CDC issues travel warning over c... [August 6] - [Read article](#)
Chikungunya outbreak forces quar... [August 6] - [Read article](#)
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KFF poll shows most Americans pl... [August 7] - [Read article](#)
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New surveillance tool can predic... [August 7] - [Read article](#)
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Cambodia announces 15th human H5... [August 7] - [Read article](#)
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WHO reports 4 more MERS cases fr... [August 9] - [Read article](#)



Information Integrity

Score Trend (Week of August 3–9, 2025)



This week, the global misinformation threat remains high, with a consistent score of 4.2, driven by a variety of factors including AI-generated disinformation, deepfakes, and scams exploiting digital platforms. The misinformation spans multiple sectors such as politics, health, climate, and finance, with fake scientific papers and fraudulent activities also contributing to the elevated risk. The persistent nature of these threats highlights the need for enhanced detection systems and public awareness. Efforts to counter misinformation must address both the technological and educational aspects to effectively mitigate its impact.



Information Integrity

Recommended Risk Reduction Actions

- **[Government]** Implement stricter regulations and penalties for the creation and dissemination of deepfakes and fraudulent content.
- **[Industry]** Enhance AI-driven detection systems to identify and flag misinformation and deepfakes more effectively.
- **[NGO]** Launch public awareness campaigns to educate people on identifying and reporting scams and misinformation online.
- **[Academia]** Conduct research on the impact of AI-driven misinformation and develop strategies to mitigate its effects on society.
- **[Media]** Collaborate with fact-checking organizations to provide accurate information and debunk false claims, particularly concerning climate change.



Information Integrity

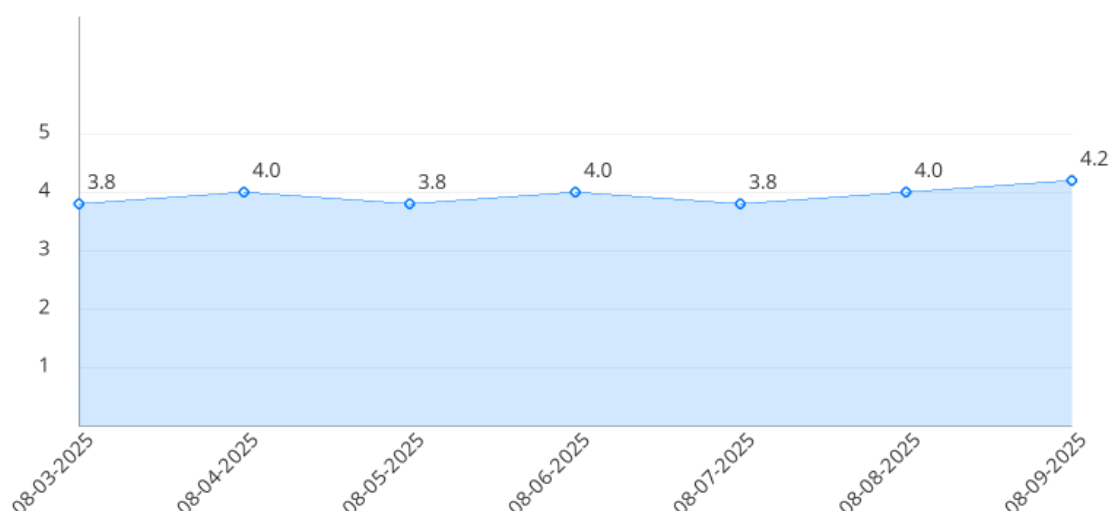
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<i>These hyper-realistic AI generat...</i>	[August 3]	- Read article
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<i>Fraudulent Scientific Papers Are...</i>	[August 5]	- Read article
<i>How Fake News and Deepfakes Powe...</i>	[August 5]	- Read article
<i>PlayPraetor Android Trojan Infec...</i>	[August 5]	- Read article
<i>Deepfakes and fake news: The new...</i>	[August 6]	- Read article
<i>How Fake News and Deepfakes Powe...</i>	[August 6]	- Read article
<i>Philippines rejects Chinese 'fak...</i>	[August 6]	- Read article
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<i>Fraudulent Scientific Papers Are...</i>	[August 6]	- Read article
<i>A Massive Fraud Ring Is Publishi...</i>	[August 7]	- Read article
<i>I'm a perinatal psychiatrist. Th...</i>	[August 7]	- Read article
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<i>By 2028, 1 in 4 candidate profil...</i>	[August 9]	- Read article



Unknown / Black Swan

Score Trend (Week of August 3–9, 2025)



This week, the International Court of Justice and the UN's top court have declared climate change an 'existential threat,' emphasizing the urgent need for global action to mitigate its unpredictable impacts. This declaration highlights the potential for unforeseen global disruptions, including geopolitical and environmental consequences. Additionally, the detection of a tsunami by the US-French SWOT satellite following a massive earthquake underscores the potential for unforeseen geological events. Furthermore, geopolitical tensions have risen with Netanyahu's recent attack on Iran, which could escalate into a broader conflict with unpredictable outcomes. These developments signal a need for heightened awareness and preparedness for potential Black Swan scenarios.



Unknown / Black Swan

Recommended Risk Reduction Actions

- **[Government]** Implement and enforce stringent climate policies to reduce carbon emissions and transition to renewable energy sources.
- **[NGO]** Increase advocacy efforts to ensure that vulnerable populations are protected from the impacts of climate change-related policies.
- **[Industry]** Invest in sustainable practices and technologies to minimize environmental impact and enhance corporate resilience.
- **[International Organizations]** Facilitate global cooperation and resource sharing to address climate-related challenges and geopolitical tensions.
- **[Media]** Provide balanced and comprehensive coverage to inform the public about the risks and developments related to climate change and geopolitical conflicts.



Unknown / Black Swan

Relevant Articles

<i>The International court of justi...</i>	[August 3]	- Read article
<i>Confirmed by the UN - climate ch...</i>	[August 3]	- Read article
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<i>Climate Change an 'Existential T...</i>	[August 4]	- Read article
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<i>Netanyahu attacked Iran to avert...</i>	[August 9]	- Read article

Week in Review: August 3–9, 2025



This week, existential risks across various domains have shown notable trends and emerging concerns. In the nuclear domain, tensions have escalated due to aggressive rhetoric and military posturing, compounded by the modernization of arsenals and weakened arms control frameworks. Artificial intelligence risks remain moderate, with ongoing challenges in alignment and security, particularly as advanced models like GPT-5 are deployed. Climate change risks continue to be high, driven by policy setbacks and frequent extreme weather events. Pandemic risks have seen a slight elevation due to rising cases of various diseases and challenges in vaccine uptake. Information integrity threats remain high, fueled by AI-generated disinformation and scams. Lastly, the declaration of climate change as an 'existential threat' by international bodies and geopolitical tensions highlight the need for preparedness against potential Black Swan scenarios.



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.