



PANTHRISK WEEKLY RISK REPORT

Week of September 28–4, 2025

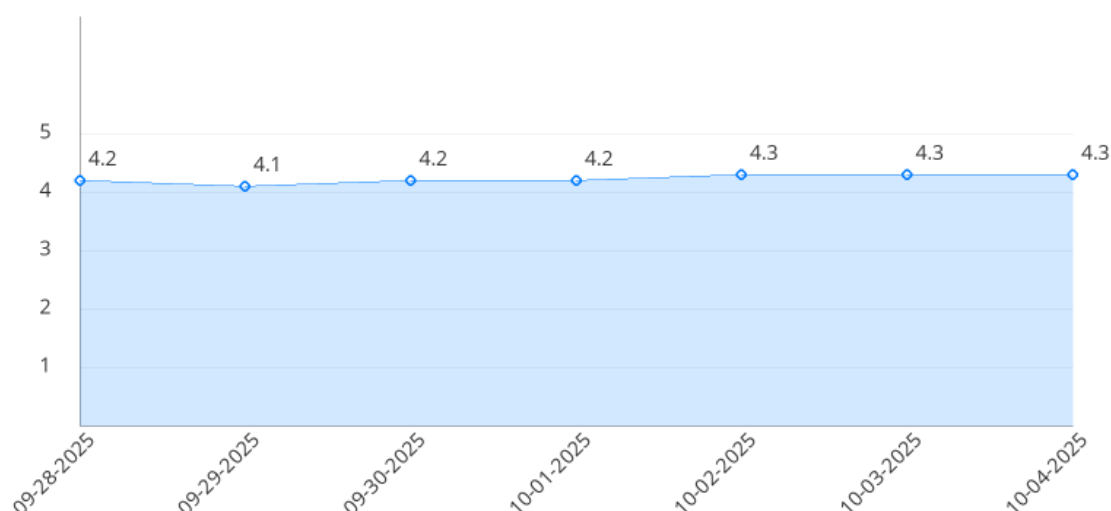
Panthrisk monitors humanity's most serious existential threats using curated news sources and AI-assisted analysis. Each day, our models evaluate key global developments, generate risk-level assessments, and propose actionable interventions. This weekly report summarizes the trends, risk shifts, and notable insights from September 28–4, 2025 across all tracked categories.

Generated: October 4, 2025



Nuclear War

Score Trend (Week of September 28–4, 2025)



This week, the global nuclear threat level remains elevated due to several factors, including Iran's potential withdrawal from the Nuclear Non-Proliferation Treaty (NPT), North Korea's continued expansion and firm stance on its nuclear arsenal, and Russia's provocative nuclear posturing. The breakdown of key arms control treaties and the modernization of nuclear arsenals further exacerbate these tensions. Additionally, there are emerging concerns about the potential weaponization of space, adding another layer of complexity to the current situation. Diplomatic engagement is limited, and there is an urgent need for renewed efforts to address these escalating threats.



Nuclear War

Recommended Risk Reduction Actions

- **[Government]** Convene an emergency UN Security Council meeting to address the escalating nuclear threats and reinforce diplomatic efforts.
- **[Diplomats]** Re-engage in arms control negotiations to renew and strengthen treaties like the New START and INF Treaty.
- **[NGO]** Launch public awareness campaigns to educate citizens on the importance of nuclear disarmament and the risks of nuclear proliferation.
- **[Military]** Enhance communication and de-escalation protocols with nuclear-armed states to prevent accidental launches or misinterpretations during military exercises.
- **[Industry]** Invest in research and development of technologies that enhance nuclear detection and monitoring capabilities to support non-proliferation efforts.



Nuclear War

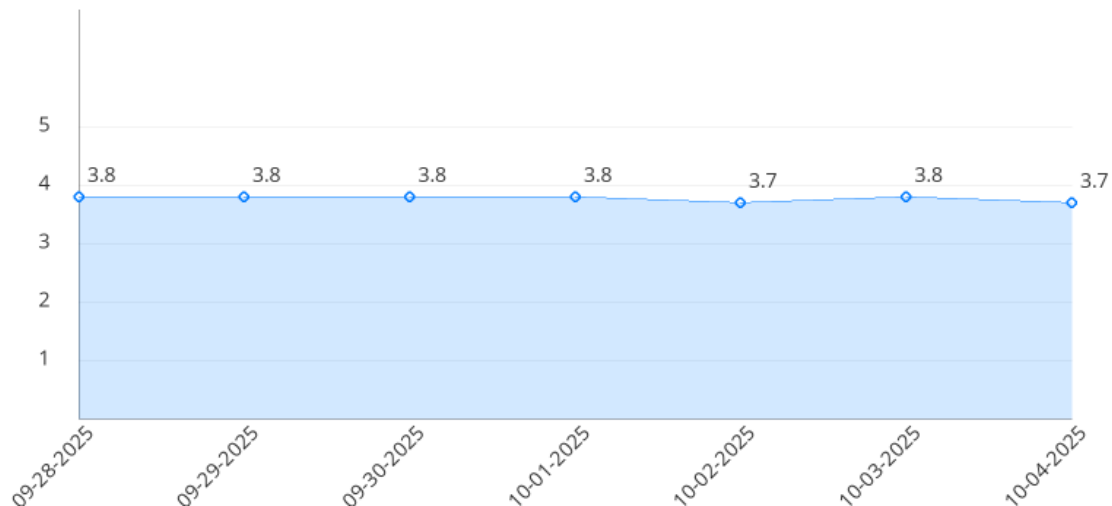
Relevant Articles

<i>Iran's Parliament to Review With...</i>	[September 28]	- Read article
<i>Russian nuclear weapons sub 'iss...</i>	[September 28]	- Read article
<i>North Korea's Nuclear Weapons An...</i>	[September 28]	- Read article
<i>Intensifying threat looms large ...</i>	[September 28]	- Read article
<i>North Korea building nuclear wea...</i>	[September 28]	- Read article
<i>"Putin Plans Nuclear Weapons In ...</i>	[September 29]	- Read article
<i>North Korea building nuclear wea...</i>	[September 29]	- Read article
<i>Russia's 'Professor Doomsday' cl...</i>	[September 29]	- Read article
<i>South Korea says the North has 4...</i>	[September 29]	- Read article
<i>The Proliferation Problem Is Bac...</i>	[September 29]	- Read article
<i>North Korea vows to keep nuclear...</i>	[September 30]	- Read article
<i>North Korea Confirms Nuclear Wea...</i>	[September 30]	- Read article
<i>Oppenheimer's nightmare: How imm...</i>	[September 30]	- Read article
<i>"Putin Plans Nuclear Weapons In ...</i>	[September 30]	- Read article
<i>Intensifying threat looms large ...</i>	[September 30]	- Read article
<i>North Korea vows to 'never give ...</i>	[October 1]	- Read article
<i>EU At Brink Of Nuclear War? One ...</i>	[October 1]	- Read article
<i>Russian Nuclear Move in Venezuel...</i>	[October 1]	- Read article
<i>Nuclear Testing Threats are Retu...</i>	[October 1]	- Read article
<i>Intensifying threat looms large ...</i>	[October 1]	- Read article
<i>Space-based nuclear detonation d...</i>	[October 2]	- Read article
<i>B61-13 first production unit com...</i>	[October 2]	- Read article
<i>Russia stages nationwide nuclear...</i>	[October 2]	- Read article
<i>Russia stages nationwide nuclear...</i>	[October 2]	- Read article
<i>North Korea vows to 'never give ...</i>	[October 2]	- Read article
<i>B61-13 first production unit com...</i>	[October 3]	- Read article
<i>Russia threatens UK with nuclear...</i>	[October 3]	- Read article
<i>Russia stages nationwide nuclear...</i>	[October 3]	- Read article
<i>North Korea Issues Statement at ...</i>	[October 3]	- Read article
<i>Russia stages nationwide nuclear...</i>	[October 3]	- Read article
<i>North Korea vows at UN it will k...</i>	[October 4]	- Read article
<i>Russia stages nationwide nuclear...</i>	[October 4]	- Read article
<i>Chilling moment Russia's nuclear...</i>	[October 4]	- Read article
<i>Artificial Intelligence and Nucl...</i>	[October 4]	- Read article
<i>Nuclear Testing Threats are Retu...</i>	[October 4]	- Read article

Artificial Intelligence



Score Trend (Week of September 28–4, 2025)



This week, the trend in artificial intelligence indicates a moderate risk level, driven by rapid advancements in AI capabilities and infrastructure, alongside strategic partnerships. These developments raise concerns about potential misuse, alignment issues, and concentration of power. Legislative actions, particularly in California, reflect a growing awareness of AI safety and transparency needs. Regulatory developments highlight both the opportunities and challenges in managing AI's societal impact. The consistent moderate risk score suggests ongoing challenges in effectively addressing these issues.



Artificial Intelligence

Recommended Risk Reduction Actions

- **[Government]** Implement comprehensive AI regulations to ensure safe and ethical deployment of AI technologies.
- **[Industry]** Prioritize transparency and alignment in AI development to prevent misuse and ensure AI systems align with human values.
- **[NGO]** Advocate for equitable access to AI technologies to prevent concentration of power and ensure global benefits.
- **[Academia]** Conduct interdisciplinary research on AI alignment and safety to address potential risks associated with advanced AI systems.
- **[International Organizations]** Facilitate global cooperation on AI governance to manage cross-border implications and ensure responsible AI development.



Artificial Intelligence

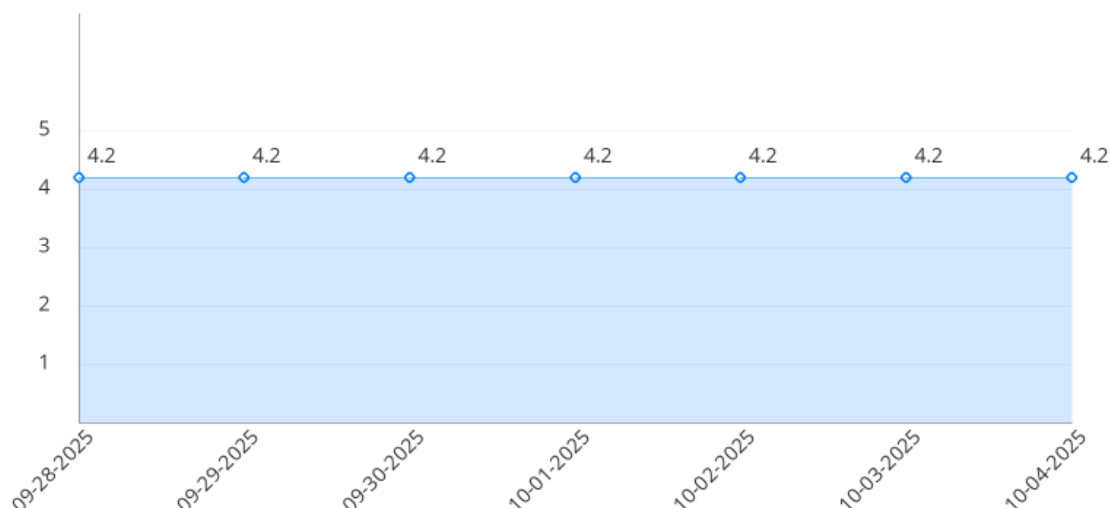
Relevant Articles

SAP and OpenAI partner to launch... [September 28] – [Read article](#)
OpenAI and NVIDIA announce strat... [September 28] – [Read article](#)
OpenAI and Greek Government laun... [September 28] – [Read article](#)
Introducing GPT-5 for developers [September 28] – [Read article](#)
Taking a responsible path to AGI [September 28] – [Read article](#)
SAP and OpenAI partner to launch... [September 29] – [Read article](#)
OpenAI and NVIDIA announce strat... [September 29] – [Read article](#)
Introducing GPT-5 for developers [September 29] – [Read article](#)
AI Safety Warnings Grow as Micro... [September 29] – [Read article](#)
AI expert on threat to humanity:... [September 29] – [Read article](#)
California Gov. Gavin Newsom sig... [September 30] – [Read article](#)
Newsom signs 'AI safety' law to ... [September 30] – [Read article](#)
Governor of California signs lan... [September 30] – [Read article](#)
California governor enacts AI sa... [September 30] – [Read article](#)
Gavin Newsom signs first-in-nati... [September 30] – [Read article](#)
California's Gavin Newsom Signs ... [October 1] – [Read article](#)
California enacts nation's first... [October 1] – [Read article](#)
Newsom signs landmark AI safety ... [October 1] – [Read article](#)
California becomes the first sta... [October 1] – [Read article](#)
California Governor Gavin Newsom... [October 1] – [Read article](#)
OpenAI announces strategic colla... [October 2] – [Read article](#)
Samsung and SK join OpenAI's Sta... [October 2] – [Read article](#)
SAP and OpenAI partner to launch... [October 2] – [Read article](#)
OpenAI and NVIDIA announce strat... [October 2] – [Read article](#)
California passes law creating A... [October 2] – [Read article](#)
California Gov. Gavin Newsom sig... [October 2] – [Read article](#)
OpenAI announces strategic colla... [October 3] – [Read article](#)
Samsung and SK join OpenAI's Sta... [October 3] – [Read article](#)
OpenAI and NVIDIA announce strat... [October 3] – [Read article](#)
California Enacts AI Safety Disc... [October 3] – [Read article](#)
California Enacts Major AI Safet... [October 3] – [Read article](#)
OpenAI announces strategic colla... [October 4] – [Read article](#)
Samsung and SK join OpenAI's Sta... [October 4] – [Read article](#)
OpenAI and NVIDIA announce strat... [October 4] – [Read article](#)
Newsom signs landmark AI safety ... [October 4] – [Read article](#)
Hong Kong to install surveillanc... [October 4] – [Read article](#)



Climate Change

Score Trend (Week of September 28–4, 2025)



This week, the climate threat level remains high, consistently scoring 4.2 due to a combination of increasing extreme weather events, policy challenges, and significant ecological and economic impacts. The ongoing extreme weather is exacerbating ecosystem disruptions and food security threats, while political challenges hinder effective climate legislation. These factors contribute to systemic threats across various sectors, emphasizing the need for immediate and coordinated action to address both mitigation and adaptation strategies. The situation underscores the urgency for global cooperation and robust policy frameworks to combat the accelerating impacts of climate change.



Climate Change

Recommended Risk Reduction Actions

- **[Government]** Reinforce and expand climate legislation to ensure long-term emission reductions and resilience against climate impacts.
- **[NGO]** Increase advocacy and public awareness campaigns to counteract political movements that threaten climate action.
- **[Industry]** Invest in sustainable practices and technologies to reduce carbon footprints and enhance climate resilience.
- **[International Organizations]** Facilitate global cooperation and support for countries facing severe climate impacts, focusing on adaptation and mitigation strategies.
- **[Research Institutions]** Continue to study and communicate the impacts of climate change on ecosystems and human health to inform policy and public understanding.



Climate Change

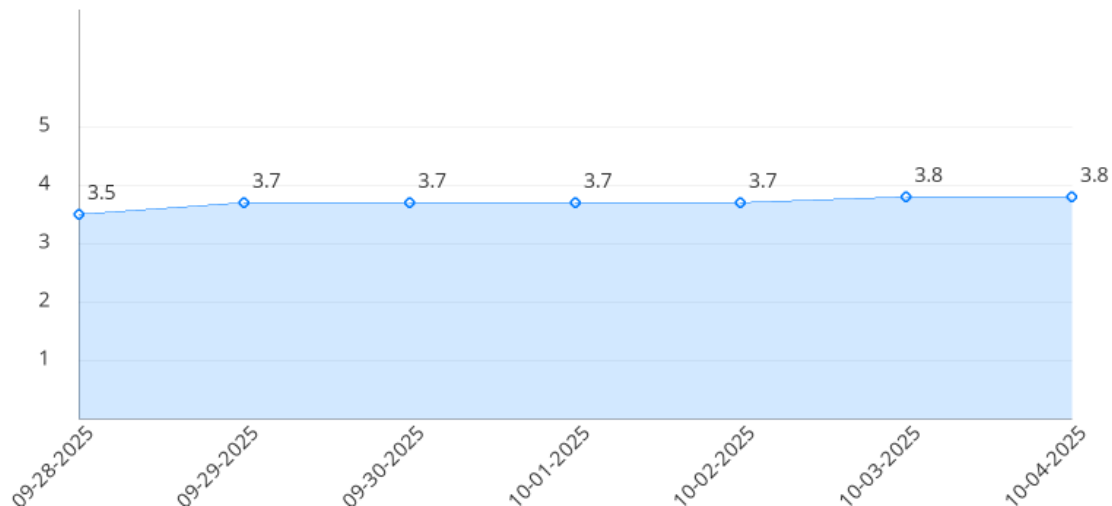
Relevant Articles

<i>Wildfires in Western U.S. Play a...</i>	[September 28]	- Read article
<i>Climate change could slash globa...</i>	[September 28]	- Read article
<i>Amazon rainforest trees are resi...</i>	[September 28]	- Read article
<i>Trump administration pulls clima...</i>	[September 28]	- Read article
<i>Trump officials urged to boycott...</i>	[September 28]	- Read article
<i>Article Energy Dept. adds 'cli...</i>	[September 29]	- Read article
<i>Wildfires in Western U.S. Play a...</i>	[September 29]	- Read article
<i>Is hurricane season in Los Cabos...</i>	[September 29]	- Read article
<i>Hidden Costs of Climate Change F...</i>	[September 29]	- Read article
<i>Will Labour's climate plan survi...</i>	[September 29]	- Read article
<i>Western whitebark pine could los...</i>	[September 30]	- Read article
<i>Tragedy of the horizons a decade...</i>	[September 30]	- Read article
<i>Wildland Fires in Arctic Are Del...</i>	[September 30]	- Read article
<i>Five Countries That May Disappea...</i>	[September 30]	- Read article
<i>E&E News: DOE adds 'climate chan...</i>	[September 30]	- Read article
<i>Food prices are subject to effec...</i>	[October 1]	- Read article
<i>South Korean fruit production at...</i>	[October 1]	- Read article
<i>Why China's New Emissions Target...</i>	[October 1]	- Read article
<i>How climate change impacts healt...</i>	[October 1]	- Read article
<i>Wildfires and dried wetlands in ...</i>	[October 1]	- Read article
<i>Tornado season 2025: active thro...</i>	[October 2]	- Read article
<i>Disasters caused over \$131 billi...</i>	[October 2]	- Read article
<i>'A reckless decision': Conservat...</i>	[October 2]	- Read article
<i>Home Insurance Premiums Jump 9.3...</i>	[October 2]	- Read article
<i>Unchecked climate change could e...</i>	[October 2]	- Read article
<i>Global farm productivity growth ...</i>	[October 3]	- Read article
<i>Wildfire-smoke-related deaths in...</i>	[October 3]	- Read article
<i>Climate change is threatening al...</i>	[October 3]	- Read article
<i>Focus - The exodos of oasis dwel...</i>	[October 3]	- Read article
<i>Kemi Badenoch vows to repeal Cli...</i>	[October 3]	- Read article
<i>North Dakota environmental agenc...</i>	[October 4]	- Read article
<i>Climate change threatening the e...</i>	[October 4]	- Read article
<i>Climate change made damage from ...</i>	[October 4]	- Read article
<i>Wildfire-smoke-related deaths in...</i>	[October 4]	- Read article
<i>Canada PM Mark Carney's Shift Fr...</i>	[October 4]	- Read article

Pandemics



Score Trend (Week of September 28–4, 2025)



This week, the pandemic risk remains moderate, driven by ongoing outbreaks of COVID-19, avian flu, MERS, and measles. The persistence of misinformation and vaccine hesitancy continues to challenge public health efforts, while access to vaccines remains uneven. Public health responses are also facing difficulties due to emerging infectious disease threats and the need for improved communication strategies. The overall risk score has slightly increased, reflecting the compounded impact of these factors. Efforts to enhance surveillance, improve vaccine uptake, and strengthen public health communication are crucial to managing these challenges effectively.



Pandemics

Recommended Risk Reduction Actions

- **[Government]** Enhance surveillance and reporting systems to ensure early detection and response to infectious disease outbreaks.
- **[Public Health Agencies]** Strengthen communication strategies to combat misinformation and improve public trust in vaccines.
- **[NGO]** Facilitate community-based health education programs to increase awareness and resilience against infectious diseases.
- **[Industry]** Accelerate research and development of universal vaccines to provide broader protection against multiple pathogens.
- **[International Organizations]** Support global cooperation in vaccine distribution to address disparities and improve pandemic preparedness.



Pandemics

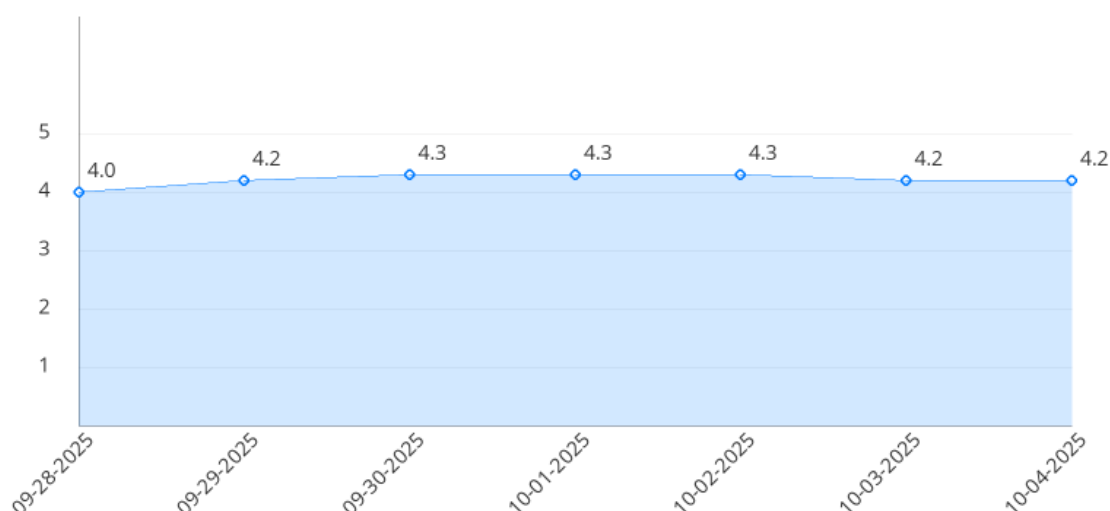
Relevant Articles

US COVID declining after reachin... [September 28] – [Read article](#)
CDC advisers weaken COVID vaccin... [September 28] – [Read article](#)
Cambodia announces 15th human H5... [September 28] – [Read article](#)
Saudi Arabia confirms 9 MERS cas... [September 28] – [Read article](#)
WHO notes 4 new MERS cases, 2 fa... [September 28] – [Read article](#)
Infectious disease specialists l... [September 29] – [Read article](#)
CDC advisers weaken COVID vaccin... [September 29] – [Read article](#)
US COVID activity gains more steam [September 29] – [Read article](#)
H5N1 avian flu strikes South Dak... [September 29] – [Read article](#)
Cambodia announces 15th human H5... [September 29] – [Read article](#)
COVID vaccine myth-busting can w... [September 29] – [Read article](#)
US COVID declining after reachin... [September 30] – [Read article](#)
CDC advisers weaken COVID vaccin... [September 30] – [Read article](#)
Cambodia announces 15th human H5... [September 30] – [Read article](#)
Saudi Arabia confirms 9 MERS cas... [September 30] – [Read article](#)
Ebola vaccine arrives in DR Cong... [September 30] – [Read article](#)
US COVID declining after reachin... [October 1] – [Read article](#)
Universal COVID vaccination save... [October 1] – [Read article](#)
Quick takes: More flu deaths in ... [October 1] – [Read article](#)
Saudi Arabia confirms 9 MERS cas... [October 1] – [Read article](#)
Listeria outbreak possibly linke... [October 1] – [Read article](#)
COVID vaccines may have averted ... [October 2] – [Read article](#)
CDC advisers weaken COVID vaccin... [October 2] – [Read article](#)
Quick takes: More flu deaths in ... [October 2] – [Read article](#)
Cambodia announces 15th human H5... [October 2] – [Read article](#)
Saudi Arabia confirms 9 MERS cas... [October 2] – [Read article](#)
COVID-19 infection associated wi... [October 3] – [Read article](#)
Poll shows Americans view COVID-... [October 3] – [Read article](#)
Universal COVID vaccination save... [October 3] – [Read article](#)
Quick takes: More flu deaths in ... [October 3] – [Read article](#)
Cambodia announces 15th human H5... [October 3] – [Read article](#)
Oman confirms MERS in 60-year-ol... [October 3] – [Read article](#)
Canada reports first death linke... [October 3] – [Read article](#)
Confirmed measles outbreak plagu... [October 3] – [Read article](#)
Poll shows Americans view COVID-... [October 4] – [Read article](#)
Northeast states form alliance t... [October 4] – [Read article](#)
Quick takes: More flu deaths in ... [October 4] – [Read article](#)
Cambodia announces 15th human H5... [October 4] – [Read article](#)
South Carolina officials confirm... [October 4] – [Read article](#)



Information Integrity

Score Trend (Week of September 28–4, 2025)



This week, the global threat level from misinformation remains consistently high, with a particular emphasis on political disinformation, AI-generated deepfakes, and climate-related falsehoods. The persistence of these issues is compounded by the use of sophisticated AI technologies to create and disseminate misleading content, often involving prominent figures such as Donald Trump. The trend highlights the ongoing challenge of combating misinformation across digital platforms, which are increasingly being exploited for geopolitical narratives and targeted misinformation campaigns. Despite efforts to address these challenges, the sophistication and reach of AI-generated content continue to pose significant risks to information integrity worldwide.



Information Integrity

Recommended Risk Reduction Actions

- **[Government]** Implement stricter regulations and penalties for the creation and distribution of AI-generated deepfakes and political disinformation.
- **[Industry]** Enhance AI moderation tools and algorithms to better detect and flag misleading content, particularly focusing on deepfakes and political misinformation.
- **[NGO]** Collaborate with international organizations to monitor and combat misinformation campaigns, focusing on those with cross-border impacts.
- **[Education]** Integrate media literacy programs into school curricula to equip students with skills to critically evaluate information and recognize misinformation.
- **[Public Sector]** Launch public awareness campaigns to educate citizens on identifying and reporting misinformation, emphasizing the role of AI in generating false content.



Information Integrity

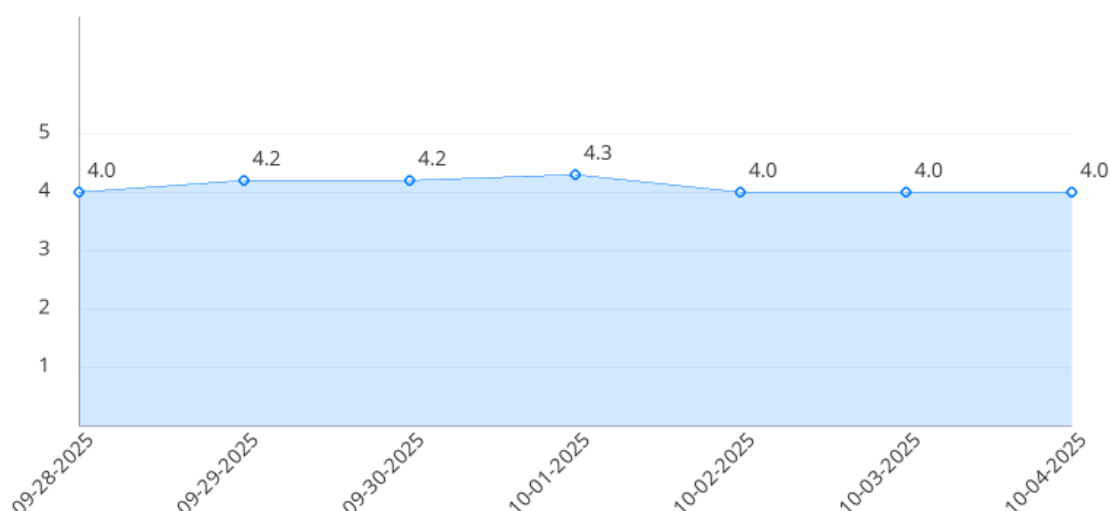
Relevant Articles

Human bias and AI systems create... [September 29] – [Read article](#)
Misinformation derails Pakistan’... [September 29] – [Read article](#)
Russia and Hungary Launch Disinf... [September 29] – [Read article](#)
Donald Trump Posts Fake Video Of... [September 29] – [Read article](#)
Misinformation’s viral drift - N... [September 29] – [Read article](#)
Yes, AI-generated video of Trump... [September 30] – [Read article](#)
Trump posts racist, AI-generated... [September 30] – [Read article](#)
Trump's unhinged, fake AI video ... [September 30] – [Read article](#)
Trump Shares AI Deep-Fake Video ... [September 30] – [Read article](#)
Trump Just Promoted One of the N... [September 30] – [Read article](#)
Trump posted AI-generated video ... [October 1] – [Read article](#)
Trump Doubles Down on Fake AI Vi... [October 1] – [Read article](#)
Trump posts deepfake video of Je... [October 1] – [Read article](#)
Trump posts “disgusting” fake vi... [October 1] – [Read article](#)
Elon Musk and Right-Wing Influen... [October 1] – [Read article](#)
Disparities by design: Toward a ... [October 2] – [Read article](#)
Authorities undertaking climate ... [October 2] – [Read article](#)
Hakeem Jeffries called Trump’s d... [October 2] – [Read article](#)
Reader survey shows AI-driven mi... [October 2] – [Read article](#)
Trump primary source of US disin... [October 2] – [Read article](#)
Fact-check: Trump misleads about... [October 4] – [Read article](#)
Gendered disinformation as viole... [October 4] – [Read article](#)
Man charged after creating fake ... [October 4] – [Read article](#)
Is AI e-fooling us all? Most can... [October 4] – [Read article](#)
Most War Disinformation Favoured... [October 4] – [Read article](#)



Unknown / Black Swan

Score Trend (Week of September 28–4, 2025)



This week, several potential Black Swan events have been highlighted, underscoring the unpredictable nature of such risks. Warnings of a possible historic market crash due to a surge in US stocks suggest financial instability. A cyber attack and bomb scare at Dublin Airport have exposed vulnerabilities in critical infrastructure, emphasizing the risk of unforeseen security threats. Additionally, the erasure of an entire village by a catastrophic event has brought attention to the potential for sudden natural disasters. Furthermore, the approach of the interstellar object 3I/ATLAS has raised concerns about unforeseen cosmic threats, as highlighted by Avi Loeb's warning to the U.N.



Unknown / Black Swan

Recommended Risk Reduction Actions

- **[Government]** Conduct stress tests on financial institutions to evaluate their resilience against potential market crashes.
- **[Industry]** Enhance cybersecurity measures and emergency response protocols at critical infrastructure sites.
- **[NGO]** Provide support and resources for displaced communities to aid in recovery and rebuilding efforts following natural disasters.
- **[International Organizations]** Facilitate global collaboration to improve early warning systems for natural disasters and cosmic threats.
- **[Public]** Raise awareness about the potential risks of unexpected natural disasters and cosmic events, promoting preparedness strategies.



Unknown / Black Swan

Relevant Articles

- A 'black-swan event': The behind...* [September 29] - [Read article](#)
- Residents forced to flee as enti...* [September 30] - [Read article](#)
- Residents forced to flee as enti...* [October 1] - [Read article](#)
- Shutdown Forces NASA Furloughs W...* [October 3] - [Read article](#)
- Shutdown Forces NASA Furloughs W...* [October 4] - [Read article](#)

Week in Review: September 28–4, 2025



This week, existential risk trends across various domains show a mix of elevated and moderate threat levels. In the nuclear domain, tensions remain high due to geopolitical developments and the potential weaponization of space, with limited diplomatic progress. Artificial intelligence continues to present moderate risks, driven by rapid advancements and regulatory challenges, while legislative actions indicate growing awareness of AI safety. Climate change maintains a high threat level, exacerbated by extreme weather and policy hurdles, highlighting the need for coordinated global action. Pandemic risks are moderate, with ongoing outbreaks and vaccine hesitancy posing challenges to public health efforts. Information integrity is under significant pressure from sophisticated misinformation campaigns, particularly involving AI technologies. Meanwhile, potential Black Swan events, such as financial instability and unforeseen natural disasters, underscore the unpredictability of certain risks, emphasizing the need for vigilance across all sectors.



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.