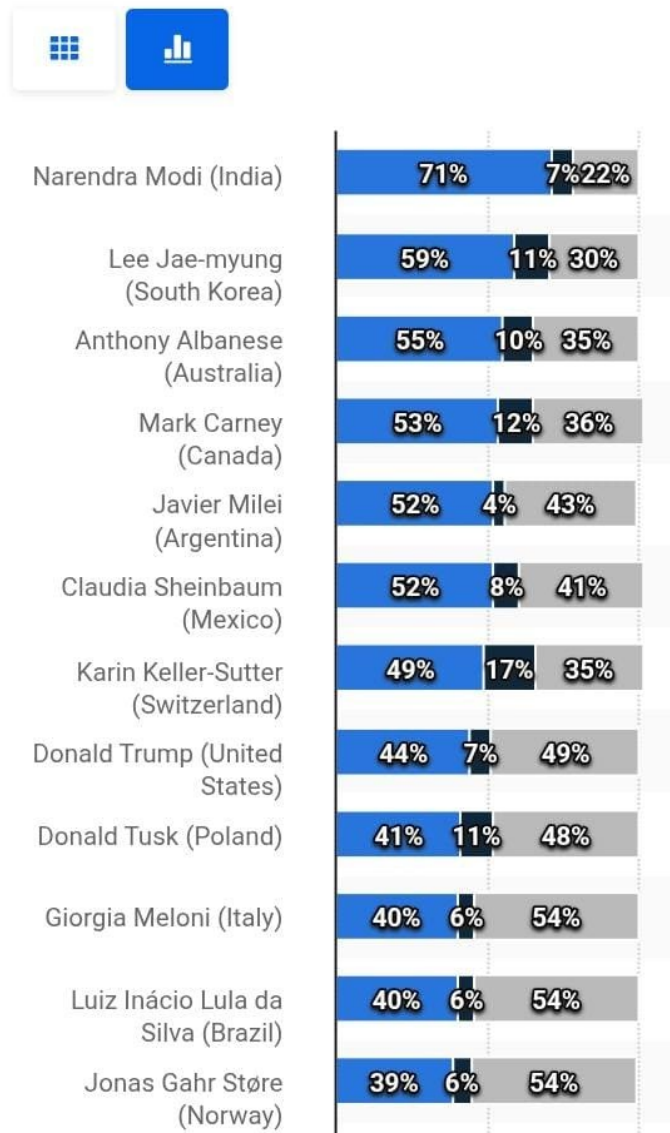


Current News 2025-26

Grade - 6

Approval ratings of selected world leaders as of September 2025



2025 REPORT

Global powers and world leaders

Trust in global powers

Since US President Donald Trump was inaugurated in January, he has upended longstanding assumptions about the United States' power and place in the world, its involvement in global institutions, and its approach to its allies and partners.

In this context, Australians' trust in the United States to act responsibly in the world fell by 20 points, with only 36% of the public expressing any level of trust — a new low in two decades of Lowy Institute polling. Correspondingly, almost two-thirds of the public (64%) say they hold 'not very much' trust (32%) or no trust 'at all' (32%) in the United States to act responsibly.

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On this question, trust towards the United States among older Australians fell dramatically (by 30 points for those aged 45 and over) while trust among younger Australians was already relatively low and fell by a smaller margin (by ten points for those aged 18 to 44).

Medical updates in 2025 include **advances in nanomedicine for cancer treatment**, the use of **artificial intelligence in healthcare**, a refined **understanding of hormonal influences on cancer**, improved DNA sequencing to uncover mutations, and an increased focus on **genomics-driven prevention and personalized care**. Key clinical updates also include potential changes to the ACC/AHA guidelines for acute coronary syndromes and a new update to the guidelines for HIV during pregnancy. 

New Medical Research & Trends

- **Nanomedicine and Immunotherapy:**
Nanotechnology is being explored to reprogram the immune system, helping to overcome tumor defenses and enhance cancer immunotherapy effectiveness. 
- **Genomics and Personalized Medicine:**
Advances in genomics enable personalized prevention strategies and treatments tailored to an individual's genetic makeup. 

- **AI in Healthcare:** Artificial intelligence is increasingly used in diagnosis, treatment, and managing patient care, improving efficiency and precision. [🔗](#)
- **Aging and Disease:** Researchers are refining DNA sequencing tools to identify hidden mutations linked to aging and cancer, and new research shows a rise in harmful genetic changes in sperm with age. [🔗](#)
- **Hormonal and Exercise Impact:** New research investigates how hormones influence cancer development, while also confirming that exercise strengthens the immune system for better defense. [🔗](#)

Clinical Updates & Guidelines

- **ACC/AHA Guidelines:** A major update to the American College of Cardiology/American Heart Association guidelines for acute coronary syndromes was expected in the first half of 2025. [🔗](#)

Broader Healthcare Trends

- **Integrated Care:** There's a strong emphasis on holistic care that addresses both physical and mental well-being. 
- **Accessibility:** Technology is making health information and medical services more accessible. 
- **Data and Insights:** Reports highlight the ongoing importance of gathering data to understand healthcare trends, such as those in the [2025 ZS Future of Health Report](#). 

Public Health Concerns

- **Measles Outbreaks:** Reports in 2025 highlighted ongoing and potential outbreaks of measles in various regions, raising concerns about maintaining measles elimination status. 
- **Sports Betting Health Costs:** Concerns are emerging about the negative health consequences of expanded sports betting, including links to gambling addiction, mental health issues, and increased alcohol consumption. 



**HEART
WATER**



Why You Should Say No to Plastic

Plastic is convenient, and it is cheap. It is no wonder that the majority of manufacturing and packaging for most consumer goods are based around or using plastics. But is this where many of the benefits end. Plastic is not only environmentally harmful to manufacture and dispose of, but it also takes a toll on your health, and it takes an incredibly long time to degrade in a natural environment. Many of these plastics also make their way into the food chains of many animals, some that we also eventually consume.

Plastic is an incredibly dangerous threat to our environment at this time. People are consuming plastic more than ever before, leading to more plastic waste, more manufacturing demand, and a more toxic place for wildlife to exist.

Once the oil is pumped out of the underground oilfield, it must be transported. This is done in many different ways. Sometimes it is put in barrels and shipped across the oceans in ships that can leak or spill. Other times it is pumped in gigantic pipelines across entire nations. Pipelines leak and poison groundwater, and sometimes encroach upon sovereign native land. Large companies that need plastic don't care about any of this, as long as the supply doesn't stop and demand stays level or increases.

Plastic bottles are one of the ways plastic is used in packaging that is the most dangerous. There are nearly 500,000,000,000 plastic water bottles made every year, with nearly one million sold every single minute of every single day. This leads to an incredible amount of plastic waste, with a tiny percentage of bottles ever being recycled.

This plastic is being dumped in our oceans faster than it can ever be broken down. Each year about **8 million tons of new plastic** waste enter our planet's waters. Many researchers estimate that by the year 2050, there will be one end of a plastic bottle per living fish in our oceans.



Cybersecurity is the practice of protecting computer systems, networks, programs, and data from digital attacks, damage, or unauthorized access. It involves a combination of technologies, processes, and human behaviors to safeguard confidentiality, integrity, and availability of information, and is crucial for both individuals and organizations in our increasingly connected world. [🔗](#)

Key Aspects of Cybersecurity

- **Technologies:** This includes firewalls, antivirus software, anti-malware, and tools for threat detection and response. [🔗](#)
- **Processes:** These are the established protocols and policies for managing risks, such as vulnerability assessments, security monitoring, and incident response plans. [🔗](#)
- **Human Element:** People play a vital role by following best practices, using strong passwords, being cautious with suspicious emails and attachments, and adhering to security awareness training. [🔗](#)

Why Cybersecurity Is Important

- **Protecting Sensitive Information:** It safeguards personal data, financial information, and other sensitive data from theft or misuse. 
- **Ensuring Business Continuity:** For organizations, cybersecurity prevents service disruptions, financial losses, and damage to reputation caused by cyberattacks. 
- **Maintaining Critical Infrastructure:** It helps secure essential national infrastructure, such as power grids and healthcare systems, that rely on digital technologies. 
- **Supporting Emerging Technologies:** It provides a secure environment for deploying and benefiting from innovative technologies like cloud computing and AI. 

Planning for 2026 cybersecurity involves addressing threats from advanced AI-driven attacks, quantum computing, and expanding supply chain risks through a focus on resilience, AI-driven detection, enhanced workforce training, regulatory alignment, and proactive management of third-party risks. Key strategies include increased investment in AI, implementing Zero Trust architecture, preparing for quantum-safe encryption, and establishing robust incident response plans to adapt to an evolving threat landscape. [🔗](#)

Key Planning Areas

- **AI and Emerging Technologies:** Utilize AI for threat detection and response, but also prepare for AI-powered cyberattacks. Plan for the long-term implications of quantum computing and the need for quantum-safe encryption. [🔗](#)
- **Workforce Development:** Implement enhanced, role-based training programs to improve human awareness and build specialized skills for both Blue Team (defensive) and Red Team (offensive) roles. [🔗](#)
- **Regulatory Compliance:** Ensure alignment with emerging cybersecurity regulations and standards, such as NIST CSF 2.0. [🔗](#)
- **Cloud and Data Security:** Strengthen governance for cloud security and implement robust data mapping and retention practices. [🔗](#)