



## **NC Department of Health and Human Services Privacy and Security Office**

August 14th, 2025

## **The DHHS Privacy and Security Office**

- The Privacy and Security Office (PSO) provides privacy and security information for The NC Department and (NCDHHS). The PSO safeguards information from unauthorized use, disclosure, modification, damage or loss.
- The PSO provides consulting services around Privacy and Security, Business Continuity Planning (BCP), Continuity of Operations (COO), Disaster Recovery (DR), Forensic Investigations, Privacy and Security Policies, Incident Management, Risk and Threat Management.
- The PSO serves as the liaison between various Federal and State Agencies.
- The PSO is responsible for conducting annual reviews based on Federal and State requirements.

## General Updates – Microsoft SharePoint Vulnerabilities

- On July 19, 2025, Microsoft Security Response Center (MSRC) published a blog addressing CVE-2025-49706, a spoofing vulnerability, and CVE-2025-49704, a remote code execution vulnerability.
- The vulnerability also could allow hackers to access services connected to SharePoint, including OneDrive and Teams.
- These vulnerabilities affect on-premises SharePoint servers only and do not affect SharePoint Online in Microsoft 365.
- Microsoft has observed three (3) named nation-state actors, Linen Typhoon, Violet Typhoon, and Storm-2603 exploiting these vulnerabilities.

## General Updates – Multiple NCIDs

- Will combine some rolls where possible without security issues
- Eligibility, case not being combined
- DIT will continue to send an email every Tuesday about duplicate accounts
- People will be able to switch roles and will include audit trail that is visible to staff and managers

## General Updates – BCP and COOP

- Two (2) weeks ago there was an 8.8 magnitude earthquake off the coast of Russia.
- Triggered tsunami warnings along the West Coast of the United States which was roughly 3,400 miles from the earthquake's epicenter.
- FEMA estimated that 15 of Portland's 17 bridges would fail in a major earthquake. - *Government Technology Magazine*
- Increases in social engineering attacks across the board, and many of these attacks can require the activation of a continuity plan at some level.

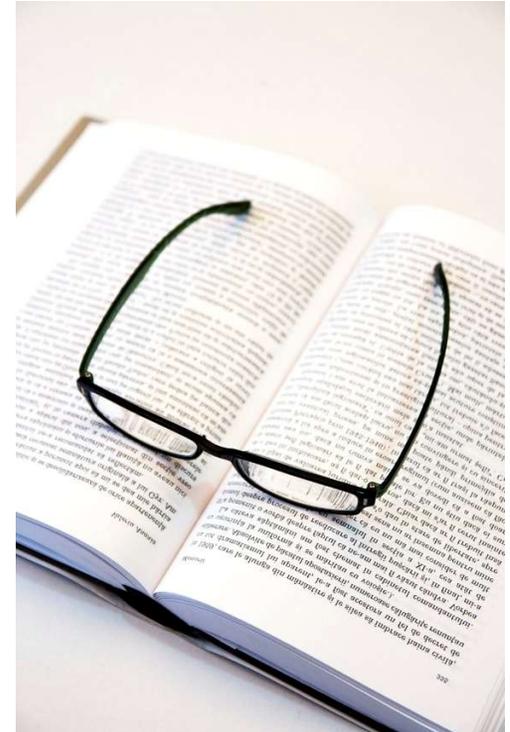
## Key Artificial Intelligence Terms in One Sentence

- **Machine learning (ML):** using data to train algorithms.
- **Neural network:** A form of ML that uses multiple, interconnected nodes to process data in collaboration.
- **Bias:** Errors in AI systems that discriminate against groups or individuals.
- **Responsible AI:** The practice of developing models and systems maintain fairness, privacy and security, transparency or explainability.
- **Generative AI:** Software that can be used to create content.
- **Large Language Model (LLM):** AI that has been trained through the analysis of vast amounts of information.
- **Small Language Model (SLM):** AI that has been trained through the analysis of focused information.

# What is Artificial Intelligence?

The theory and development of computer systems able to perform tasks that normally require human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages.

- *Oxford Languages*



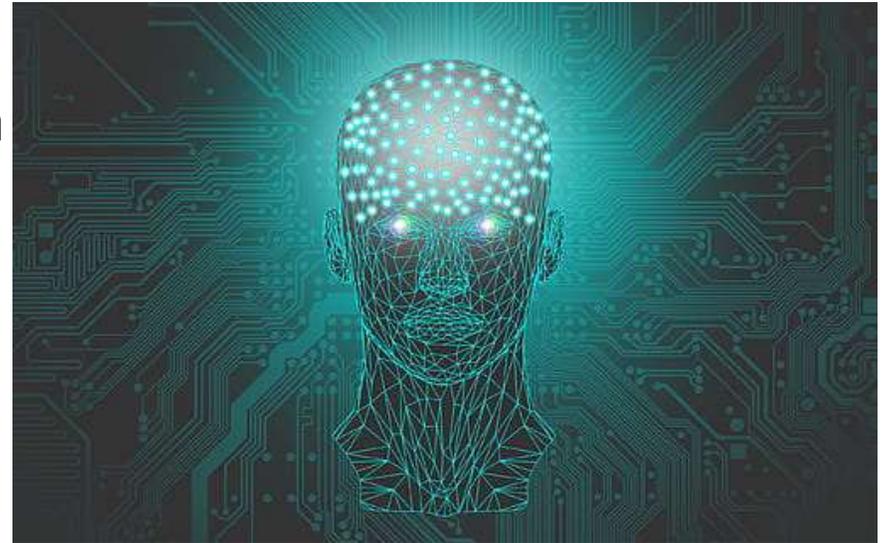
# What is Artificial Intelligence?

Artificial Intelligence is the ability of a machine or computer system to perform tasks that normally require human intelligence.

- *ChatGPT*

If you're looking for a more technical or philosophical definition, let me know — I can tailor it for different contexts (science, business, ethics, etc.).

- *ChatGPT*



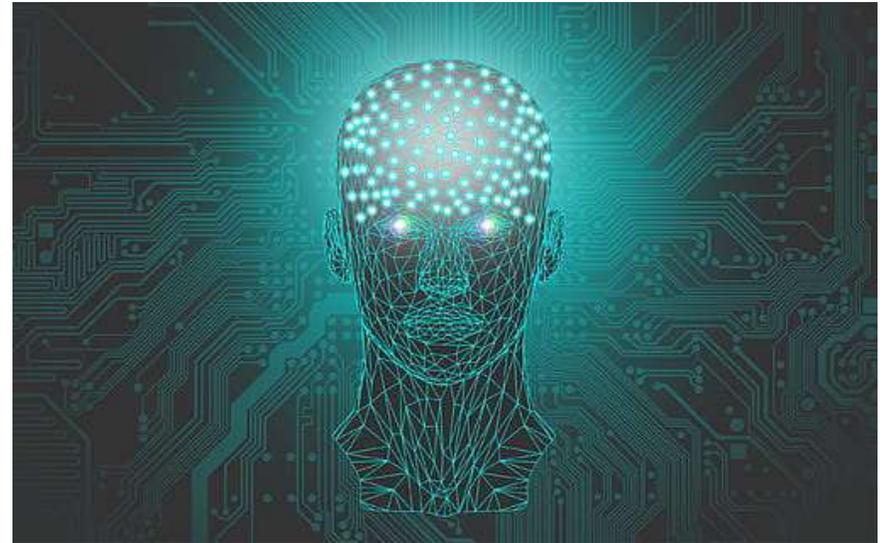
# What is Artificial Intelligence?

Artificial Intelligence is the field of inquiry concerned with the creation of non-biological systems capable of exhibiting behaviors and cognitive functions traditionally associated with human minds — such as reasoning, understanding, learning, and even creativity or self-awareness — raising questions about the nature of thought, identity, and what it means to be "intelligent."

- *ChatGPT*

Philosophically, AI isn't just about building smarter systems — it's also a mirror through which we explore our own minds.

- *ChatGPT*



## Types of Artificial Intelligence Functionality

AI can also be classified based on its functionality or the specific ways it operates and interacts with its environment.

Today's AI, generally, falls into one of two categories:

- **Reactive machine:** The most basic level of AI, they can analyze large volumes of data, but have no memory.
- **Limited memory:** Has some level memory, just not long-term, allowing for adaptable decisions based on experience; algorithms do improve over time.

## Types of Artificial Intelligence Functionality

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Two more types of AI that are possible but don't exist yet:

- **Theory of mind:** Is able to understand emotions and thought processes and then interact accordingly.
- **Self-aware:** Human-like consciousness capable of its own thoughts and emotions.

# Artificial Intelligence Adoption In Healthcare

- On December 6, 2024, HIMSS Released their Artificial Intelligence Adoption in Healthcare Report for the year.
- They polled 846 organizations based on a set of prequalifying criteria.
- Percentages show percentage respondents' workplace is currently using Artificial Intelligence for the listed function.



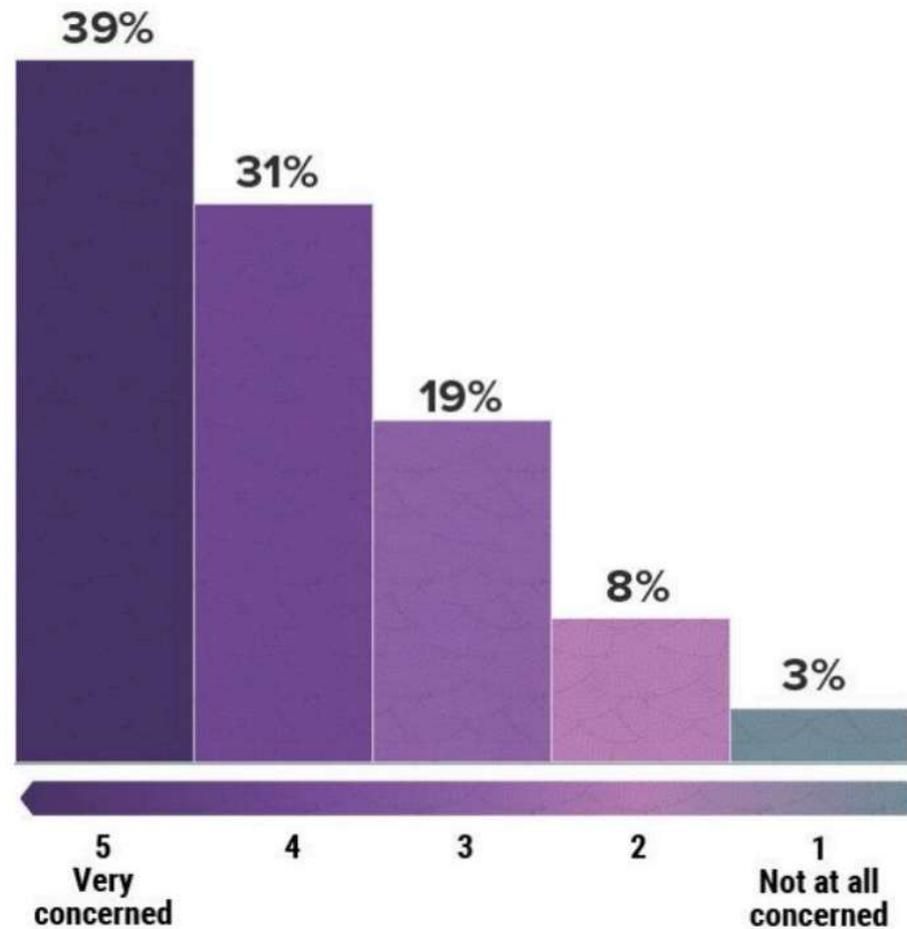
# Artificial Intelligence Adoption In Healthcare

- 50% of practicing physicians who told them they leverage Artificial Intelligence on their own to help with work.
- Percentages show share of practicing physicians who are personally using Artificial Intelligence for this function regardless of whether their workplace is or not.

Transcribing patient notes	17%
Reviewing and analyzing relevant medical literature and data	17%
Assisting in patient diagnosis	16%
Creating routine patient communications	14%
Performing patient-related recordkeeping tasks (eg, clinical notes and coding)	11%
Analyzing x-rays, CT scans, and other images	10%
Reviewing patient EHRs	9%
Creating a staff schedule	8%
Tailoring patient treatment plans	7%
Assisting in patient prognosis	6%
Performing business-related recordkeeping tasks	6%
Creating patient scheduling tasks (eg, appointments, lab tests)	6%
Predicting workforce needs	6%
Using chatbots to interact with patients	5%
Coaching physicians on improving patient care	5%
Analyzing non-imaging patient data and test results	4%
Transcribing business meetings	4%
Predicting patient census	3%
Evaluating business performance	3%
Other	4%

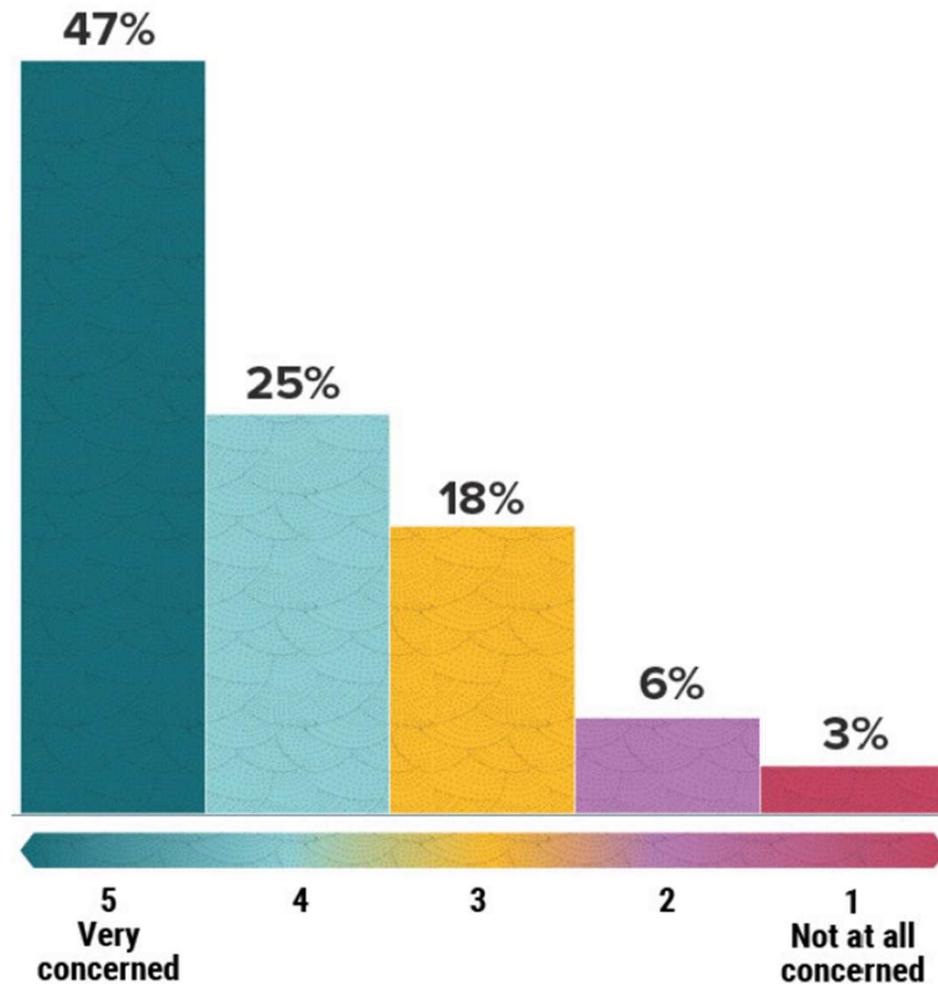
# Artificial Intelligence Adoption In Healthcare

7 in 10 Doctors Worry About Ethical Dilemmas With Artificial Intelligence



# Artificial Intelligence Adoption In Healthcare

Seventy-two percent of respondents in their survey voiced high level of concern about maintaining data privacy



# Artificial Intelligence and the Race to Adopt

Ready or not, Artificial Intelligence is here and continues to grow at a rapid pace, exceeding a threshold that ecommerce took 24 years to reach.

The US Census Bureau's latest report that tracks Artificial Intelligence adoption across 1.2 million firms in the US showed another step up in companies' use of the technology. Artificial Intelligence adoption rates rose to 9.2% in the second quarter of this year, from 7.4% in the previous three-month period and 5.7% in the December 2024 quarter.



# Artificial Intelligence and the State of NC

- The NC Department of Information Technology has developed the North Carolina State Government Responsible Use of Artificial Intelligence Framework, a living document for state agencies, designed to provide a comprehensive risk management approach to the use of AI.
- Aligned with existing privacy laws and IT policies
- Applies to both existing and new uses of all Artificial Intelligence within the State
- Adopted Seven (7) Principles for Responsible Use of Artificial Intelligence

# Artificial Intelligence and the State of NC

- 1. Human-Centered**
- 2. Transparency and Explainability**
- 3. Security and Resiliency**
- 4. Data Privacy and Governance**
- 5. Diversity, Non-Discrimination and Fairness**
- 6. Auditing and Accountability**
- 7. Workforce Empowerment**

## Whats Next on our Artificial Intelligence Roadtrip

- There is no one-size-fits-all Artificial Intelligence strategy.
- Artificial Intelligence is trained influenced by humans.
- More in-depth learning, and whatever sessions you all need.



# Questions



# Informational Slides

NC DHHS Privacy and Security Policies :

<https://policies.ncdhhs.gov/departmental/policies-manuals/section-viii-privacy-and-security/>

NC State Security Standards:

<https://it.nc.gov/programs/cybersecurity-risk-management/esrmo-initiatives/statewide-information-security-policies>

The DHHS Privacy and Security Awareness Hub ( Information and Training):

<https://www.ncdhhs.gov/about/administrative-offices/privacy-and-security/dhhs-privacy-and-security-awareness-hub>

DIT Artificial Intelligence Resource Page:

<https://it.nc.gov/resources/artificial-intelligence>

Next Meeting Planned for September 11, 2025