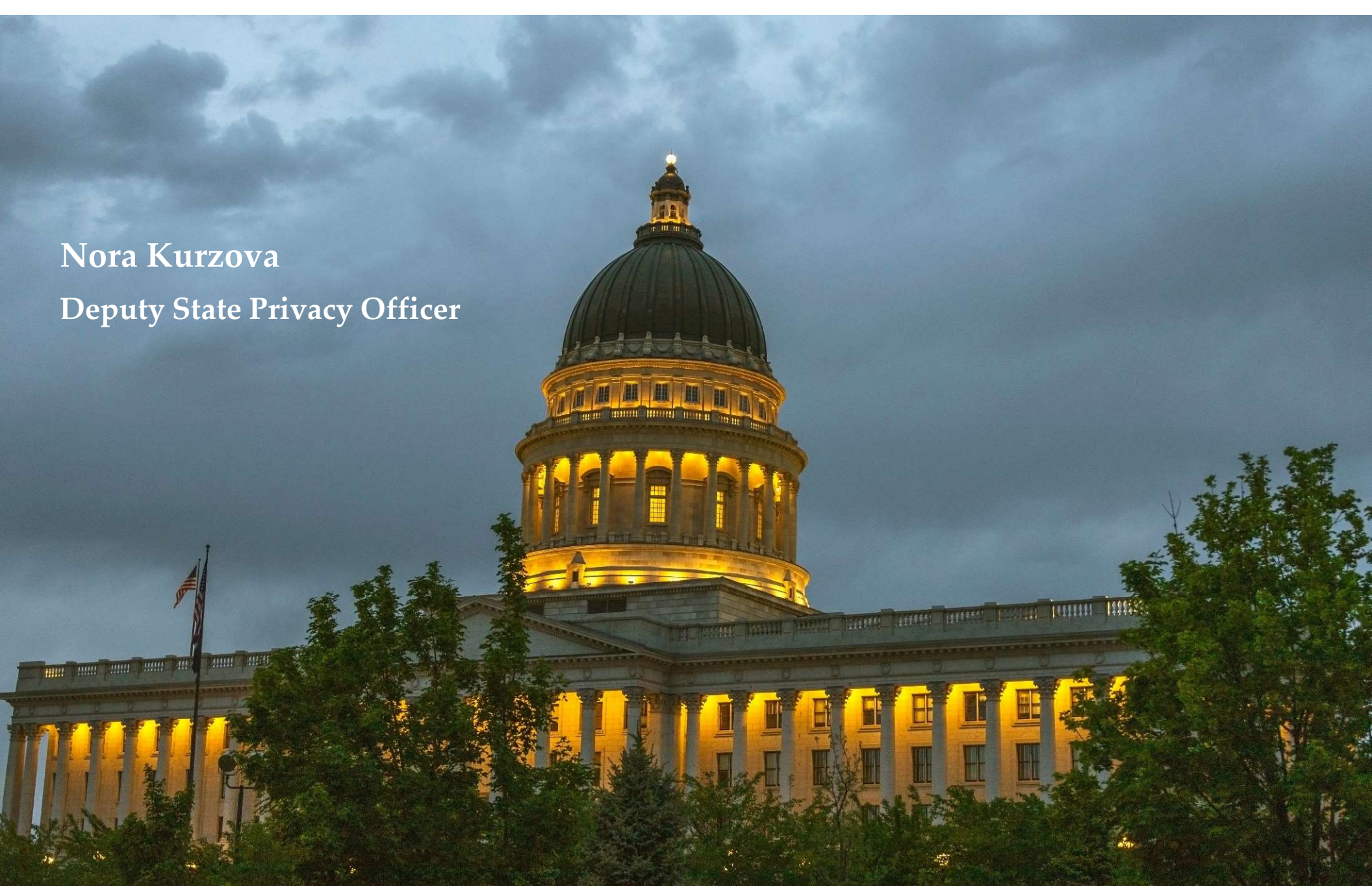


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Deputy State Privacy Officer



OFFICE OF THE
STATE AUDITOR

This document is for educational purposes only

Privacy Impact Assessments (PIA)

- Currently we have **37** PIAs in the pipeline.

Focus:

- Use of Sensitive Data
- Law Enforcement
- Healthcare
- Use of AI



Training Activities - past 30 days

- Spanish Fork (Oct 24-25)
 - Entire workforce
 - ULEAP (Oct 29-30)
 - UASD (Nov 6 - 7)
 - LEADS (Nov 7)
 - Summit County (Nov 6)
 - Springville (Nov 12 – 13)
 - Entire workforce
- + SPO Privacy Academy
(Tuesdays Oct 15 – Dec 3)



AI in Healthcare: Outperforming Human Diagnosis

- Enhanced Diagnostic Accuracy:
 - A deep learning convolutional neural network (CNN) achieved a melanoma detection accuracy of 95%, surpassing the 86.6% accuracy of 58 experienced dermatologists across 17 countries.
 - AI-assisted lung cancer screening detected 700 nodules with a sensitivity of 86.2%, outperforming radiologists' sensitivity of 79.2%.
- Key Takeaway:
 - AI systems show higher diagnostic accuracy, reducing the risk of human error and enabling faster, more consistent healthcare decisions.
- Next Steps:
 - Continue to benchmark AI performance against clinical standards.
 - Validate AI solutions using real-world data for external reliability.



Privacy and Ethical Considerations in AI-Driven Healthcare

- Upcoming PIA of U of U Research:
 - A comprehensive Privacy Impact Assessment (PIA) for U of U's upcoming AI research projects.
 - Aim: Support the development of an AI Use Policy and ensure robust privacy protections for patient data.
- Promoting “Opt-In” for Patient Data:
 - Encourage patients to opt-in for research, enhancing transparency and trust.
 - Evaluate the current anonymization and de-identification standards to ensure compliance with privacy regulations.

