Project	Investment of Security Funds	Performance Objective	Performance Indicators	Target Outcomes	Reported Outcomes
Next-Gen Firewall	Percentage of grant invested in supporting this project: 1%	firewall	To protect network using modern security standards enabling compliance with cyber security requirements and third-party service provider requirements	Increased security of network	
Informatics Security	invested in supporting this project: 2%	through rigorous systems review and mitigation	Oversight of system providing actionable information as to the specific risk, potential resolution and affected systems	Increased network security	
Imaging Database	invested in supporting this project: 2%	security measures to support medical	Providing additional security to protocol review of the medical imaging research data inclusive of MRI, CT/PET and EEG	To ensure that research data are securely transferred between source and database systems, in compliance with security requirements and complete system validation	
Optimization of	invested in supporting this project: 1%		To integrate the research network infrastructure into the hospital's overall technical infrastructure	Increased security by adopting cybersecurity best practices	
Awareness of	invested in supporting this		To discover privacy weaknesses in research networks and to educate stakeholders in best practices.	The development of standardized best practices to mitigate risk	

Cyber security	invested in supporting this project: 13%	To roll out a new cyber security policy as well as ensure cyber security principles are included in data management strategies	Prepare staff to respond to security incidents, apply security patches, managing server security tools, administering the research firewall in conjunction with organization firewalls, performing network security scans	To limit security breaches and develop better procedures for response	
Sinai: Enhancing and Upgrading of Sinai Health's research cyber security	Percentage of grant invested in supporting this project: 5%	Renewal of LTRI antiviral programs	Installation of Veeam backup	Implementation of all project elements in expected timeframe	
Cybersecurity	Percentage of grant invested in supporting this project: 6%	Installation of Crowdstrike on Linux and specialized equipment machines	Proactively assessing vulnerabilities of potential cyber threats on critical research systems as well as REDCap environment	Implementation of all project elements in expected timeframe	
	Percentage of grant invested in supporting this project: <1%	To ensure all contracts and agreements meet with all security and privacy requirements	To address research related operational issues and risks presented by the organizations research engagement activities	Increased network security	
Trillium: Institutional Research Data	invested in supporting this project: <1%	To create systems and processes for researchers providing guidelines to ensure best practices	To develop RDM strategies and Data management plans to identify security gaps in institutional data sources	To limit security breaches and develop better procedures for response	
RCR/Integrity Framework and Practice Change	,	through education and culture	To plan engagement sessions to identify privacy gaps and target areas of high risk	Increased network security	
Partnership Security				Greater stakeholder engagement in the development of principles and best practices in international collaborations.	

operations	invested in supporting this project: <1%	time enterprise management system To manage security risk for	Increased security across research operations and innovation projects To maintain the security of AWS cloud environment	To complete project within anticipated timelines To complete project within anticipated timelines	
Development	project: <1%				
Trillium: Update and revalidation of all Legal, Liability, Privacy and Security Templates and Standard Provision documents	invested in supporting this	agreement and contract templates to meet new legal, risk and privacy requirements	To review and update all our legal and liability tools, standard provisions, advice repository and supporting documents to ensure that they align with changing business, regulatory, operational and security and privacy requirements	To complete project within anticipated timelines	
UHN: Implementing Beyond Trust Solution	projecti o/c	Solution within the UHN Environment as the	To allow better control and access by privileged account users to our environment which runs the Research enterprise	To complete project within anticipated timelines	
UHN: Implementing CrowdStrike as the EndPoint Security Solution	Percentage of grant invested in supporting this project: 3%		To provide 100% coverage of Research End User Devices and server protection	To complete project within anticipated timelines	
UHN: Implementing Vulnerability Management Solutions	Percentage of grant invested in supporting this project: 2%	To implement Bitsight, Netsparker, Tenalbe and Armis	To provide 100% coverage of the research environment	To complete project within anticipated timelines	
UHN: Implementing Security Monitoring Solutions	Percentage of grant invested in supporting this project: 2%	To implement SPLUNK Solution	To provide 100% coverage of the research environment	To complete project within anticipated timelines	

"Proof-Point" as the	invested in supporting this	solution for all research active mailboxes	This tool will protect users from dangerous emails/attachments by stopping them before they reach user inboxes	To complete project within anticipated timelines	
Network Security	Percentage of grant invested in supporting this project: 2%	To implement Forescout and Gigamon	To provide 100% coverage of the research environment	To complete project within anticipated timelines	
	invested in supporting this project: 8%	model to create a reinforced, redundant and recoverable digital environment	transparency, accountability and compliance to the ever evolving global and regional jurisdictional requirements that govern	The final deliverable will be full accounting of existing research assets, their associated vulnerabilities, possibilities for enhancements, and a roadmap to an integrated state-of-the-art digital infrastructure that meets the latest industry standards	
security gaps to	invested in supporting this project: 1%		strategies to mitigate security issues	To complete project within anticipated timelines	
0	invested in supporting this project: 15%	and augment the needs of the University's three	To pro-actively support the research, analysis, preparation, submission, review, and ongoing administration of research security plans /strategies and carry out related activities.	Hiring of Advisors	

Security Software	invested in supporting this project: 8%		To aid with research security on all research in sensitive sciences, grants, partnerships, and memoranda of understanding,	To implement software in desired timelines	
Devices for	invested in supporting this project: 4%		To develop and maintain hardware and software configurations (e.g., patching, upgrading, applying security best practices, complying with research export restrictions, etc.)	To have devices maintained and secure in desired timelines	
Information Security		Contracting three cybersecurity analysts in the Information Security Team to align departmental practices to institutional approaches to reduce risk to Canadian research by implementing protection, detection, and response cyber security controls	Aid in identifying and mitigating research security risks	Outcomes include: 1) reviewing and updating risk management plans; 2) classifying data assets; 3) detecting and remediating critical computer vulnerabilities; and 4) implementing next-generation end-point protection software	
Intensive Group	invested in supporting this	To enhance the collective security postures of institutions across Canada	To develop proof of concepts related to Advanced Detection and Response and Dark Web Monitoring	Identify and mitigate risks to research security	

•	Percentage of grant invested in supporting this project: 6%	kinds, a number of buildings are being upgraded to a higher level of access control as	Implementation will ensure a very low number of incidents of unauthorized access and/or thefts from / damage to research facilities, and a reciprocal increase is the sense of security of those who work in or around those facilities	To provide high level access control to over 60 buildings in the life cycle of the project.	
Repository using	Percentage of grant invested in supporting this project: 2%	To (1) assess the U of T Dataverse for any gaps that must be addressed to offer secure handling of level 3 and 4 research data, (2) recommend the best methods of addressing these gaps (3) produce a report detailing these findings	Assist in coordinating research security across the Dataverse in Borealis	Identify and mitigate risks to the Dataverse in the Borealis	