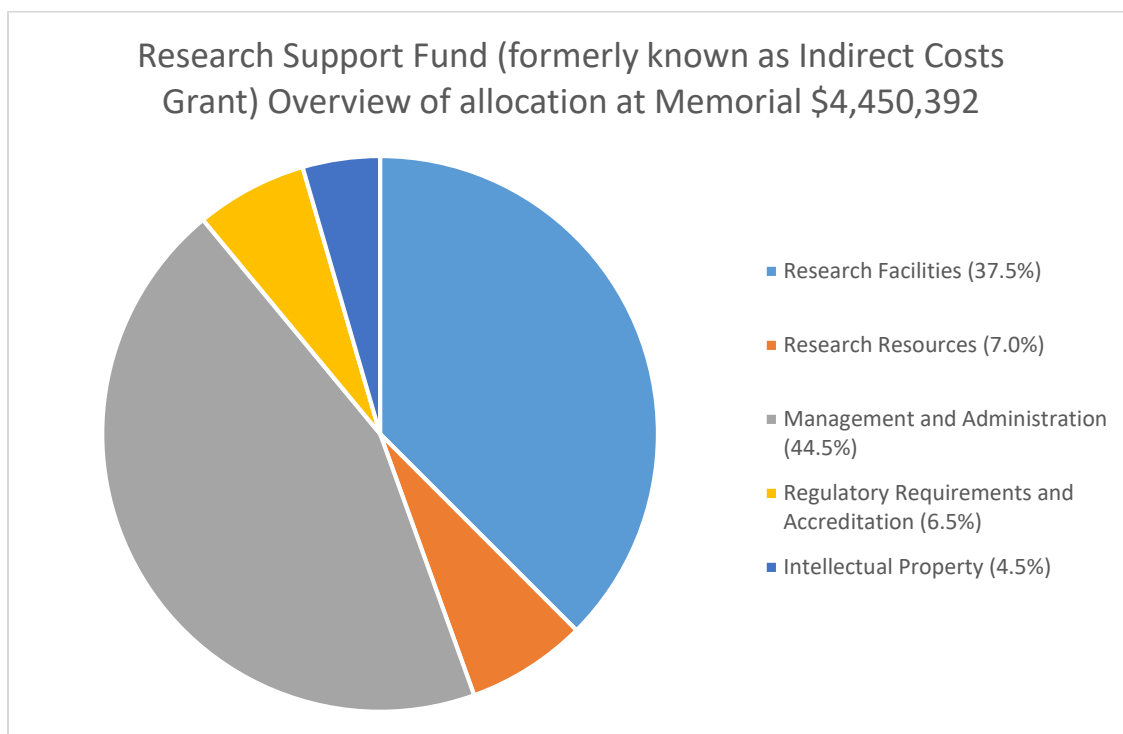


## Memorial University of Newfoundland Research Support Fund Report 2022-2023

The grant provided through the Government of Canada Research Support Fund (RSF) is essential to Memorial's research success. Funding is allocated among a variety of activities that support the research enterprise. In 2022-2023, Memorial received \$4,450,392. The distribution of this funding is outlined in the chart below.



**Memorial University of Newfoundland – Research Support Fund – 2022-23 Performance Indicators and Target Outcomes**

Eligible Program Expenditure Category	Institutional Performance Objectives	Performance Indicator	Target Outcomes	Outcomes Reported at Year-End
Research Facilities	Research data maintained through appropriate data storage capacity.	Volume of data back-up.	Research data maintained.	<p>Data storage capacity in the Information Technology Services (ITS) data centres is approximately 900TB to support storage requirements, which includes research storage. 100% of this data was backed up on a regular basis.</p> <p>Memorial's IT Governance and Collaboration Framework includes a Research IT Committee which provides input to the university's IT Governance and Collaboration Council.</p>
	Competent technical staff and appropriate facilities to maximize research support.	Provision of technical support appropriate for research needs and functional equipment.	Support meeting the needs of researchers, research support staff and graduate students.	<p>Continued investment in professional development (via virtual conferences, training seminars and in-person meetings where possible) for scientific staff within the Core Research Equipment and Instrument Training (CREAIT) Network laboratories ensures continuity of high quality/expert laboratory output along with high quality performance management for a network of sophisticated scientific equipment and instrumentation.</p> <p>Animal Care and Veterinary Resources staff work to provide support to researchers, research support staff and graduate students across three existing and two new multi-species facilities. Significant increases in new faculty, protocols and animal numbers show research success but has created challenges to support users' for procedural, surgical and operational needs.</p>

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	Research infrastructure upgrades and development.	Structural condition of buildings and laboratories.	A safe working environment.	<p>The new Animal Resource Centre operationalized three trial animal housing and experimental protocols. Full occupancy is expected in 2024. Systems testing is ongoing.</p> <p>Freshwater aquatics users initiated experimental work in the Core Science Aquatics Facility.</p> <p>Continued upgrades to existing scientific instruments and regular maintenance to ensure we minimize disruptions to research plans.</p>
Research Resources	Ensuring Memorial University's researchers and students have the essential resources available within all branches of the Library system and access to all required content not held onsite.	Collection usage data as well as document delivery metrics.	Provide efficient and effective access to all library research content required by researchers and students.	<p>Subject expert librarians of the system-wide library and archives collections invested our materials allocation to expand local and immediate access to core published research content, primary sources and Newfoundland and Labrador cultural resources. The addition of an Indigenous Archivist to the Libraries will expand our contribution to decolonization of the academy. The Digital Archives Initiative (DAI) extends the reach of our unique resources to the wider university community and beyond. New resource sharing networks that provide rapid access to millions of resources held by libraries world-wide offer enhanced access to academic scholarship and membership in North/Nord: The Canadian Shared Print Network expanded our commitments to preserve and provide access to print Canadiana.</p> <p>Memorial University Libraries continued to invest in the Research Repository to increase the visibility of research and researchers. Membership to Borealis:</p>

**Memorial University of Newfoundland – Research Support Fund – 2022-23 Performance Indicators and Target Outcomes**

				Canada's Dataverse Repository provides Memorial researchers with a repository for their research data. Librarians also consult with faculty on how to build data management plans in grant applications and work with research facility providers to help them provide services to researchers. Memorial University Libraries continues to support open access publishing for Memorial University authors through discounted and waived article processing charges (APCs) negotiated as part of journal subscription packages.
Management and Administration of Institution's Research Enterprise	Continue to increase research intensity and provide exemplary service in relation to all areas of research administration at Memorial University.	Annual metrics have been developed to track the annual progression and success of research intensity at Memorial University.	Maintain and increase research intensity.	Increased levels of Tri-Agency funding over 2021-22 levels. Overall funding levels remained high. In addition, care is being taken to monitor research "recovery" after the Covid-19 pandemic.
	Optimizing pre- and post-award services offered to Memorial's research community by Research Initiatives and Services (RIS).	Research office metrics.	Maintain or improve service levels.	Continued development of highly effective client communications and management of services through extensive consultations, feedback and change initiatives.
	Maximizing the impact of Memorial's multi-disciplinary array of laboratories and equipment through the	Metrics for the utilization of CREAT facilities.	Maintain or improve service levels.	Enhancement of CREAT research instrument system remote access and remote research data access. CREAT user numbers increased from 557 to 654 after relocation to the new Core Sciences Facility, which is on par with pre-pandemic levels.

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	<p>Core Research Equipment and Instrument Training (CREAIT) Network.</p> <p>Providing academic unit resources to assist with grants facilitation, research development, grant administration and project management.</p>	<p>Researcher engagement with grants facilitation within the units and continued professional development of research administration staff.</p>	<p>Research funding success and researcher participation rates; maintain or improve financial oversight of research.</p>	<p>The adoption of remote access is expected to further enhance the user experience going forward.</p> <p>RSF supported annual membership registrations and conference attendance for continuing education of grants facilitation officers in various faculties and schools. This included attendance at the 2023 CARA National Conference, which was held in St. John's.</p>
Regulatory Requirements and Accreditation	<p>Maintain high-quality support for ethical research and teaching through Memorial University's Ethics Boards and Animal Care Services.</p>	<p>Number of researchers and graduate students involved in human and animal research.</p>	<p>Maintain or improve service levels.</p>	<p>The Interdisciplinary Committee on Ethics in Human Research (ICEHR) received 221 new ethics applications and 118 amendment requests in the fiscal year April 1, 2022 – March 31, 2023. As well, ICEHR processed 560 annual updates, which monitor continued ethics review for compliance with the TCPS2 for the duration of a research project involving human participants. Ethics clearance was renewed for 368 projects for which data collection was ongoing and/or expected to continue, 130 clearances were closed because data collection was finished or terminated and 62 were closed after the researcher did not provide an annual update and did not respond to repeated reminders that their clearance had expired. Service levels have been maintained and workload is on par with that of the past five years.</p>

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	Maintain infrastructure, programming and staffing necessary to meet regulatory standards and to encourage excellence and innovation in research.	Proper infrastructure for and care of animals, including HVAC, housing, procedure and behavioural testing spaces. Ensuring appropriate environmental monitoring to safeguard animal wellbeing and conditions for research.	A safe, ethical research environment within Animal Care Services maintaining Canadian Council on Animal Care (CCAC) regulatory requirements.	<p>Animal use protocols number approximately 200 per year, from approximately 100 researchers and clinical teaching faculty. The Animal Care Committee conducted site visits to all areas where animals are used for research and teaching, and hosted the Canadian Council on Animal Care for Memorial's regular assessment.</p> <p>ACVR has worked closely with Facilities Management to identify solutions to heat and humidity problems at the Vivarium facility. Final solution is pending and will be in place for Spring 2024.</p>
Intellectual Property	<p>Assist Memorial University's faculty, students and staff with intellectual property protection, commercialization, industry engagement and related activities.</p> <p>Inform clients from Memorial's entrepreneurial ecosystem on intellectual property and research commercialization, and inform and guide industry on accessing expertise at Memorial.</p>	<p>Offer one-on-one meetings, sessions and workshops to the Memorial community.</p> <p>Proactively engage with entrepreneurial groups and industry.</p>	<p>Maintain or improve on service levels.</p> <p>Maintain or improve on service levels.</p>	<p>The Research Innovation Office (RIO) assisted 67 start-ups (e.g. IP advice and funding advice), hosted six workshops with entrepreneurial groups/industry and participated in 49 ecosystem partnerships and projects.</p> <p>RIO met with 109 companies and 1,345 faculty, students and staff on intellectual property, research commercialization and industry collaboration.</p>