

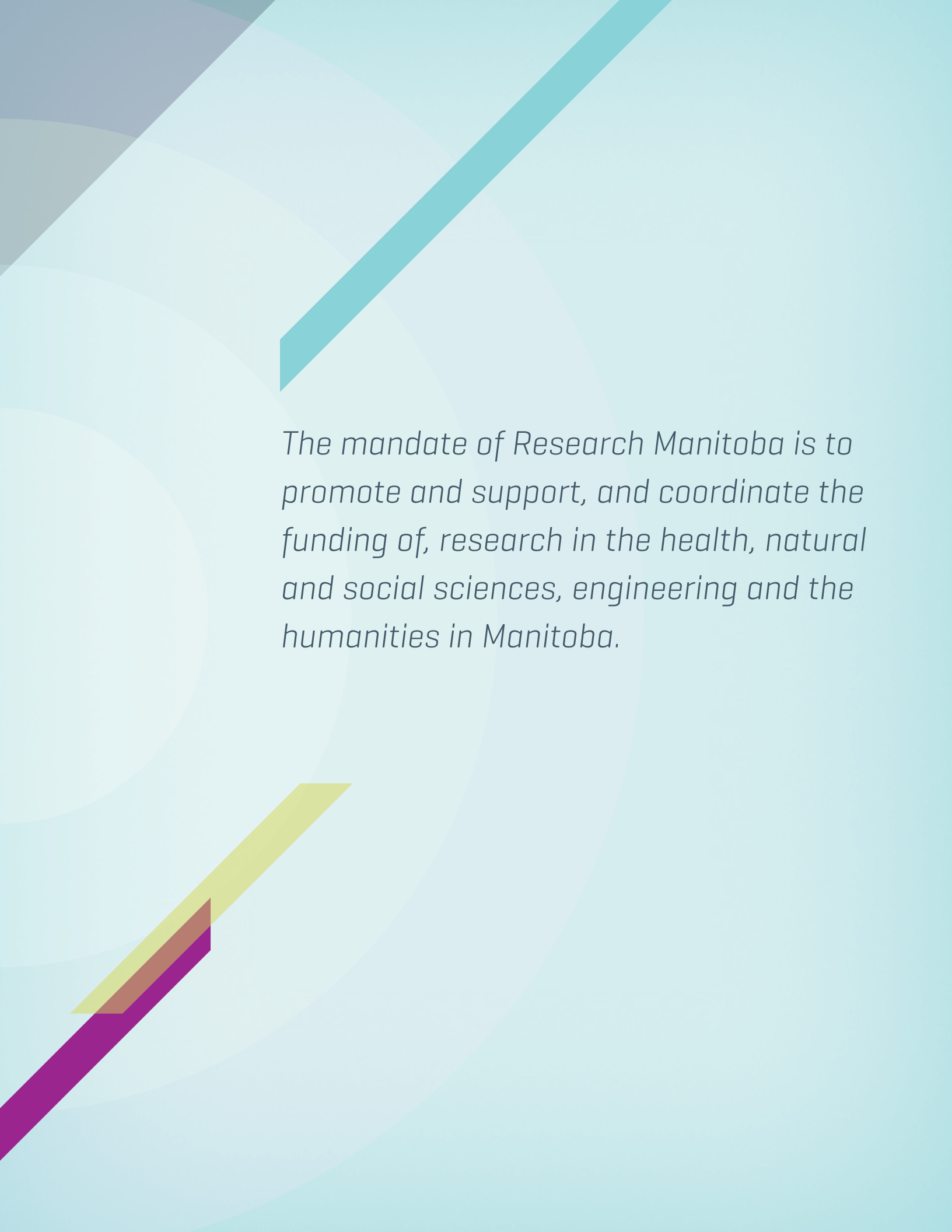
RESEARCH MANITOBA
2014 / 2015 - ANNUAL REPORT

Convergence

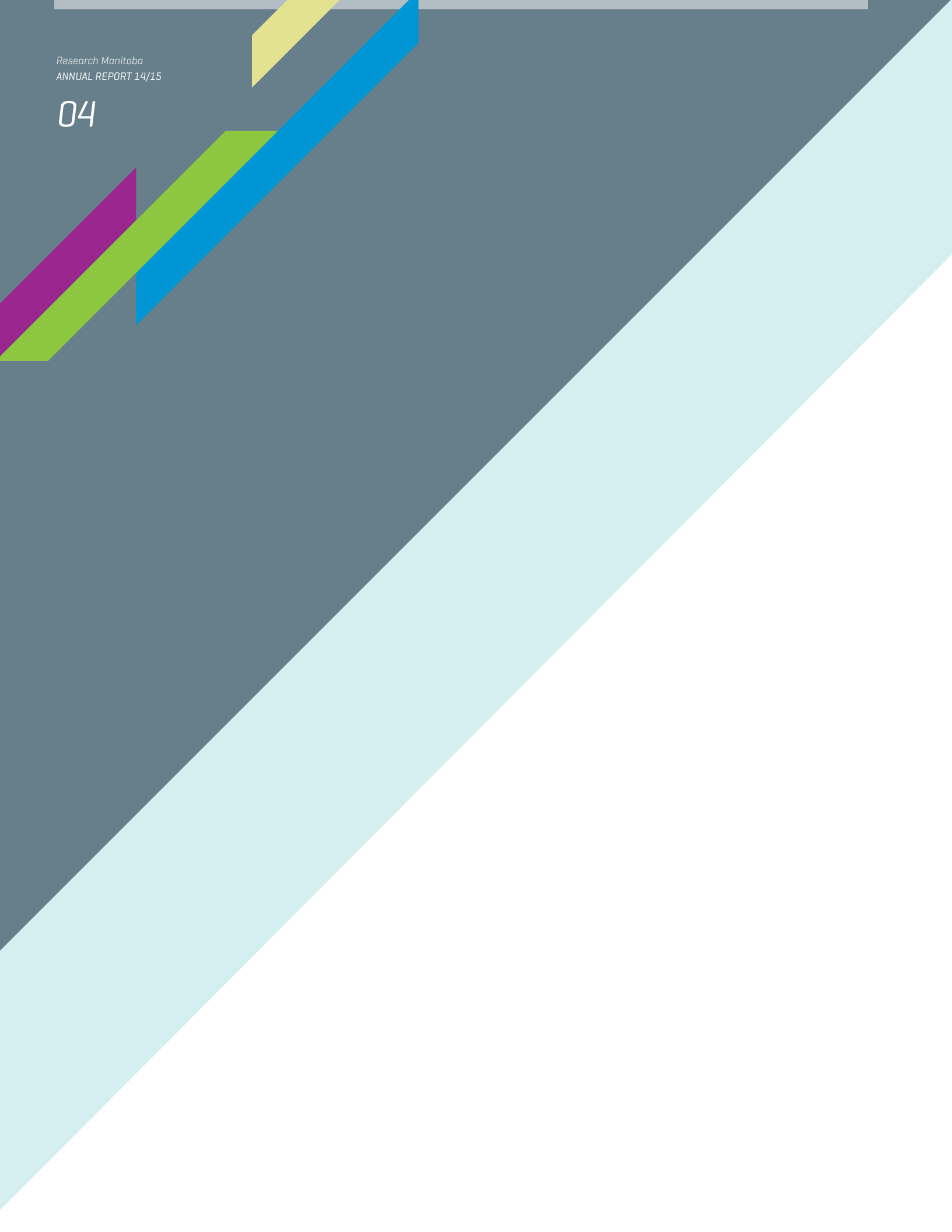


Research
Manitoba





The mandate of Research Manitoba is to promote and support, and coordinate the funding of, research in the health, natural and social sciences, engineering and the humanities in Manitoba.





Introduction



Message from the Chair

After recently celebrating three decades of funding health research in Manitoba, our organization experienced a major shift. In June 2014, the Manitoba Health Research Council became Research Manitoba and took over responsibility for the Manitoba Research and Innovation Fund (MRIF), the Health Research Initiative (HRI), and the Manitoba Centres of Excellence Fund (MCEF).

INTRODUCTION



DR. BRIAN POSTL
CHAIR

*Dean, College of Medicine and
Faculty of Health Sciences,
University of Manitoba*

With this convergence came a new mandate: to promote and support, and coordinate the funding of, research in the health, natural and social sciences, engineering and humanities in Manitoba and to continue to advise and make recommendations to the minister on matters related to the mandated areas of research.

Over the years, I continue to gain a greater appreciation of the transformation that is happening across the research community, but 2014/15 was extraordinary. Change is affecting every part of the research enterprise from large institutions to small community agencies. Over the last year, our organization piloted new programs, created new partnerships, and celebrated new recipients. Research Manitoba is evolving with changes both locally and nationally, finding new ways to foster and promote our researchers.

In the outcomes and impacts section of our report we share some of the highlights reported by project leaders for 2014 through Canadian Foundation for Innovation's Project Progress Reports. This reflects just one of our programs, yet we can see that supporting research is crucial. It is making a difference and positively affecting Canadians: researchers, patients, the public, healthcare practitioners, and policy makers.

As a Provincial funding body I would like to acknowledge and thank the Government of Manitoba. The continued support through the Department of Jobs and the Economy invests in excellence; and as champions of research and development, they are helping to establish Manitoba as a leader in innovation.

The Board continued to ensure its governance activities reflect best practice by updating our governing policies and bylaws. We began developing a provincial strategic plan in 2014 declaring: we will strive to best represent the research community; to guide the Province's investments to have the most impact; and to fulfill our advisory role, as it is one of our top priorities. We take pride in our leadership role as we have a vested interest in advancing research in our mandated areas.

This past year's successes would not have been possible without the perseverance of our Board members. I would like to thank our outgoing Board members, Ms. Jan Currie and Mr. Kevin Kavanagh their commitment and contribution to the Board is deeply appreciated. I welcome our new Board members: Dr. Sylvie Albert, Mr. Don Boitson, Dr. Jino Distasio, Dr. Gervan Fearon, Mr. Rick Jensen, Mr. Chris Johnson, Dr. Laura Seward and anticipate an exciting year ahead with the fresh, broad perspective their membership brings to our organization.

On behalf of the Board, I wish to thank Christina and the staff of Research Manitoba for another great year. It is through their extraordinary efforts that we persevered through some challenges of our transition, found new opportunities within the expanded mandate and will continue to forge ahead.

With the ongoing support, dedication, and hard work of our Board, partners, and staff team, Research Manitoba is ready to move forward and lead our research community to success and progress in 2015/16.

Message from the Chief Executive Officer

INTRODUCTION



Christina Weise

CHRISTINA WEISE
CHIEF EXECUTIVE OFFICER

Research Manitoba

At Research Manitoba we are honoured to have had the chance to emerge as a new organization over the last year.

I spent many hours meeting new stakeholders and building new relationships and I am excited about the opportunities that lie ahead. Even though Research Manitoba is a new organization, we will keep a tradition from the past and continue to embrace new partnerships so we, as a community, can capitalize on unique opportunities that advance our province in the global spectrum of research and support the efforts that enrich the lives of Manitobans.

Our year of transition showed us that going forward we must work harder and smarter than ever before to ensure that the opportunity to steer the change is not lost. We will guide the change by developing programs and partnerships; our goal is to inspire the next generation of innovators and research leaders, to enable researchers to succeed here at home and on a national and international level.

Two new programs were rolled out this year, the Collaborative Research Team/Cluster Development Program and Strategic Investments in Research and Innovation [SIRI]. The Collaborative Research Team/Cluster Development Program is a large investment by the Board to seed and support teams of multidisciplinary researchers focused on a specific major objective, which engages end users to ensure the findings are relevant and will have an impact on the health of Manitobans. This program is the first of its kind in Manitoba and may be a mechanism we use in the future to foster greater collaboration among and between the various research disciplines in Manitoba.

SIRI was created to manage the wide array of research and innovation funding requests previously administered by the province. The development of program guidelines and a strong peer review process enabled us to make transparent and strategic funding decisions in the face of very diverse and complex research and innovation proposals.

The Research Advisory Committee [RAC] had new members join to encompass the newly mandated areas of research, which included Dr. Karen Busby, Dr. Porang Irani, Dr. Feiyue Wang, and Dr. Christine Qiong Wu. This resulted in a strong and diverse group of people who were able to respond to emerging issues throughout the year. Thank you to past members, Dr. Sharon MacDonald, Dr. Tom Blydt-Hansen, Dr. James Currie, Dr. Gary Glavin, Dr. Peter Cattini, Dr. Michelle Porter, and Dr. Renée Robinson for their insights and sage advice over the years.

We have evolved to our changing circumstances and in 2014/15 we welcomed three new team members: Ms. Freyja Arnason, Ms. Andrée Dupont and Ms. Necole Sommersell. The addition of their roles enables us to meet the demands of a growing organization and to find our balance, which will give us the momentum we need going forward to generate the best version of our organization.

I thank the Board and my team for their patience and support and I thank my many colleagues for sound advice and inspiration.

Research Manitoba Board Members

Research Manitoba's Board includes membership from the research community, provincial government, business, academic institutions, and health agencies. The Board's appointments are made by order in Council by the Government of Manitoba.

INTRODUCTION



DR. BRIAN POSTL

Dean, College of Medicine and
Faculty of Health Sciences,
University of Manitoba



DR. DIGVIR JAYAS
VICE CHAIR

Vice-President
[Research and International],
University of Manitoba



MR. BOB BRENNAN
SECRETARY TREASURER

Former President
and CEO [Retired],
Manitoba Hydro



DR. SYLVIE ALBERT

Dean, Faculty of Business
and Economics, The University
of Winnipeg



MR. DONALD J. BOITSON

Vice-President and
General Manager,
Magellan Aerospace Ltd.



MS JAN CURRIE

Former Vice-President and
Chief Nursing Officer, Winnipeg
Regional Health Authority
[Retired]



DR. JINO DISTASIO

Associate Vice-President,
Research and Innovation/
Director, Institute of Urban
Studies, The University
of Winnipeg



DR. GERVAN FEARON

President and Vice-Chancellor,
Brandon University



MR. RICK JENSEN

Former Director, Government
and Community Relations,
Boeing Canada Technology,
Winnipeg Division [Retired]



MR. CHRIS JOHNSON

Co-founder and CEO,
Permission Click

Research Manitoba Board Members

INTRODUCTION



MR. KEVIN KAVANAGH
[TO OCT 2014]

*Past President,
Great-West LifeCo*



DR. JOHN LANGSTAFF
PhD.



DR. SUSAN MCGLEMENT

*Professor, College of Nursing,
Faculty of Health Sciences,
University of Manitoba,
Manitoba Palliative Care Unit,
CancerCare Manitoba*



DR. PETER NICKERSON

*Vice Dean Research,
Faculty of Health Sciences,
University of Manitoba*



MS. CATHY NIERODA

*Managing Consultant,
Solvera Solutions*



DR. LAURA SEWARD

*Vice-President Research
& Development Winnipeg,
BioSciences Division,
Emergent BioSolutions*



**DR. BARBARA L.
TRIGGS-RAINE**

*Professor, Department of Biochemistry
and Medical Genetics, College of
Medicine, Faculty of Health Sciences,
University of Manitoba*



MS. ARLENE WILGOSH

*Former President and CEO,
Winnipeg Regional Health
Authority, WRHA [Retired]*



MS. KAREN HERD

*Deputy Minister, Manitoba
Health, Healthy Living and
Seniors, Province of Manitoba
[Invited, non-voting member]*



MR. HUGH ELIASSON

*Deputy Minister, Jobs and the
Economy, Province of Manitoba
[Invited, non-voting member]*

Staff Members of Research Manitoba

INTRODUCTION



MS CHRISTINA WEISE
CHIEF EXECUTIVE OFFICER



MS SHANNON ROGALSKI
DIRECTOR OF PROGRAMS



MS LIZ FORD
**FINANCIAL AND
ADMINISTRATIVE OFFICER**



MR. AMBROSIO CATALLA
**EVALUATION AND
POLICY ANALYST**



MS KRISTEN HOOPER
COMMUNICATIONS OFFICER



MS NECOLE SOMMERSELL
**MANAGER OF HEALTH RESEARCH
FUNDING PROGRAMS**



MS FREYJA ARNASON
**MANAGER OF
PARTNERSHIP PROGRAMS**



MS LESLEY MCKENZIE
**ADMINISTRATIVE ASSISTANT,
FUNDING PROGRAMS**



MS ANDRÉE DUPONT
EXECUTIVE ASSISTANT

Research Advisory Committee Members

April 2014 – March 2015

INTRODUCTION

The Research Advisory Committee (RAC) provides advice and makes recommendations to the Board on all research-related matters, including administration of existing programs and opportunities for development of new programs and research initiatives.

DR. BARBARA TRIGGS-RAINE,
CHAIR

DR. SUSAN McCLEMENT,
BOARD REPRESENTATIVE

DR. JINO DISTASIO,
BOARD REPRESENTATIVE

DR. RAJ BHULLAR

DR. TOM BLYDT-HANSEN

DR. JAMES BOLTON

DR. KAREN BUSBY

DR. PATRICIA CAETANO

DR. PETER CATTINI

DR. JAMES CURRIE

DR. GARY GLAVIN

DR. KENT HAYGLASS

DR. PORANG IRANI

DR. SHARON MACDONALD

DR. MICHELLE PORTER

DR. RENÉE ROBINSON

DR. CAROLYN SNIDER

DR. FEIYUE WANG

DR. KRISTY WITTMEIER

DR. ROBERTA WOODGATE

DR. CHRISTINE QIONG WU



Outcomes and Impacts



Outcomes and Impacts 2014

OUTCOMES AND IMPACTS

The data comes from projects funded by Research Manitoba and Canada Foundation for Innovation (CFI) as reported by project leaders for 2014 through CFI's Project Progress Reports.

What difference is our research making?

IMPACTS ON HEALTH CARE AND PROGRAM DELIVERY

14

Positive impacts include better health care delivery, improved standards, and informed programming.

IMPACTS ON WORK OF RESEARCHERS

10

Research findings cited in systematic reviews have produced new methods, tools and techniques that are being used by other researchers, collaborators.

IMPACTS ON COMMERCIALIZATION

11

9 patents and 2 licensing agreements.

IMPACTS ON KNOWLEDGE USERS

6

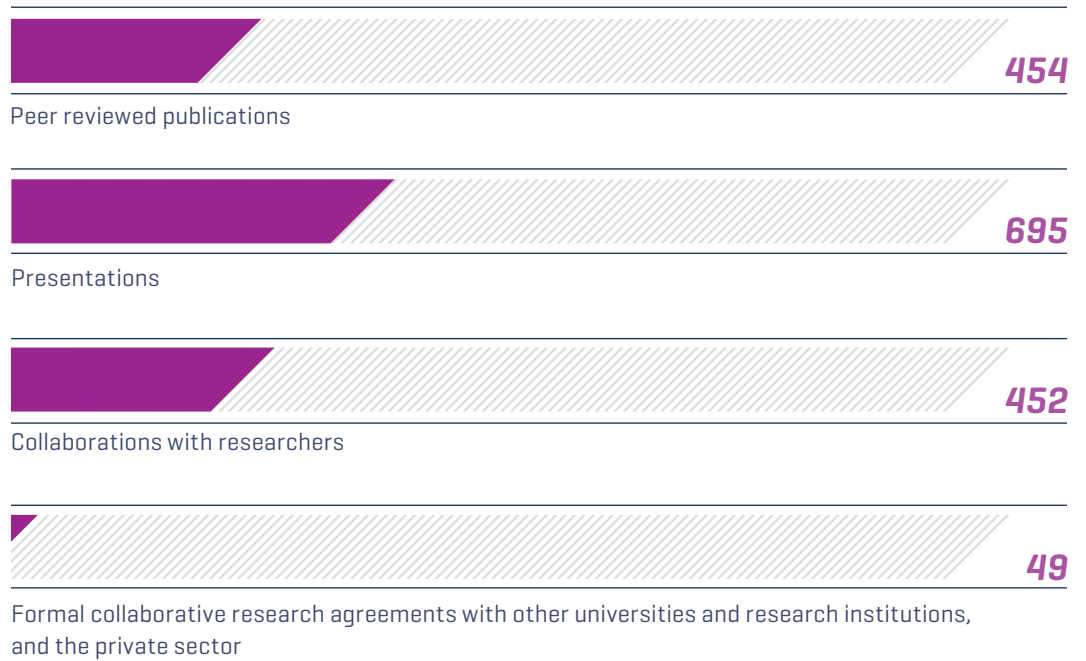
Practitioners and the public are examples of groups who have learned from the seminars, workshops, media articles and interviews, and lab tours.

OUTCOMES AND IMPACTS

Who is influenced by the knowledge generated?

RESEARCHERS	HEALTH CARE PRACTITIONERS	DECISION AND POLICY MAKERS IN GOVERNMENT AND INDUSTRY	ASSOCIATIONS	THE PUBLIC	COMMUNITY GROUPS
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How are they influenced?



How is research supported?





Funding Programs



Strategic Investments in Research and Innovation [SIRI]
\$1.58M

Manitoba Research and Innovation Fund [MRIF]
\$3.56M

Indirect Costs — Health Research Initiative [HRI]
\$2M

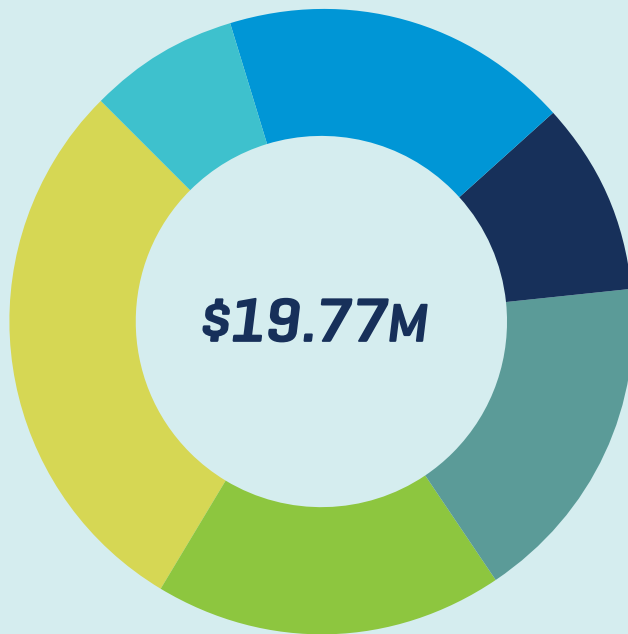
Directed Funding — Multiple Sclerosis [MS], Applied Health Services, Strategy for Patient-Orientated Research [SPOR]
\$3.37M

Matching National Funding
\$3.56M

Health Research Programs
\$5.71M

2014/15 Expenditures

This funding represents the total amount allocated to Research Manitoba, and the funds that were consolidated in the transition. The amount is different from what appears in the financial statement, as some of these consolidated funds were cash flowed by the Province of Manitoba prior to the remaining funds being transferred to Research Manitoba.



Total Program Funding

85
TOTAL # OF RESEARCHERS FUNDED

48
OF INVESTIGATORS FUNDED

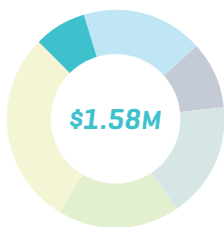
\$1.5M
TOTAL PARTNER FUNDING

37
OF TRAINEES FUNDED

9
OF PROGRAM PARTNERS

FUNDING PROGRAMS

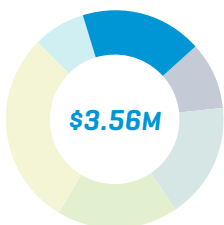
Strategic Investments in Research and Innovation (SIRI)



SIRI

SIRI investments enhance the competitiveness and capacity of the research and/or innovation systems in Manitoba with support for cutting-edge, end-user driven research and innovation activities.

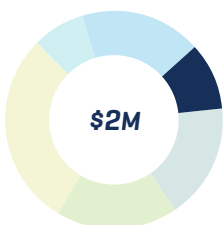
Manitoba Research and Innovation Fund (MRIF)



MRIF

MRIF expands Manitoba's research capacity, enhances research infrastructure, enables research programs and provides key support to emerging areas.

Indirect Costs – Health Research Initiative (HRI)

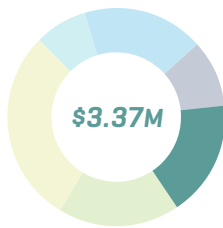


HRI

The HRI program provides annual funding to assist Manitoba health research centres in meeting a portion of their operational expenses related to conducting health research within the centre.

FUNDING PROGRAMS

Directed Funding



APPLIED HEALTH SERVICES RESEARCH (OPERATING GRANTS)

Targeted operating grant support for applied health services research, this funding opportunity supports operating grants to a maximum amount of \$200,000 over a two year period.

MULTIPLE SCLEROSIS (MS) FUNDING

Ongoing support for national and provincial activities to support clinical trials in MS (and related activities), utilizing one-time Government of Manitoba funding of \$5 million.

STRATEGY FOR PATIENT ORIENTED RESEARCH (SPOR)

Funding in support of Canadian Institutes of Health Research SPOR is used to strengthen support for clinical trials and intervention studies as well as research that compares the effectiveness, benefits, and harms of existing treatment options. The strategy also endeavors to improve the translation of innovative preventative, diagnostic, and therapeutic approaches into the health care setting by expanding research in implementation science and incorporating these methods into day to day practice.

Matching National Funding



CANADA FOUNDATION FOR INNOVATION (CFI)

The CFI Matching Fund program provides matching funds (40% of project total) for proposals that have been awarded grants through one of CFI's competitions.

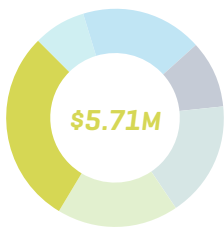
MANITOBA CENTRES OF EXCELLENCE FUND (MCEF)

Research and development support mechanism for Manitoba researchers participating in national research networks who have been successful under the Federal Government's Networks of Centres of Excellence (NCE) program.

Funding Programs

FUNDING PROGRAMS

Health Research Programs



MANITOBA RESEARCH CHAIRS

Intended to support the continued growth of successful research programs of internationally recognized independent investigators. Valued at \$100,000/year for five years. [This is the final year.]

ESTABLISHMENT GRANTS

Support for the establishment of research programs of recently recruited faculty members. Up to \$100,000 over a three-year period. [This is the final year.]

OPERATING GRANTS

Support for newly recruited faculty members undertaking specific research projects. These grants are for one or two years.

CLINICAL RESEARCH FELLOWSHIPS

Support, on a matching basis, for a period of research training for high-quality candidates with undergraduate medical degrees, or equivalent, who intend to pursue careers as clinician-researchers.

POSTDOCTORAL FELLOWSHIP AWARDS

Support for highly qualified postdoctoral trainees to prepare for careers as independent health researchers. All two year awards consist of an annual stipend of \$36,750 (plus benefits) and a one-time travel allowance of \$1,500.

GRADUATE STUDENTSHIPS AWARDS

Stipend support for highly qualified Master's and PhD trainees to prepare for careers as independent health researchers, in industry or within the health system. All two year awards consist of an annual stipend of \$17,850.

PH.D DISSERTATION AWARDS

Support for graduate students in population and health related social sciences who work on projects that are not directly related to their supervisor's research program. Funding for these awards provides up to a maximum of \$5,000.

B.SC. MED SUMMER STIPENDS

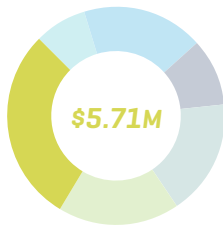
The stipends provide students a modest level of financial support to allow them to defer employment in order to pursue a significant research project over the summer months.

RESEARCH MANITOBA OPPORTUNITIES GRANT

Support for core platforms within the College of Medicine at the University of Manitoba.

FUNDING PROGRAMS

Health Research Programs



BRIDGE FUNDING

Operating support for investigators who recently lost funding after a sustained period of support from a major funding agency, to maintain their research program for up to one year while attempting to regain their funding by re-application. The funding is variable and dependent upon the level of matching funds the applicant can leverage.

PARTNERSHIPS FOR HEALTH SYSTEM IMPROVEMENT (PHSI)

Support for projects applying to the CIHR's PHSI program builds capacity in health services research. It may also be used for targeted RFA's in this area, provided that PHSI is undersubscribed.

CANADIAN INSTITUTES OF HEALTH RESEARCH REGIONAL PARTNERSHIP PROGRAM (CIHR-RPP)

To support grant applications that are judged to be of high scientific merit through peer review but are below the funding capacity of CIHR's base budget, to increase their chances of success in their next submission.

MANITOBA PARTNERSHIP PROGRAM (MPP)

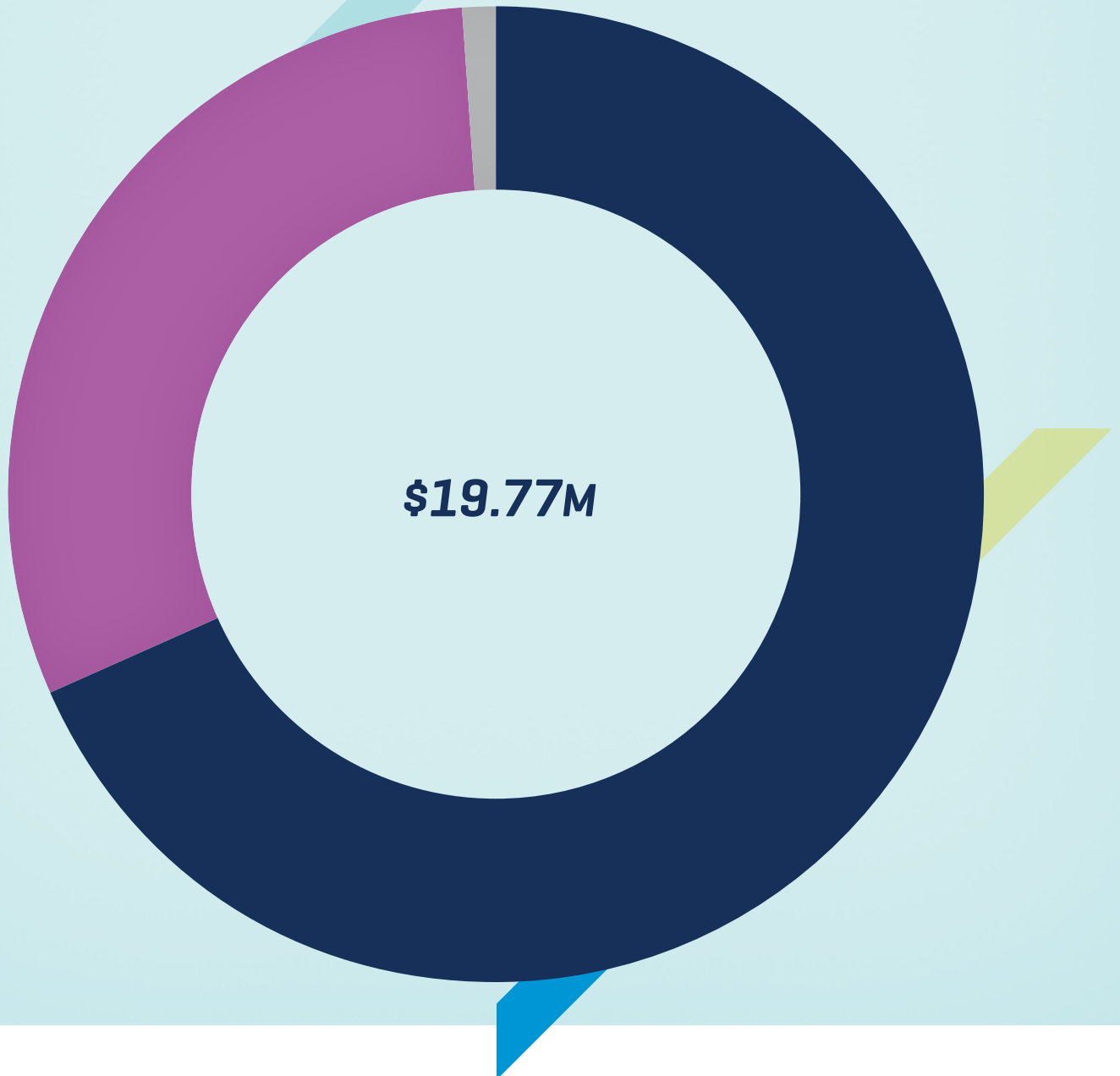
To support grant applications that are judged to be of high scientific merit through peer review but are below the funding capacity of CIHR's base budget, to increase their chances of success in their next submission. Provide funding of \$65,000/year for a period of 1 year [with an additional year after the grant end date to expend funds].

RESEARCH CONNECTIONS: EVENT SPONSORSHIP

Provides matching funds to support health research conferences, workshops, research days and like events to promote the advancement and exchange of health research knowledge in Manitoba, by encouraging linkages between and among researchers and among researchers and others. Support may be up to a maximum of \$10,000 per event; and must be matched at least equally by other financial support.

Program Funding

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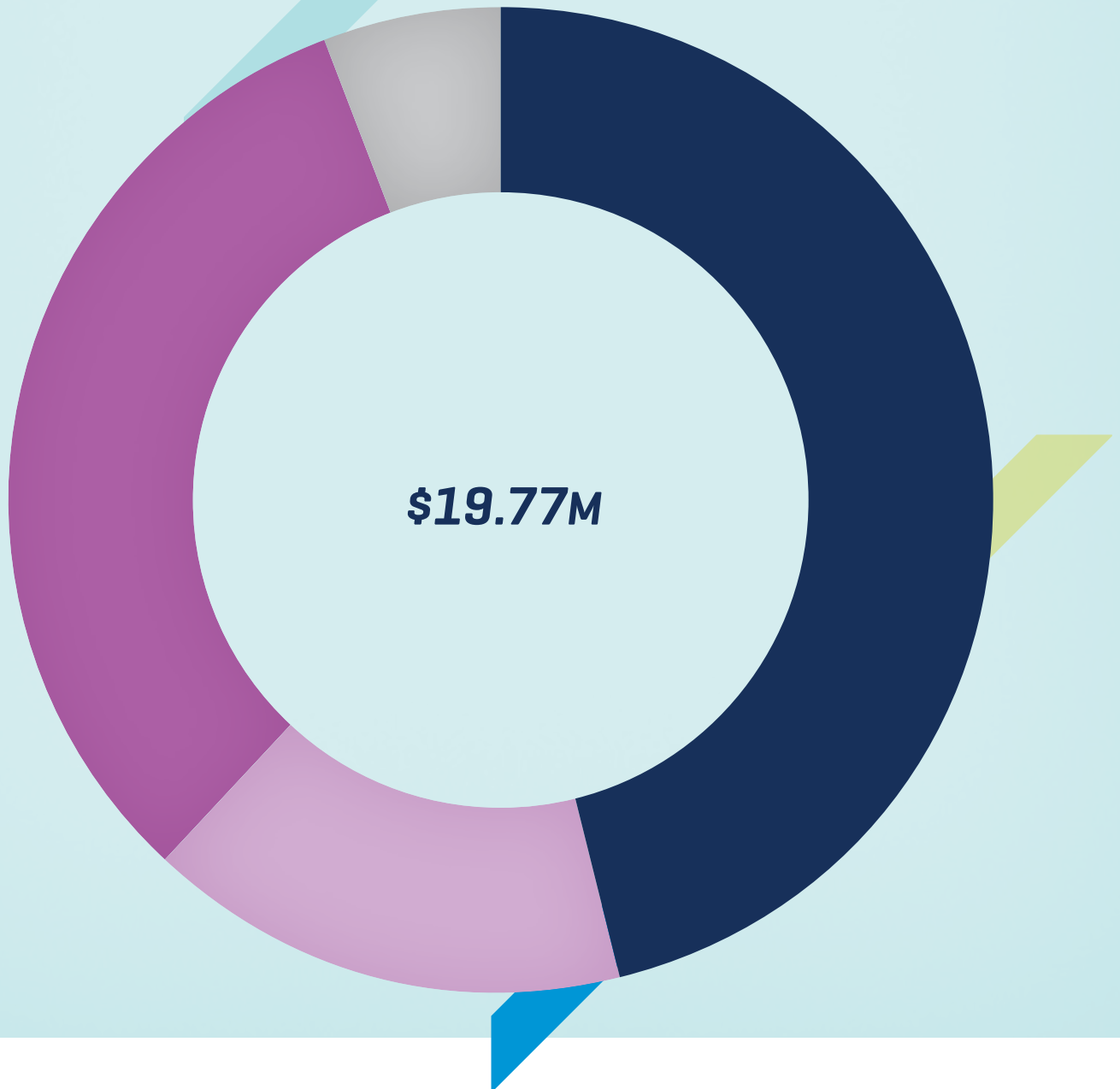


- Health Sciences = **\$13.53M**
- Natural Sciences and Engineering = **\$6.06M**
- Social Sciences and Humanities = **\$0.19M**

Total = \$19.77 MILLION

Program Funding

This funding represents the total amount allocated to Research Manitoba, and the funds that were consolidated in the transition. The amount is different from what appears in the financial statement, as some of these consolidated funds were cash flowed by the Province of Manitoba prior to the remaining funds being transferred to Research Manitoba.



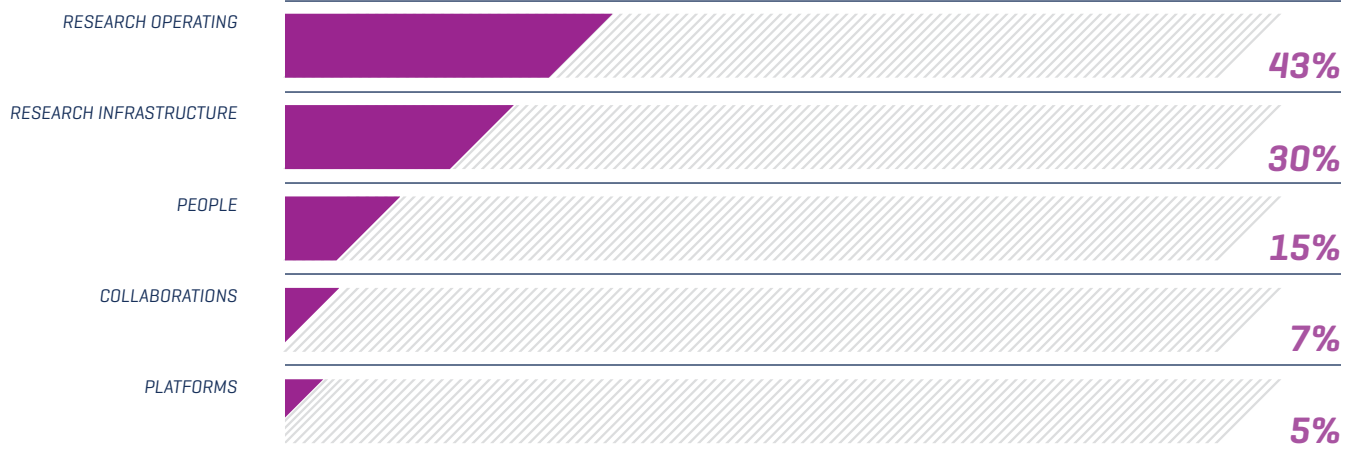
- Operating = **\$9.15M**
- People = **\$3.13M**
- Infrastructure = **\$6.38M**
- Platforms = **\$1.13M**

Total = \$19.77 MILLION

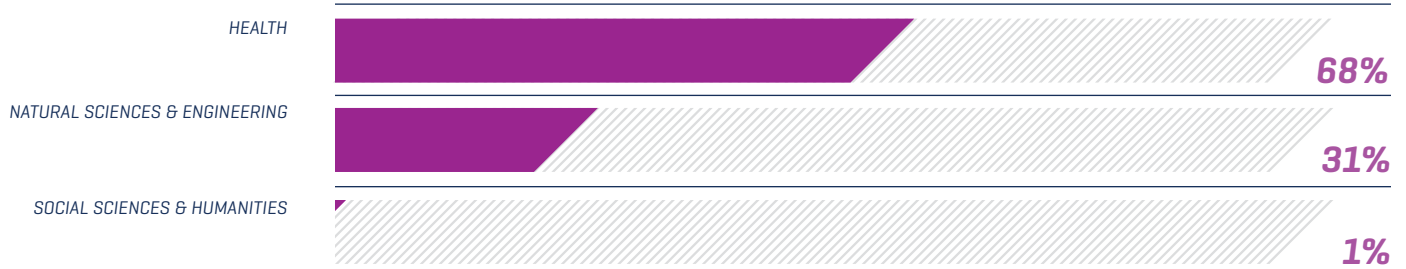
Funding

FUNDING PROGRAMS

Budget by Expense



Budget by Sector

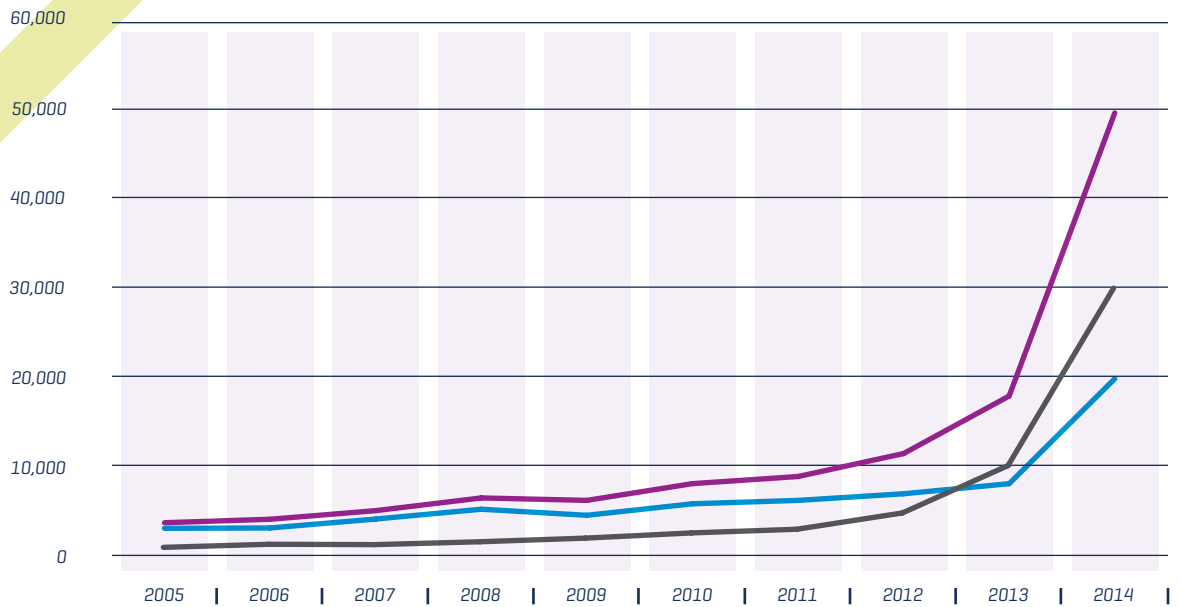


Leveraged Funding

Research Manitoba considers any money that it and/or supported researchers get from external/partnered sources over and above its own initial investments as leveraged funds.

FUNDING PROGRAMS

Total Leveraged Funds, 2005-2014 (\$MILLIONS)



- Research Manitoba
- Leveraged
- Total

Conversations with Research Chairs

Research Chair positions at post-secondary institutions help to support and retain top-quality research leaders in areas of importance within the Province of Manitoba.

FUNDING PROGRAMS



DR. SHOKRY RASHWAN

AWARD:

Paul Charette – Manitoba Applied Research Chair in Sustainable Construction

INSTITUTION:

School of Construction and Engineering Technologies, Red River College

WHAT WAS THE ORIGINAL MOTIVATION/INITIAL INSIGHT FOR THE FOCUS OF YOUR RESEARCH PROGRAM?

- To support Manitoba small and medium sized businesses (SMEs) in becoming innovative and competitive through providing R&D services focusing on construction sustainability and building energy performance.
- To support the College students in building up their innovative capacity through engaging them in industry initiated R&D projects, and training them on different problem solving and research skills.

WHAT ARE THE FACTORS THAT ENCOURAGED YOU TO PURSUE YOUR CAREER/CONDUCT YOUR RESEARCH IN MANITOBA?

Research is a relatively emerging endeavor in Canadian colleges as compared with universities. At Red River College efforts made in the past 10 years by Applied Research & Commercialization have resulted in establishing a solid research foundation. There is a great opportunity now to build on this foundation by providing unique and yet effective applied research services to Manitoba's SMEs. Such services that respond to

their needs & aspirations, born from within the "hands on" practical experience of the College faculty and students and continually targeting improvements. This opportunity, with all of its challenges and rewards, as well as the fact that it's endowed by the industry (Paul Charette, former CEO of Bird Construction) and the Government of Manitoba, is what encouraged me to work here.

WHAT ARE THE REAL-LIFE APPLICATIONS OF YOUR RESEARCH THAT MAY BENEFIT MANITOBAANS?

To give specific examples:

- Work on developing a new building material using recycled tires will lead to improved energy performance of home basements and at the same time reduce burdens on landfills.
- Work on developing a new process for benchmarking performance of LEED homes will help in improving design and construction, as well as in managing energy performance, of residential homes in Manitoba.

FUNDING PROGRAMS



DR. SARA KREINDLER

AWARD:

Manitoba Research Chair in Health Systems Innovation

INSTITUTION:

*Department of Community Health Sciences, College of Medicine,
Faculty of Health Sciences, University of Manitoba*

**WHAT WAS THE ORIGINAL MOTIVATION/
INITIAL INSIGHT FOR THE FOCUS OF YOUR
RESEARCH PROGRAM?**

I worked in the system for 8 years as an embedded researcher. One spring day in 2012, my Director returned from a meeting with senior management and observed that patient flow had bubbled to the top of the Region's agenda. There was an important opportunity for our unit to contribute evidence to the discussion – but what kind? Looking back on the Region's long history of flow initiatives, I realized that the greatest need was to learn why past efforts had fallen short. What we didn't know then was that the specific initiatives were only the tip of the iceberg – or that the topic would come to define my research agenda.

**WHAT ARE THE FACTORS THAT ENCOURAGED YOU
TO PURSUE YOUR CAREER/CONDUCT
YOUR RESEARCH IN MANITOBA?**

Manitoba is ahead of the curve when it comes to stakeholder-partnered research. I've attended national conferences where the idea that researchers and decision-makers can work together to improve health services is hailed

as a new discovery. We've been living it for years, and the Centre for Healthcare Innovation [CHI] presents many opportunities to build on that foundation. The value placed on this type of work has enabled me to stay in Winnipeg, where I have family and strong ties.

**WHAT ARE THE REAL-LIFE APPLICATIONS OF YOUR
RESEARCH THAT MAY BENEFIT MANITOBANS?**

Understanding the system-level drivers of patient flow will enable us to better organize health services to meet patient needs. This will translate into timelier access for patients (in emergency departments and across the continuum of care), a better working environment for providers, more effective use of public resources, and a strengthened public system.

Working in Partnership

Partnership is a critical component of maximizing the research potential within the province. Research Manitoba is pleased to work with the following organizations and institutions:

FUNDING PROGRAMS



Canadian Foundation for Innovation



Canadian Institutes of Health Research



CancerCare Manitoba Foundation



Centre for Healthcare Innovation



Children's Hospital Research Institute of Manitoba



Crohn's and Colitis Canada



Health Sciences Centre Foundation



Manitoba Lung Association

Working in Partnership

FUNDING PROGRAMS



Multiple Sclerosis Society of Canada



Province of Manitoba



Regional Health Authorities of Manitoba



Rick Hansen Institute



Winnipeg Regional Health Authority



University of Manitoba [see below]

ADDITIONAL ORGANIZATIONS AND INSTITUTIONS:

The Health Sciences Centre, Department of Research

University of Manitoba — Faculty of Graduate Studies

University of Manitoba —
College of Dentistry, Faculty of Health Sciences

University of Manitoba —
College of Nursing, Faculty of Health Sciences

University of Manitoba —
College of Medicine, Faculty of Health Sciences

Research Connections

The Research Connections Program provides matching funding to support health research conferences, workshops, research days, and like events. Its purpose is to promote the advancement and exchange linkages between and among researchers and others.

FUNDING PROGRAMS

Other Events

*Health, Leisure & Human Performance
Research Institute Research Day*

MAY 14, 2014

*6th Annual Canadian National Medical
Student Research Symposium*

JUNE 10-12, 2014

*Canadian Student Health Research
Forum and Post-doctoral Fellow
Research Connection Award*

JUNE 10-12, 2014

*Canadian Society for Pharmacology
and Therapeutics Annual Meeting*

JUNE 10-13, 2014

*Newman Stephens International
Symposium on Smooth Muscle
and Asthma*

JUNE 23-25, 2014

*2nd Cardiovascular Forum for
Promoting Centres of Excellence
and Young Investigators*

SEPTEMBER 4-6, 2014

Canadian Health Workforce Conference

OCTOBER 21-22, 2014

*Manitoba Institute of Child Health —
Child Health Research Day*

OCTOBER 2, 2014

*Canadian Science Policy Centre
Conference*

OCTOBER 15-17, 2014

*TD Discovery Days in Health Science
— The Canadian Medical Hall of Fame*

NOVEMBER 7, 2014

*The Canadian Medical Hall of Fame —
2015 Induction Ceremony*

APRIL 23, 2015

*International Congenital
Diaphragmatic Hernia Workshop*

SEPTEMBER 14-15, 2015

In 2014/15 Research Manitoba sponsored 13 different events, which are intended to build research and knowledge collaborations. Our contact at the Manitoba Violence and Injury Prevention Initiative shared a few highlights from their networking day on October 9, 2014.

FUNDING PROGRAMS

Attendees used social media to share their thoughts on the day.

MBInjuryViolence
@MBVIPI

Breaking down barriers is key to community engagement @kevin_chief. Wonderful Keynote! #dontgethurt

Kevin Chief
@kevin_chief

We lead the country in health research. Thx 2 the many working to prevent violence & injury @umanitoba @Research_MB

Carolyn Snider
@DrCarolynSnider

Fantastic opening of MB Violence & injury prevention initiative with Hon. Kevin Chief @mbvipi #dontgethurt @kevin_chief

Carolyn Snider
@DrCarolynSnider

Very inspirational talk by Dr. Rob Santos @MICHmanitoba

Highlights

Manitoba Violence and Injury Prevention Initiative - Research and Networking Day

OCTOBER 9, 2014



90
PEOPLE ATTENDED THE EVENT

Attendees came from a wide range of injury and violence prevention interest groups and services: WRHA, City of Winnipeg, Children & Youth Opportunities, Manitoba Health, Manitoba Status of Women, Canadian Red Cross, Public Health Agency of Canada, Manitoba Public Insurance, Winnipeg School Divisions, Neighbourhood Associations, Sport Medicine & Science Council of Manitoba, faculty and students from the University of Manitoba, Chief Medical Examiner, Chief Provincial Public Health Officer.

Invited Keynote Address from the Honourable Kevin Chief, Minister of Children & Youth Opportunities and International Invited Keynote Address by Larry Cohen, Founder and Executive Director of the Prevention Institute.

Presentations by 10 invited presenters on Manitoba-based violence and injury prevention research and services were designed to share research knowledge. Afternoon breakout sessions were designed to exchange research knowledge and identify interdisciplinary research priorities.

Peer Review Process

Each year Research Manitoba employs a competitive peer review process to evaluate and select research funding proposals for the Board's approval. Peer review is undertaken by a committee of active experts with the appropriate background and knowledge of the application topics under review.

FUNDING PROGRAMS

Committee members review applications in advance of the Committee meeting, and then discuss, assess, and finally score the applications during the meeting. Each committee is also chaired by a respected researcher from a relevant field and, in some cases, accompanied by a skilled Scientific Officer. It would be impossible to conduct our Grants and Awards competition without the volunteer time received from our peer review committee members. We greatly acknowledge them in making our competitions run successfully and smoothly.

For more information or to see a list of our 2014/15 Peer Review Committees please visit our [website](#).

Observer Program

Research Manitoba encourages knowledge sharing and transparency through our Observer Program.

FUNDING PROGRAMS

Stakeholders with an interest in health research funding are invited to sit in and watch how our funding decisions are made during our Peer Review committee process. Taking part in the Observer Program allows participants to gain an appreciation for the rigour by which research applications are evaluated, helps researchers learn how they can strengthen their own grant applications for future competitions, and increases participant understanding of the value Peer Review brings to the Review Committee process. Research Manitoba feels the Observer Program is a vital part of sharing our processes with our community.

FEEDBACK FROM THE 2014 OBSERVERS

Community Partner, 2014

The experience was useful to me, as [I]t really allowed me to broaden my thinking and expand my knowledge about the tremendous variety of research that is being/seeks to be conducted here in the province. I was thrilled to be able to be involved.

Researcher, 2014

I was pleased to observe that each application [meeting the minimum score for discussion] received careful consideration. It was nice to see that the committee seemed to appreciate the time and effort that goes into this process and in respect to this, each application was considered thoroughly.

Researcher, 2014

Yes, it was very useful. I realized the many aspects any applications can be improved. It is not only about having published many papers but also the potential future use [patent] of our discoveries as well as the feasibility of a project to be finished on time.

FUNDING PROGRAMS

Research Manitoba's Wave stories are created by working with the Winnipeg Regional Health Authority's (WRHA) magazine staff. Throughout the year we feature stories that allow us to peek inside various research environments and to learn about how the research taking place in our province touches our lives.

In 2014/15 we participated in three issues:



May/June 2014 >>



November/December 2014 >>



March/April 2015 >>

FUNDING PROGRAMS

Left to right:

Christina Weise, Lizelle
Mendoza, James Marriott,
Lindsay Gulin, Yves Savioe



On January 29, 2015 the MS Society of Canada and the Multiple Sclerosis Scientific Research Foundation announced a \$4.2 million grant in support of the Mesenchymal Stem Cell Therapy for Canadian MS patients (MESCAMS) study, led by Dr. Mark S. Freedman [Ottawa Hospital Research Institute / University of Ottawa], who is also the principal investigator at the Ottawa site, along with the principal investigator of the Winnipeg site Dr. James J. Marriott [University of Manitoba] and colleagues. This grant is also supported by proud funders Research Manitoba [\$1.5 million] and A&W Food Services of Canada Inc. [\$1 million].

“Research Manitoba welcomes the opportunity to support the search for new treatment options and advance research in the area of multiple sclerosis,” says Dr. Brian Postl, Chair, Research Manitoba. “We are proud of the dedicated researchers and participants and are pleased to support this partnership within the MS research community.”

More information can be found on our [website](#).



Financial Statements



Management's Responsibility for Financial Reporting

FINANCIAL STATEMENTS

The accompanying financial statements are the responsibility of the management of **RESEARCH MANITOBA** and have been prepared in accordance with Public sector accounting standards. In management's opinion, the financial statements have been properly prepared within reasonable limits of materiality, incorporating management's best judgment regarding all necessary estimates and all other data available to June 25, 2015.

Management maintains internal controls to properly safeguard the assets and to provide reasonable assurance that the books and records from which the financial statements are derived accurately reflect all transactions and that established policies and procedures are followed.

The responsibility of the external audit is to express an independent opinion on whether the financial statements of **RESEARCH MANITOBA** are fairly represented in accordance with Public sector accounting standards. The Independent Auditor's Report outlines the scope of the audit examination and provides the audit opinion.

On behalf of Management,
RESEARCH MANITOBA



Christina Weise, Chief Executive Officer
June 25, 2015.

Independent Auditor's Report

FINANCIAL STATEMENTS

To the Board of Directors of **RESEARCH MANITOBA**

We have audited the accompanying financial statements of **RESEARCH MANITOBA**, which comprise the statement of financial position as at March 31, 2015, and the statement of operations and fund balance and statement of cash flows for the year then ended, and a summary of significant accounting policies and other explanatory information.

MANAGEMENT'S RESPONSIBILITY FOR THE FINANCIAL STATEMENTS

Management is responsible for the preparation and fair presentation of these financial statements in accordance with Canadian public sector accounting standards, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

AUDITOR'S RESPONSIBILITY

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with Canadian generally accepted auditing standards. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

OPINION

In our opinion, the financial statements present fairly, in all material respects, the financial position of **RESEARCH MANITOBA** as at March 31, 2015 and the results of its operations and its cash flows for the year then ended in accordance with Canadian public sector accounting standards.



Chartered Accountants
Winnipeg, Manitoba
June 25, 2015

Statement of Financial Position

March 31	2015	2014
<i>Assets</i>		
CURRENT ASSETS		
Cash and bank	\$ 1,153,375	\$ 737,134
Short-term investment [Note 2]	5,884,211	8,038,731
Accounts receivable [Note 3]	37,349	29,780
Accrued interest receivable	29,996	41,235
Prepaid expenses	2,300	2,129
Deposits	-	500
	7,107,231	8,849,509
Capital assets [Note 4]	33,760	26,633
	\$ 7,140,991	\$ 8,876,142
<i>Liabilities and Fund Balance</i>		
CURRENT LIABILITIES		
Accounts payable and accrued liabilities	\$ 1,632,640	\$ 30,193
Deferred revenue [Note 5]	3,265,250	5,558,570
Research grants payable	1,107,133	2,149,419
	6,005,023	7,738,182
Commitments [Note 7]		
Fund balance	1,135,968	1,137,960
	\$ 7,140,991	\$ 8,876,142


 _____ Controller

 _____ Treasurer

Statement of Operations and Fund Balance

For the year ended March 31	2015	2014
REVENUE		
Province of Manitoba		
> Jobs and the Economy	\$ 12,184,300	\$ 6,002,600
> Health	-	2,000,000
Winnipeg Regional Health Authority	1,100,000	1,100,000
Other funding	63,600	5,500
Grants returned/rescinded	175,023	335,986
Investment income	136,109	139,945
	13,659,032	9,584,031
Add deferred revenue, beginning of year	5,558,570	4,823,679
Less deferred revenue, end the year	3,265,250	5,558,570
	15,952,352	8,849,140
EXPENDITURES		
Administration [Page 53]	1,076,110	907,206
Health Research Personnel awards	1,416,250	1,528,985
Health Research grants	4,297,681	4,091,796
MS grants and awards	1,948,712	1,190,109
Applied Health Services	419,609	75,000
George and Fay Yee Centre for Healthcare Innovation Support Unit	1,000,000	1,000,000
Research and Infrastructure Grants	3,795,982	-
Health Research Initiative [HRI]	2,000,000	-
	15,954,344	8,793,096
EXCESS (DEFICIENCY) OF REVENUE OVER EXPENDITURES FOR THE YEAR	(1,992)	56,044
FUND BALANCE, BEGINNING OF YEAR	1,137,960	1,081,916
FUND BALANCE, END OF YEAR	\$ 1,135,968	\$ 1,137,960

Statement of Cash Flows

For the year ended March 31	2015	2014
CASH FLOWS FROM OPERATING ACTIVITIES		
Excess (deficiency) of revenue over expenditures for the year	\$ (1,992)	\$ 56,044
Adjustments for		
Amortization of capital assets	5,965	5,588
	3,973	61,632
Changes in non-cash working capital balances		
Accounts receivable	(7,569)	(12,088)
Accrued interest receivable	11,239	(4,540)
Deposit	500	-
Prepaid expenses	(171)	-
Accounts payable and accrued liabilities	1,602,447	(21,936)
Deferred revenue	(2,293,320)	734,891
Research grants payable	(1,042,286)	1,756,224
	(1,725,187)	2,514,183
CASH FLOWS FROM INVESTING ACTIVITIES		
Purchase of capital assets	(13,092)	(1,183)
INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS DURING THE YEAR		
	(1,738,279)	2,513,000
CASH AND CASH EQUIVALENTS, BEGINNING OF YEAR		
	8,775,865	6,262,865
CASH AND CASH EQUIVALENTS, END OF YEAR		
	\$ 7,037,586	\$ 8,775,865
REPRESENTED BY		
Cash and bank	\$ 1,153,375	\$ 737,134
Short-term investment	5,884,211	8,038,731
	\$ 7,037,586	\$ 8,775,865

For the year ended March 31, 2015

1. Nature of the Organization and Summary of Significant Accounting Policies

NATURE OF THE ORGANIZATION

Research Manitoba was originally established by The Manitoba Health Research Council Act to promote and assist basic, clinical and applied research in the health sciences in Manitoba. It was continued under The Research Manitoba Act in 2014 to promote and support, and coordinate funding of, research in the health, natural and social sciences, engineering and the humanities in Manitoba. Research Manitoba is a registered charity and is exempt from tax under the Income Tax Act.

BASIS OF ACCOUNTING

The financial statements have been prepared using the Canadian public sector accounting standards for not-for-profit organizations as established by the Public Sector Accounting Board.

REVENUE RECOGNITION

The organization follows the deferral method of accounting for contributions. Grant revenue is reflected in income in the period in which the grant is received or becomes receivable and in accordance with the terms of the applicable funding agreements, where there are restrictions related to when the related expenditures are incurred as outlined below. Interest income is recognized as revenue when earned and is allocated to the General Fund.

The General Research Funds - General research grants are charged to expenditures in the year the funding is committed for, by the Board. Research grants returned to or rescinded by the organization are recorded as revenues when received or rescinded.

The Applied Health Services Research funds - Research Manitoba is partnering with Manitoba Health, the regional health authorities and the George and Fay Yee Centre for Healthcare Innovation (CHI) to support applied health services research which is relevant to the health system in Manitoba and to support collaborations between policy makers, service providers and researchers interested in working together to address health system challenges.

Funding through this initiative will provide grants-in-aid of research, designed to defray the normal direct costs of research including, among others, personnel costs, supplies and expendable materials, equipment, computer costs and publication costs. The maximum amount of funding awarded will be \$200,000 over a 2-year period.

For the year ended March 31, 2015

1. Nature of the Organization and Summary of Significant Accounting Policies (continued)

CASH AND CASH EQUIVALENTS

For the purpose of the statement of cash flows, cash includes cash and bank, a short-term investment in a cash savings account that can be redeemed at the organization's request, and a bank overdraft.

CAPITAL ASSETS

Capital assets are stated at cost less accumulated amortization. Amortization, based on the estimated useful life of the asset, is calculated as 20% per year for 5 years. Any changes to this policy will be Board approved. The amortization for purchases prior to this fiscal year will continue to be calculated as follows:

Office and computer equipment	20% diminishing balance basis
Computer equipment for review committees	33.3% diminishing balance basis

FINANCIAL INSTRUMENTS

Financial instruments are recorded at fair value when acquired or issued. Cash has been designated to be in the fair value category. All other financial instruments are reported at cost or amortized cost less impairment, if applicable. Financial assets are tested for impairment when changes in circumstances indicate the asset could be impaired. Transaction costs on the acquisition, sale or issue of financial instruments are expensed for those items remeasured at fair value at each balance sheet date and charged to the financial instrument for those measured at amortized cost. Due to the nature of the financial instruments held by Research Manitoba, there are no unrealized gains or losses, and therefore a statement of remeasurement gains and losses are not required for these financial statements.

GRANTS AND AWARDS

All grants and awards and their renewals are recorded as an expenditure in the year they are committed for.

USE OF ESTIMATES

The preparation of financial statements in accordance with Canadian public sector accounting standards for not-for-profit organizations requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements, and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from management's best estimates as additional information becomes available in the future.

For the year ended March 31, 2015

2. Short-term Investment

	2015	2014
Steinbach Credit Union, charity regular savings account, 1.85%, no maturity date.	\$ 5,884,211	\$ 8,038,731

The fair value of the short-term investment approximates the carrying value.

3. Accounts Receivable

	2015	2014
Miscellaneous receivables	\$ 25,024	\$ 21,981
Goods and Services Tax receivable	12,325	7,799
	\$ 37,349	\$ 29,780

4. Capital Assets

	2015		2014	
	Cost	Accumulated Amortization	Cost	Accumulated Amortization
Office equipment	\$ 34,151	\$ 15,206	\$ 21,059	\$ 13,151
Computer equipment	49,007	34,192	49,007	30,282
	\$ 83,158	\$ 49,398	\$ 70,066	\$ 43,433
Cost less accumulated amortization		\$ 33,760		\$ 26,633

5. Deferred Revenue

Revenue of \$5,000,000, received from Manitoba Health at the end of March, 2011, is intended to fund clinical research into whether the chronic cerebrospinal venous insufficiency treatment is a safe, effective treatment for Multiple Sclerosis patients. The MS awards made to date include funding of clinical trials undertaken by a research team in Manitoba in partnership with the Canadian Institutes of Health Research, The Canadian Multiple Sclerosis Monitoring System and the Manitoba Centre for Advanced Cell and Tissue Therapies [stem cells]. During the current year, \$1,948,712 of these funds were utilized [for a cumulative total of \$3,240,142] and future commitments of \$1,018,278 were made. The unexpended balance at March 31, 2015 is \$1,759,858.

For the year ended March 31, 2015

5. Deferred Revenue (continued)

Revenue received from the WRHA in the amount of \$2,000,000 is intended to support research that will have an impact on the health of individuals, the health of populations and communities, decisions about government health policy, health system organization and healthcare delivery. Funding is awarded up to \$200,000 over 2 years. During the current year, \$419,608 of these funds were utilized (for a cumulative total of \$494,609) and the unexpended balance at March 31, 2015 is \$1,505,392.

6. Pension Benefits

Employees of Research Manitoba are eligible for pension benefits in accordance with the provisions of the Civil Service Superannuation Act (CSSA), administered by the Civil Service Superannuation Board (CSSB). The CSSA established a defined benefit plan to provide benefits to employees of the Manitoba Civil Service and to participating agencies of the Government, including Research Manitoba, through the Civil Service Superannuation Fund (CSSF). Effective April 1, 2012, pursuant to an agreement with the Province of Manitoba, Research Manitoba transferred to the Province the pension liability for its employees.

Commencing April 1, 2012, Research Manitoba was required to pay to the Province the employees' current pension contributions. The plan is funded by the organization's employees at rates of 6.6% to 8.5% of the employees' salary. The organization is required to match at rates of 5.6% to 7.5% of the employees' salary. The amount contributed by Research Manitoba for 2015 was \$32,660 and the employee share was \$32,660. Under this agreement, the organization has no further pension liability.

For the year ended March 31, 2015

7. Commitments

Research Manitoba has committed grants and awards under the General Research funds, MS funds and Strategy for Patient Oriented Research funds as follows:

Year	Research General funds	MS funds	SPOR funds	Total
2016	\$ 3,188,089	\$ 828,535	\$ 1,000,000	\$ 5,016,624
2017	1,182,018	642,700	1,000,000	2,824,718
2018	450,000	125,000	1,000,000	1,575,000
2019	450,000	93,750	-	543,750
Total	\$ 5,270,107	\$ 1,689,985	\$ 3,000,000	\$ 9,960,092

Commitments of future years of all the funds are not recorded as an expenditure in the year of commitment, they are recorded as an expenditure in the year they are committed for. These commitments will be funded as follows:

Current General Research Fund Balance	\$ 1,135,968
Deferred revenue	3,265,250
Future Province of Manitoba grants	<u>5,558,874</u>
	<u>\$ 9,960,092</u>

8. Related Party Transactions

Research Manitoba is related to all Province of Manitoba departments and agencies. During the year, Research Manitoba had the following transactions with related organizations:

	<u>2015</u>	2014
Grant revenue	\$ 13,284,300	\$ 9,102,600

These transactions are in the normal course of operations and are measured at the exchange amount, which is the amount of consideration established and agreed to by the related parties.

9. Economic Dependence

Research Manitoba relies almost entirely on grants from the Province of Manitoba.

For the year ended March 31, 2015

10. Financial Instrument Risks

GENERAL OBJECTIVES, POLICIES, AND PROCESSES

The Board of Directors has overall responsibility for the determination of the organization's risk management objectives and policies and, whilst retaining ultimate responsibility for them, it has delegated the authority for designing and operating processes that ensure effective implementation of the objectives and policies to the organization's Chief Executive Officer. The Board of Directors receives quarterly reports from the organization's Chief Executive Officer through which it reviews the effectiveness of the processes put in place and the appropriateness of the objectives and policies it sets.

The organization's financial instruments are exposed to certain financial risks, including credit risk, interest rate risk and liquidity risk.

There have been no significant changes from the previous year in the exposure to risk, policies or procedures used to manage financial instrument risks.

INTEREST RATE RISK

The organization is exposed to interest rate risk arising from the possibility that changes in interest rates will affect the cash flows related to its investments. The organization's objective is to minimize interest rate risk by locking in fixed rates on its investments when possible.

At March 31, 2015, a 1% move in interest rates, with all other variables held constant, could impact the interest revenue of the investments by \$58,800 (2014 - \$80,000). These changes would be recognized in the statement of operations.

CREDIT RISK

The organization is exposed to credit risk through the possibility of non-collection of its accounts receivable. The majority of the organization's receivables are from government entities which minimizes the risk of non-collection. The organization also makes sure it meets all the eligibility criteria for the amounts to ensure they will collect the amounts outstanding.

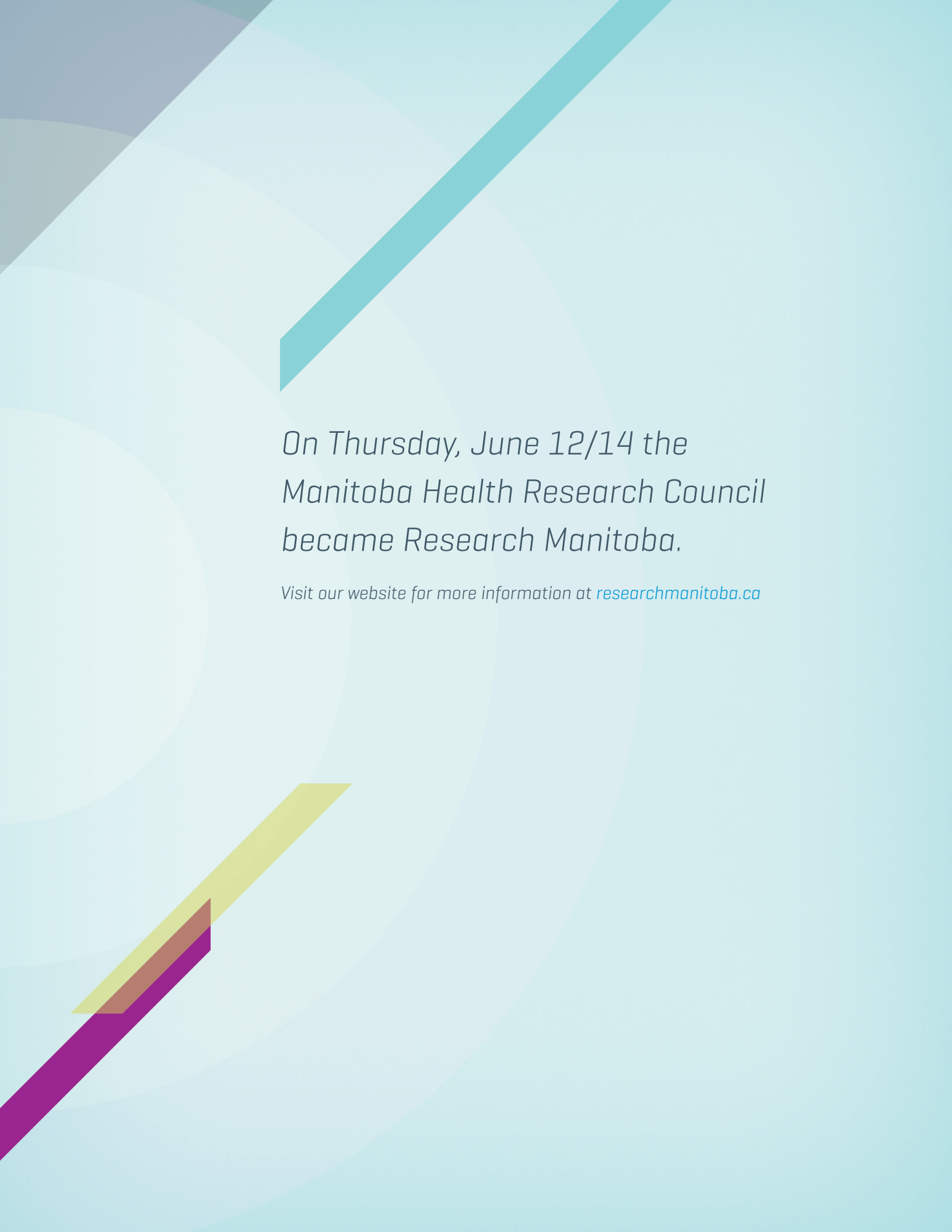
LIQUIDITY RISK

Liquidity risk is the risk that the organization will not be able to meet its financial obligations as they fall due. The organization has a planning and budgeting process in place to help determine the funds required to support the organization's normal operating requirements on an ongoing basis. The organization ensures that there are sufficient funds to meet its short-term requirements, taking into account its anticipated cash flows from operations and its holdings of cash and cash equivalents.

Schedule of Administrative Expenses

For the year ended March 31	2015	2014
Accounting and audit	\$ 9,882	\$ 7,801
Amortization	5,965	5,588
Bank charges and interest	1,580	1,507
Communications and information technology	65,819	71,384
Conferences, meetings and travel	36,459	28,183
Consulting and professional fees	22,357	22,386
Council and committee expenses	5,974	5,739
Delivery	1,569	2,056
GST expense	2,639	-
Insurance	4,888	4,561
Marketing	60,596	49,636
Office space	57,555	42,372
Parking	1,106	2,175
Printing, stationery and office supplies	22,934	11,098
Repairs and maintenance	2,851	1,563
Reviewer's expenses	36,123	20,259
Salaries and benefits	728,040	619,660
Workshops and training	9,773	11,238
	\$ 1,076,110	\$ 907,206





*On Thursday, June 12/14 the
Manitoba Health Research Council
became Research Manitoba.*

Visit our website for more information at researchmanitoba.ca

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RESEARCH MANITOBA
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