

APRIL 2024

EDITION #9



BOOTS on the
Ground

BE WHAT THE WORLD NEEDS



WHO WE ARE

INTERESTED IN PAST ACTIVITIES AT THE CENTRE?
CHECK OUT OUR ANNUAL REPORTS AT
CCHSA-CCSSMA.USASK.CA

Getting cutting edge health knowledge to rural people to make a difference now.

OUR MISSION:

We move rural health research to action through programs and resources to support rural people to live and work healthy and safe.

OUR STRATEGY:

We are a developer, collaborator, source, connector, and catalyst to advance research, knowledge mobilization, and services in the health and safety of rural and agricultural populations.

OUR VISION:

A world where rural people are understood as the basis of rural sustainability.

OUR VALUES:

Partnering, Collaboration, Innovation,
Commitment, Sharing, Impact

The Canadian Centre for Rural and Agricultural Health is an embodiment of research to action in the health and safety of rural and agricultural populations. To learn more about who we are and the impact of our work, check out the video below!



UNIVERSITY OF SASKATCHEWAN

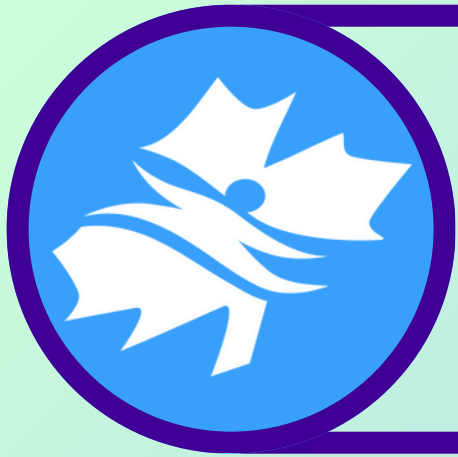
Canadian Centre for Rural
and Agricultural Health

CCHSA-CCSSMA.USASK.CA

▶ ▶ 🔊 3:58 / 4:10

⏸ CC ⚙️ HD 📺 📱 🗑

CENTRE HIGHLIGHTS



Follow us ON Social Media!

Follow our social media channels to stay informed about the Centre's activities!



Canadian Centre for Rural and Agricultural Health



Canadian Centre for Rural and Agricultural Health



@USaskCCRAH



Canadian Centre for Rural & Ag Health (@cchsa25)





Collaborative Research Information Sharing and Strategic Planning

The Mingling Minds Program, which promotes and facilitates transdisciplinary health research, is pleased to host a series of informal noon-hour sessions to exchange information and ideas relating to a variety of research themes. Five sessions are planned for April 2024. Lunch will be provided. There is no cost to attend but registration for each event is required. All sessions will be held from 12:00 p.m. to 1:00 p.m. in Room 1254, E Wing, Health Sciences Building, U of S campus.

Tuesday, April 9th, 2024

Applying Quantum Computing to Analyze Saskatchewan Health Research Data Platform (SK-HRDP) Datasets

12:00 PM to 1:00 PM, Room 1254, E Wing, Health Sciences Building

This session will include brief introductions to quantum computing and to SK-HRDP datasets and will explore strategies and opportunities for applying quantum computing to analyze administrative data. In-person attendance is encouraged but a Zoom option for this session will be available for those not residing in Saskatoon.

[REGISTER HERE](#)

Friday, April 12th, 2024

Research Discoveries Using National and Global Birth Cohort Datasets

12:00 PM to 1:00 PM, Room 1254, E Wing, Health Sciences Building

This session will include an overview of Canadian and international birth cohort datasets and their contents. Attendees will identify research questions they would like addressed using existing birth cohort datasets leading to discussion of logistics for accessing the data.

[REGISTER HERE](#)

Tuesday, April 16th, 2024

Bioimaging from Man to Molecules: Current U of S Imaging Resources and Opportunities for Enhancements

12:00 PM to 1:00 PM, Room 1254, E Wing, Health Sciences Building

This session will include a summary of the inventory of the broad spectrum of infrastructure resources and technologies suitable for imaging humans to molecules, in the College of Medicine and University of Saskatchewan. The discussion will identify technology resource gaps and explore strategies for enhancing imaging infrastructure.

[REGISTER HERE](#)

Friday, April 19th, 2024

Opportunities for Conducting and Funding International Collaborative Research

12:00 PM to 1:00 PM, Room 1254, E Wing, Health Sciences Building

This session will introduce attendees to the services offered by the U of S International Office and how to engage with the Office's International Research Specialists and explore attendees' international collaborative interests.

[REGISTER HERE](#)

Friday, April 26th, 2024

Engaging with Indigenous Communities – Saskatchewan Network Environments for Indigenous Health (SK-NEIHR) and the NEIHR National Coordinating Centre

12:00 PM to 1:00 PM, Room 1254, E Wing, Health Sciences Building

This session will introduce attendees to the CIHR-funded NEIHR networks, and how to engage with and seek guidance from NEIHR leaders.

[REGISTER HERE](#)

Welcome to the Centre



Tora Levinton

Rural Dementia Action Research (RaDAR) team welcomes research assistant Tora Levinton!

Born and raised in Saskatoon, Saskatchewan, I continued my education at the University of Saskatchewan. Holding a degree in Health Studies and an Honours in Psychology, my research interests lie in health and wellness, including the multidisciplinary aspects of our health systems in Saskatchewan. Throughout my education, I conducted research projects around chronic pain and mental health and have been involved in the Brain Health Lab. In addition, I have worked in clerical roles at the USask Bookstore and the College of Graduate and Postdoctoral Studies.



RaDAR welcomes Jordan Wellsch!

Jordan has been working as a Research Assistant with the O'Connell lab since the fall of 2023!



Julie Jensen

RaDAR bids Farewell to Julie Jensen!

Julie Jensen is a physical therapist who joined the specialist Rural and Remote Memory Clinic (RRMC) team in the fall of 2019 bringing with her decades of experience. The RRMC team has benefitted from her contributions and expertise over these past five years, and we wish her well on her path ahead as she retires from her physical therapist role at the end of March.

Faculty, Staff and Student News

Congratulations!



Congratulations to Megan Tomilin for receiving a College of Medicine Graduate Student Award (CoMGRAD) for her PhD project entitled “Serum Proteomics and Clinical Outcomes Following ST-Elevation Myocardial Infarction”.



Congratulations Drs. George Katselis, Jay Shavadia and Gudrun Caspar-Bell! Drs. Katselis, Shavadia and Caspar-Bell were awarded a Department of Medicine Dr. Viktor A. Pollak and Mirka B. Pollak Cardiology Research Fund grant for their project entitled “Patho-biologic Descriptions of Sodium-Glucose Cotransporter-2 Inhibitors Associated with Proteomics Differences in ST-segment elevation myocardial infarction”.



Congratulations to Ibrahim Hoja, supervised by Dr. George Katselis, for successfully defending his PhD titled “The Role of Circadian Clock in the Embryonic and Post-Natal Development and Pathophysiology of Oral Tissues and Implications of Natural Treatments in Dental Caries Progression” on April 3rd, 2024.



Congratulations Dr. Angelica Lang! Dr. Angelica Lang, supported by a team of researchers and patient partners, was awarded a CIHR Project Grant (\$348,000/4 years). This funding will support further exploration of how breast cancer treatment is related to secondary shoulder musculoskeletal injuries.



Congratulations to Sophia Abiara, an undergraduate research assistant in the Musculoskeletal Health and Ergonomics Lab, on a receiving an NSERC Undergraduate Student Research Award for the summer of 2024!



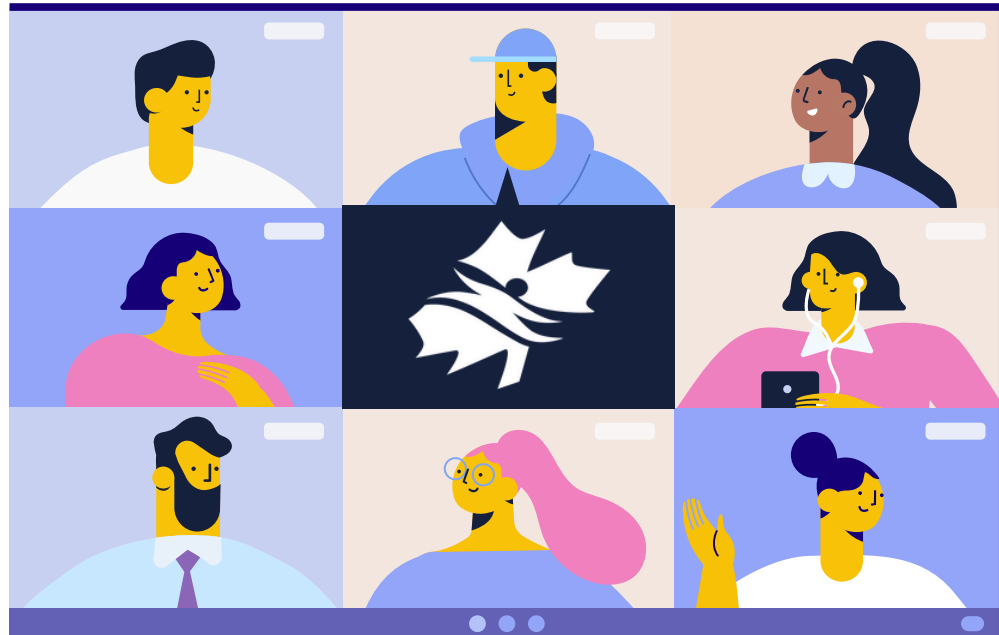
Congratulations to Mina Movasaghi, co-supervised by Drs. Shelley Kirychuk, Karen Schwean-Lardner and Lifeng Zhang, for successfully defending her MSc titled “Microbial Decontamination of Egg Surface via Cold Plasma” on February 29th, 2024

Congratulations to Brianna Wickett, BSc Nutrition student co-supervised by Drs. Julie Kosteniuk and Allison Cammer, for receiving an Interdisciplinary Summer Student Award for the project titled “Where are the RDs? Exploring the role of Registered Dietitians in nutrition care for persons living with dementia in the community from the perspective of health care professionals”.

Seminar Series

CCRAH 2024

Seminars are held every other Tuesday during the academic term from 2:30 pm - 3:30 pm. They are conducted both online via Zoom and in-person at the Centre.



The Centre's rural and agricultural health seminar series invites speakers affiliated with the Centre, other departments at U of S, and other invited guests to discuss current rural and agricultural health related issues.

If you wish to present during our seminar series, please contact:

Dr. Angelica Lang
angelica.lang@usask.ca

Check out the seminar schedule on our website!

Upcoming Seminars

Date	Presenter
April 16, 2024	Centre Social and Laboratory Tours for the Omics Laboratory, Occupational Hygiene Laboratory and Rural Health Laboratory.
April 23, 2024	<p>Dr. Meera Jo Kachroo - Post Doctoral Fellow; Dr. Punam Pahwa - Professor, Community Health and Epidemiology; Dr. Chandima Karunanayake - Professional Research Associate, Canadian Centre for Rural and Agricultural Health</p> <p>Title: Nêhiyaw Yoga: Biomedical Intervention and Knowledge Translation among two First Nations Communities</p>

For the zoom link to the seminars, please contact Brooke Thompson (brooke.thompson@usask.ca) or Katie Thompson (katie.thompson@usask.ca)

**SERVICE & KNOWLEDGE
MOBILIZATION**

RURAL AND REMOTE MEMORY CLINIC (RRMC)



RRMC team members November 2023
-image credit Debra Marshall

About the RRMC: The RaDAR team implemented the specialist Rural and Remote Memory Clinic (RRMC) in 2004, to provide diagnosis and management of atypical and complex cases of suspected dementia. The one-stop interdisciplinary clinic streamlines the assessment process by coordinating a complete team assessment and feedback on one day, and uses Telehealth videoconferencing for follow-up appointments. The specialist RRMC was started as a

research project and now receives funding from the Saskatchewan Ministry of Health to provide clinical services to Saskatchewan residents.

RRMC News: Since our return to in-person appointments, we continue to use lessons learned during COVID. For example, when appropriate, patients are offered the option for follow-up appointment to be done via web-conferencing to lessen travel burden.



Dr. Megan O'Connell

Dr. Megan O'Connell leads the evaluation of the Virtual Rural and Remote Memory Clinic intervention (vRRMC) and notes that the vRRMC was a pandemic necessity, but our evaluation helped us understand the need for a similar model post-pandemic. We have also seen a noticeable increase in the need for our memory clinic and have submitted a request to Saskatchewan Health for an expansion.

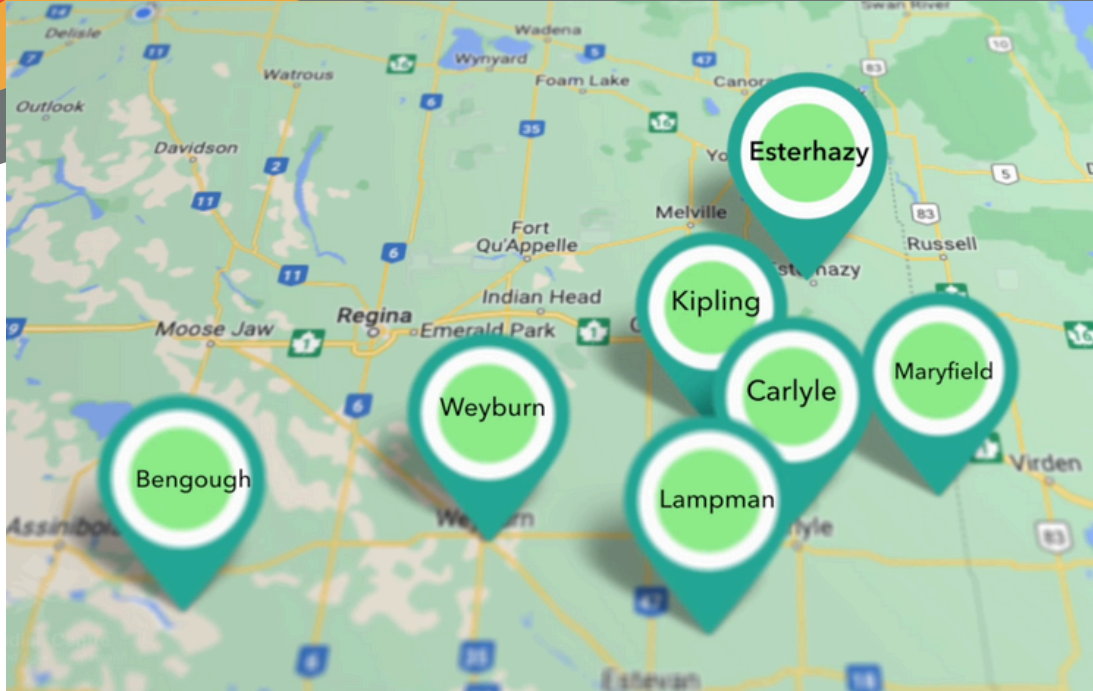
Dr. O'Connell continues to present on and train people in the Canadian Indigenous Cognitive Assessment (CICA), and presented with Dr. Jennifer Walker on the CICA for the department and the clinical psych community earlier this year. Dr. O'Connell and August Kortzman (Senior Graduate student and staff in psychology) have been

training members of Dr. Arlene Kent-Wilkinson's research team to deliver the CICA at RPC. Drs. O'Connell and Walker also held a CICA training earlier this year for the upcoming Indigenous Dementia Conference in Ontario.

Two of Dr. O'Connell's students, August Kortzman and Karl Grewal, are currently conducting care partner interventions for their respective dissertations. **August** is introducing a short-term focused course of Interpersonal Psychotherapy to increase perceived care partner social support, and **Karl** is using off-the-shelf technology to augment perceived care partner efficacy in the home.

Finally, Dr. O'Connell is collaborating with numerous partners across Canada. She is the Saskatchewan primary investigator on the implementation of the Canadian edition of the Computer Interactive Reminiscence and Conversation Aid (CIRCA-CA), led nationally by Dr. Arlene Astell at University Health Network in Toronto. She is the Nominated Principal Investigator on a national grant to increase support for care partners of Indigenous people living with dementia.

RaDAR RURAL MEMORY CLINICS (RMCs)



ABOUT THE RMCs: RaDAR Primary Care Memory Clinics (RMCs) are currently provided by primary health care teams in the rural Saskatchewan communities of Kipling, Bengough, Weyburn, Carlyle, Maryfield, Lampman, and Esterhazy. The memory clinics continue to spread in the province, with plans to become available in more communities.

Visit our website [here!](#)

What's been happening lately at the RaDAR rural memory clinics? Let's hear from Chelsie on the ground!



- There were 3 memory clinics held in 2 communities between February 15 and March 31 where teams met with a total of 5 patients and families, all patients were new patients.
- On March 28th the RaDAR Team held an information session for the Canora Team. Dr Debra Morgan presented

on behalf of the RaDAR team to explain the history and procedures of the rural memory clinics. Dr Dallas Seitz presented the PC-DATA flow sheets and answered questions for the team. The Canora team will be shadowing the Esterhazy Memory Clinics over the next few months and hopes to hold their first clinic this summer.

- Chelsie Cameron, RaDAR Research Assistant

We are continuing to spread the rural primary care memory clinics. If you or someone you know might be interested and want to learn more, please contact **Debra Morgan - debra.morgan@usask.ca**.



SEEKING PRIMARY HEALTH CARE TEAMS INTERESTED IN ESTABLISHING A MEMORY CLINIC

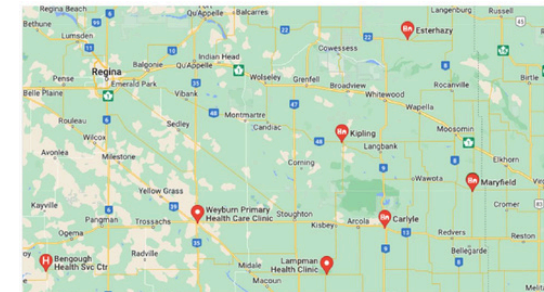
RaDAR memory clinics meet a need for dementia care close to home



**1-day memory clinics
have been established
in 7 communities:**

BENEFITS

- **Team-based interprofessional care.** Teams are led by a family physician or nurse practitioner and may include home care, social work, occupational therapy, physical therapy, pharmacy, dietitian, and Alzheimer Society First Link Coordinator.
- **Resources.** We ensure teams receive necessary tech resources. Teams use EMR templates for patient assessments that are based on Canadian consensus guidelines for dementia diagnosis and treatment.
- **Ongoing support.** Teams receive shadowing opportunities, peer mentorship, operational support, training, and continuing education on dementia-related topics. The specialist RaDAR Rural and Remote Memory Clinic in Saskatoon offers additional assessment and interventions for patients/families.



Kipling, Weyburn, Bengough, Carlyle, Maryfield, Lampman, and Esterhazy



Kipling Memory Clinic Team

Clinic video



Family physician testimonial: "My RaDAR clinic allows patients with suspected cognitive impairments to receive assessment close to home and develop relationships with their local allied health professionals. RaDAR is an essential service that provides caregivers and families with a roadmap to support their loved one through a challenging and sometimes unpredictable illness experience."

(Dr. Jared Oberkirsh, Weyburn Family Physician)

Care partner testimonial: "It was a positive experience, from the start through to the finish. And the lead physician was so respectful of my dad....And everyone was just so professional and so patient with him. And always seeking his understanding at all of the juncture points too. So again, leading to a very positive experience." (Care Partner)



Weyburn Memory Clinic Team



The Esterhazy Memory Clinic Team, in partnership with RaDAR and Dr. Bonnie Jeffery (Lead, Dementia Supports in Rural Saskatchewan) have created a video where the team takes us through a memory clinic visit. The video was produced by **Honey Cut Studios** and is available below!

Esterhazy Memory Clinic Team

from left to right: **Carolee Zorn** (Alzheimer Society First Link Coordinator), **Jenna Kulovany** (Community Pharmacist), **Holly Scheier** (PHC Manager), **Glenda Erickson** (Occupational Therapist), **Dr. Mandi Nel** (Esterhazy Family Physician)

Watch the Esterhazy video by clicking on the image

Esterhazy RaDAR Memory Clinic



RaDAR Memory Clinic in Esterhazy, Saskatchewan

AGRICULTURAL HEALTH AND SAFETY NETWORK

Stronger Together in Agricultural Health and Safety



1988 - 2023

aghealth.usask.ca

In 1998, the Agricultural Health & Safety Network began as a joint venture with the Saskatchewan Association of Rural Municipalities (SARM) and six Saskatchewan Rural Municipalities. The Network functions as part of the Centre's rural extension division and grew to 193 RMs as of January, 2024.

Health and safety information and programs are delivered to over 22,000 Saskatchewan farm families - more than half of all the farm families in Saskatchewan.

Member RMs can request clinics and Discovery Days.



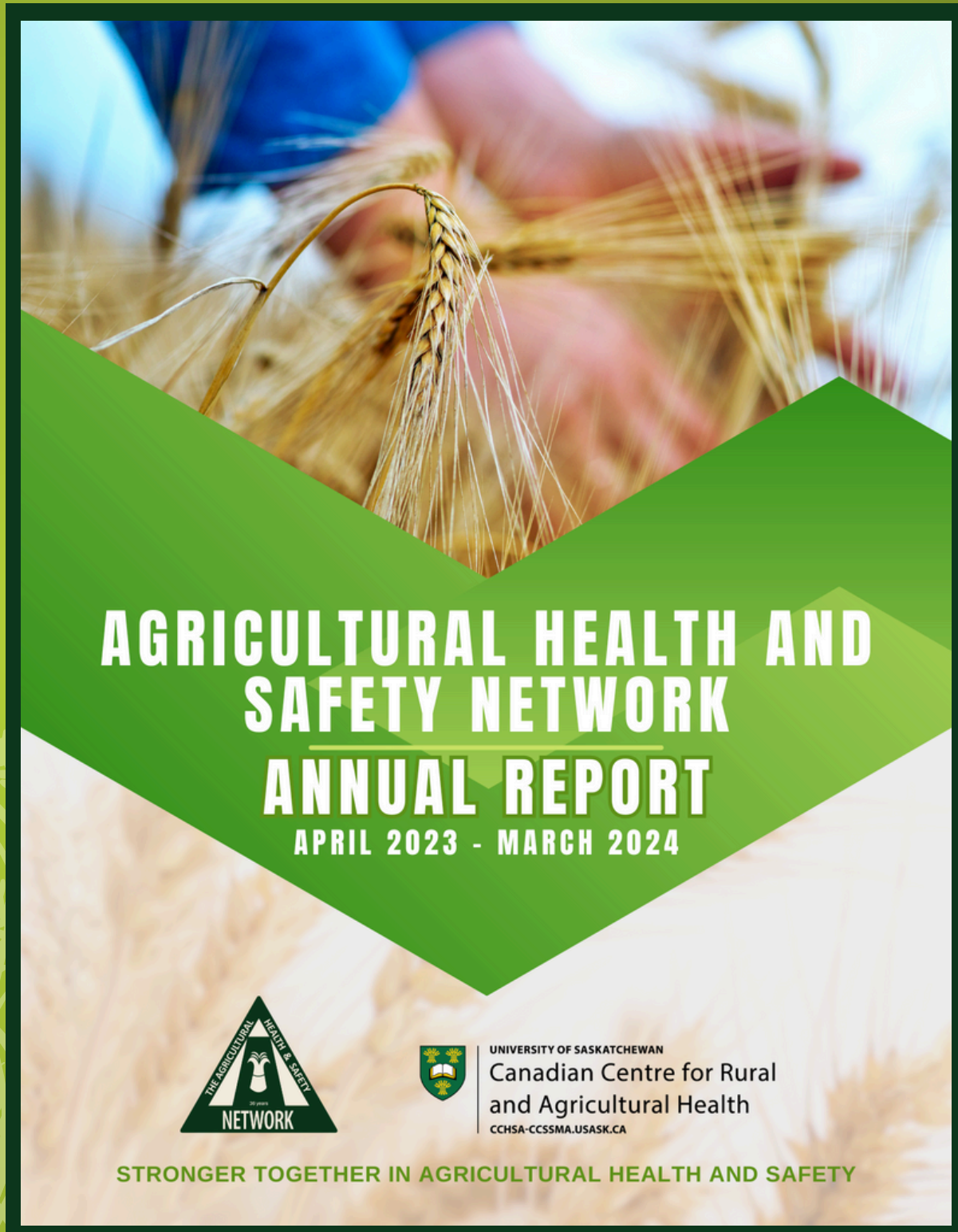
The Agricultural Health and Safety Network

Annual Report

2023-2024

The Network's 2023-2024 Annual Report is now accessible on the Network's website! It features highlights from the past year, including clinics, Discovery Days, trade shows, and events.

[Click here to read the Network's Annual Report!](#)



AGRICULTURAL HEALTH AND SAFETY NETWORK

ANNUAL REPORT

APRIL 2023 - MARCH 2024



UNIVERSITY OF SASKATCHEWAN
Canadian Centre for Rural
and Agricultural Health
CCHSA-CCSSMA.USASK.CA

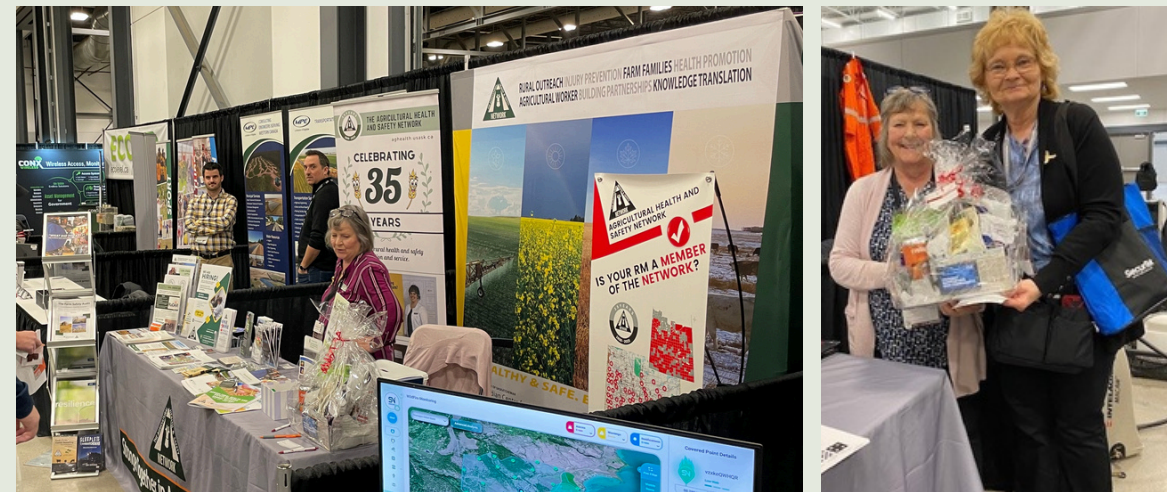
STRONGER TOGETHER IN AGRICULTURAL HEALTH AND SAFETY

SARM Annual Convention & Trade Show 2024

March 13th - 15th, Regina, SK

The Agricultural Health and Safety Network attended SARM's Annual Convention and Trade Show 2024 in Regina, SK on March 13th-15th. During the convention and trade show, the Network had a strong presence by hosting our AGM, a trade show booth, award presentations, and an informal steering committee meeting!

Trade Show



The Network hosted a booth at the trade show from March 13th to March 15th, where we shared our resources and connected with rural dwellers from across Saskatchewan. Additionally, we provided booth visitors with the opportunity to win a door prize, along with some Network merchandise.



Annual General Meeting

The Network convened its Annual General Meeting on March 14th, 2024, during the SARM Annual Convention and Trade Show. During the meeting, we reviewed Network activities from the previous year and recognized members with RM awards for their membership milestones. We had an attendance of 75 people from different RMs across Saskatchewan.



RM Membership Awards

35 Years

- RM of Lumsden No. 189
- RM of Aberdeen No. 373
- RM of Round Valley No. 410
- RM of St. Peter No. 369
- RM of Fish Creek No. 402

30 Years

- RM of Storthoaks No. 31
- RM of Wolseley No. 155
- RM of Lost River No. 313
- RM of Humboldt No. 370
- RM of Willow Bunch No. 42
- RM of Stanley No. 215
- RM of Perdue No. 346

25 Years

- RM of Hart Butte No. 11
- RM of Elmsthorpe No. 100
- RM of Griffin No. 66
- RM of Wilton No. 472

20 Years

- RM of Cymri No. 36
- RM of Wawken No. 93
- RM of Kingsley No. 124
- RM of North Qu'Appelle No. 187
- RM of Lakeside No. 338
- RM of Nipawin No. 487
- RM of Mervin No. 499
- RM of Auvergne No. 76
- RM of Carmichael No. 109
- RM of Webb No. 138
- RM of Enfield No. 194
- RM of Hoodoo No. 401
- RM of Parkdale No. 498

15 Years

- RM of Weyburn No. 67
- RM of Grassy Creek No. 78
- RM of Silverwood No. 123
- RM of Miry Creek No. 229
- RM of Lake of the Rivers No. 72
- RM of Caledonia No. 99
- RM of Caron No. 162

10 Years

- RM of Hillsborough No. 132
- RM of Willowdale No. 153
- RM of Rodgers No. 133
- RM of Wheatlands No. 163

5 Years

- RM of Val Marie No. 17
- RM of Invergordon No. 430
- RM of Wise Creek No. 77

SARM Scholarship Awards

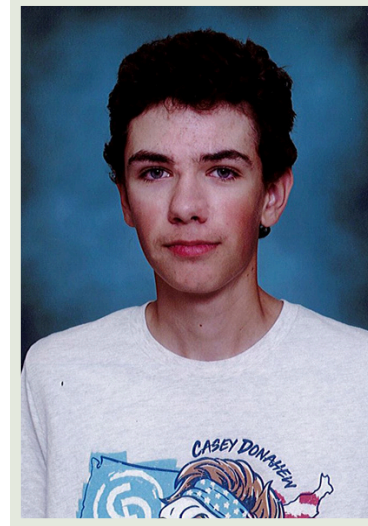
In 1995 SARM auctioned off the first copy of "The Building of a Province: Commemorating the 90th Anniversary of the Saskatchewan Association of Rural Municipalities." The proceeds were contributed to the Canadian Centre for Rural and Agricultural Health to initiate the SARM Student Scholarship.

2024 SARM SCHOLARSHIP RECIPIENTS



Thomas Ries
Humboldt, RM of
Humboldt No. 370

"I am proud to be a farmer's son and be part of a farming family. I have learned respect for the land, equipment and wildlife. I have learned the value of hard work and accomplishing goals. It has taught me that not every year of farming is rewarded financially, but there is no better work or lifestyle than farming."



Brady Hildebrant
Limerick, RM of
Stonehenge No. 73

"Farmers need to learn ways to improve their safety practices as equipment becomes more complex and chemical use evolves. Teaching the next generation of farmers is important so that we learn to identify these hazards and safety procedures. Even at the busy times of year we need to take time to be safe."

Ike Thiessen: Building a Foundation Award



About Ike Thiessen

The inaugural Ike Thiessen: Building a Foundation Award was presented in March 2020 to the Saskatchewan Association of Rural Municipalities (SARM) recognizing the fundamental role they play in helping grow

and enhance the activities of the Agricultural Health and Safety Network. Isaac (Ike) Thiessen was a farmer in the Rural Municipality of Aberdeen (RM #373) and president of the Saskatchewan Association of Rural Municipalities (SARM) from 1986 – 1988. Ike was instrumental in recruiting the first RMs in 1988 to join the Agricultural Health and Safety Network, setting the foundation for future growth.

2024 Ike Thiessen: Building a Foundation Award Recipient



Harvey Malanowich

Harvey is the Reeve of Sliding Hills #273, and served as SARM Division #4 Director northeast region of Saskatchewan.

This award is in recognition of Harvey's exceptional support, dedication, and contribution to promoting health and safety in Saskatchewan.

SARM Fireside Chat



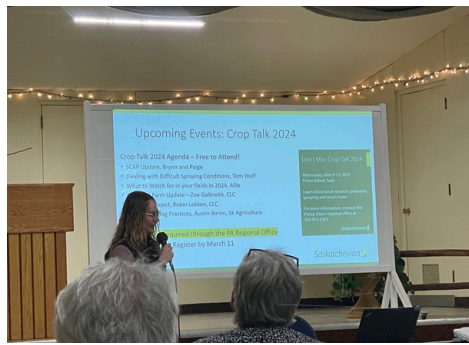
CCRAH Professional Research Associate Merle Massie was the invited SARM Fireside Chat speaker for 2024. In a conversation led by SARM communications lead Rustie Dean, Merle and Rustie spoke about Saskatchewan history and what it's like being a rural historian, farmer, and researcher. Merle shared Saskatchewan rural and health history stories and enjoyed meeting many people at the Network booth, eager to chat about Saskatchewan's past. She gave interviews to both CTV News and CJME 980 radio about the historical roots and future of rural health initiatives.

Afternoon of Agriculture

March 6th, 2024

AFTERNOON OF AGRICULTURE

The Agricultural Health and Safety Network attended and presented at "Afternoon in Agriculture" on March 6, 2024 at Spruce Home Hall. The Agricultural Health and Safety Network had the opportunity to give a great program presentation about our services, partnerships and outreach initiatives. We also made some great connections for RM member recruitment! Looking forward to participating again next year!



Saskatchewan Safety Seminar Trade Show

February 6th & 7th



The Network attended the Saskatchewan Safety Seminar Trade Show on February 6th and 7th in Saskatoon, SK. The Network set up a booth during the trade show, and it was a big hit. Numerous individuals expressed interest in learning more about the Network's farm safety resources by stopping by our booth and having a chat with us about health and safety on the farm! Thank you to Saskatchewan Safety Council for hosting an amazing event!

Canadian Agricultural Safety Week

Agricultural Health and Safety Network



GOVERNMENT OF SASKATCHEWAN

Certificate of Recognition

I, David Marit, Minister of Agriculture in the Province of Saskatchewan in exercise of the powers conferred upon me, do hereby designate the week of March 10 – 16, 2024 to be:

"Agricultural Safety Week" in Saskatchewan

And I request the citizens of the Province of Saskatchewan to recognize this week.

Dated at the City of Regina this 24th day of January 2024.



David Marit
MINISTER

CANADIAN AGRICULTURAL SAFETY WEEK
March 10-16, 2024

FARM SAFETY is important year-round.
Plan for #FarmSafetyEveryday.

agsafetyweek.ca

The Network celebrated Canadian Agricultural Safety Week on March 10-16th by sharing our resources and highlighting the Network’s partnerships. The Network supports farm safety year-round by planning for #FarmSafetyEveryday!



Do you have a farm safety story that you would like to share?

Please contact aghealthandsafety@usask.ca to share your story with us!

Seeding Success Workshop



The Agricultural Health and Safety Network attended the recent Seeding Success farm business practices assessment workshop in Saskatoon on March 6th.



FARM MANAGEMENT CANADA
GESTION AGRICOLE DU CANADA

**Thank you to
Farm
Management
Canada for
leading the
informative day!**

Canada's Agriculture Day



Let's celebrate **the food we love**

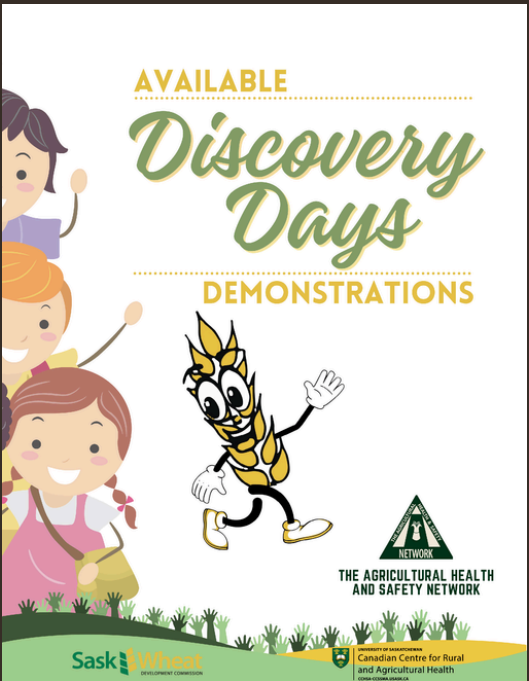
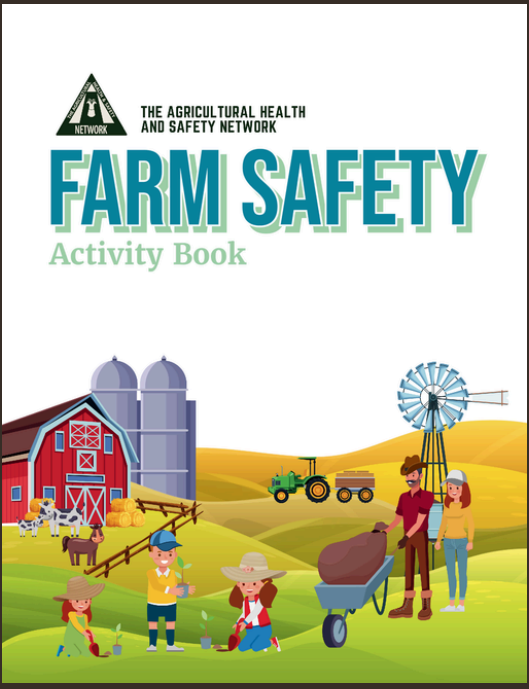
**Forks were raised
to recognize the
continuous effort
and dedication of
every farmer in
Canada!**



The Network celebrated Canada's Agriculture Day with social media posts and also celebrating it with farmers and RM employees during a One2One Clinic in Bulyea, SK - RM of McKillop No. 220!

DISCOVERY DAYS

Agricultural Health and Safety Network



What is Discovery Days?

Discovery Days is an educational program to raise awareness among Saskatchewan farm children of the hazards and risks of living on a farm and how to recognize and avoid those risks. Through presentations and hands-on training at Discovery Days, kids will learn about farm machinery hazards, health and safety, animal safety, and so much more!

LEARN MORE ABOUT

DISCOVERY DAYS

ON OUR WEBSITE!





Hi, I'M TODD! I COME ALONG TO ALL THE NETWORK'S DISCOVERY DAYS PRESENTATIONS AT YOUR SCHOOLS. I LOVE TO SHARE FARM SAFETY TIPS WITH CHILDREN AND TO REMIND THEM THAT SAFETY IS AN EVERYDAY TASK. CANNOT WAIT UNTIL WE MEET AGAIN!

Recent Discovery Days Presentations:

- Drake School, RM of Usborne, No. 310, Div 5
- Raymore School, RM of Mount Hope, No. 279, Div 5
- Viscount School, RM of Viscount, No. 341, Div 5
- Carievale School, RM of Argyle, No. 1, Div 1
- Stoughton Central School, RM of Tecumseh, No. 65, Div 1
- Lanigan School, RM of Usborne, No. 310, Div 5
- Quill Lake School, RM of Lakeside, No.338, Div 4



2636.8 KMs
travelled in March of 2023
for **Discovery Days!**



27 Presentations
at **7 Schools** in **7 RMs** to
385 Students



AGRICULTURAL SAFETY DISCOVERY DAYS

BOOK NOW

Call:

306-966-6644

or

E-mail:

shs954@mail.usask.ca





FARM SAFETY DRAWING CONTEST

APRIL 15TH - AUGUST 15TH
AGES 5 - 13

DRAW A PICTURE ABOUT SAFETY ON THE FARM FOR A CHANCE TO WIN A NEW IPAD! MAKE SURE YOUR PICTURE SHOWS ONE OF THESE FUN FARM SAFETY IDEAS:



HEY KIDS! I WANT YOU TO SHOW ME WHAT FARM SAFETY MEANS TO YOU!

TO
LEARN
MORE,
VISIT:



AGHEALTH.USASK.CA



GRAIN SAFETY



ANIMAL SAFETY



MACHINERY SAFETY



SUN SAFETY

ENTER FOR THE CHANCE TO WIN AN IPAD!

THE NETWORK WILL BE GIVING TWO IPADS AWAY, ONE FOR EACH AGE GROUP:

AGES 5-8 \ AGES 9-13

ONE 2ONE

**RESPIRATORY & HEARING
CLINICS FOR FARMERS**

What are One2One Clinics?

One2One Health and Safety Clinics for farmers are offered to assess farm families and farm workers respiratory or hearing health either at our Network clinic at USask campus or in your local RM. Through this service, we are empowering farmers to enhance their health and safety.

Interested in hosting a hearing or respiratory clinic for your farm families?

Contact (306) 966 - 6643 or via email



Recent One2One Clinics

- Allan, RM of Lost River No. 313, Div. 5
- Balcarres, RM of Tullymet No. 216, Div. 2
- Vancoy, RM of Vancoy No. 345, Div. 5
- Jedburgh, RM of Garry No. 245, Div. 4
- Whitewood, RM of Willowdale No. 153, Div. 1



RESEARCH

OCCUPATIONAL HYGIENE AND HEALTH LABORATORY

Mina Movasaghi, an MSc Student co-supervised by Dr. Kirychuk, successfully defended her MSc thesis “Microbial Decontamination of Egg Surface via Cold Plasma” on February 29th, 2024.

Roger Bolo presented a poster entitled “A Chemical-Free Electro-nanospray system for decontamination of Pig Barns” at the SEIMA SustainTech Conference in Saskatoon on March 20th and 21st.



For more information on the laboratory, services we offer, and pricing inquiries:

Please contact our Faculty Lead

Dr. Shelley Kirychuk

shelley.kirychuk@usask.ca

OR contact our Laboratory Manager

Brooke Thompson

brooke.thompson@usask.ca

Our Fees for Service, Publications and Projects can be found on our website!

FUNDING, PUBLICATIONS & PRESENTATIONS

Occupational Hygiene and Health Laboratory

Presentations

- **Castillo Toro A, Kirychuk S, Thompson B, Nolting C, Lemieux J, Veillette M, Turgeon N, Duchaine C.** Antimicrobial-Resistance Genes in Bioaerosols from Livestock Operations. Health Sciences 990 Seminar Series, February 6, 2024
- **Bolo R, Martel M, Thompson B, Zhang L, Predicala B, Kirychuk S.** Development and assessment of emerging green technologies to reduce aerosol risks and hazards in livestock production. Agrivita Canada Inc Annual General Meeting, Feb 13, 2024, Saskatoon, SK.
- **Larios D, Letourneau V, Thompson B, Baghdadi M, Gravel J, Clouet-Cote V, Dhib I, Bergeron K, Castillo Toro A, St-Germain M, Carranza-Diaz AK, Turcotte S, Martel-Kennes Y, Predicala B, Zhang L, Kirychuk S, Duchaine C, Godbout S.** Developing Strategies to Minimize Health Risks in Next-Generation Livestock Buildings Integrating Modern Animal Welfare Considerations. Agrivita Canada Inc Annual General Meeting, Feb 13, 2024, Saskatoon, SK.
- **Bolo R, Predicala B, Barraza-Garcia F, Martel M, Thompson B, Guo H, Kirychuk S, Zhang L.** A Chemical-free Electro-Nanospray System for Decontamination of Pig Barns. SEIMA SustainTech Conference 2024, Saskatoon, SK, March 20-21, 2024.

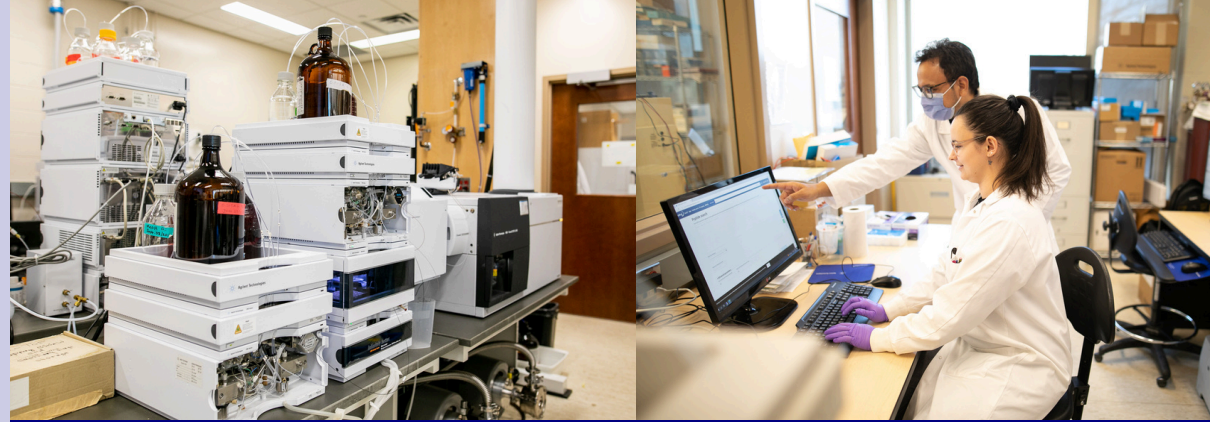
MASS SPECTROMETRY LABORATORY FOR OMICS RESEARCH

Daniel Chao presented his undergraduate honour's project "Take a Break from the Shake: Implications of Vibration on Protein Expression in the Brain" to the Department of Biochemistry, Microbiology and Immunology on April 1, 2024. Daniel will be working in the lab this summer analyzing the serum samples from rats pre and post vibration exposure.

Ibrahim Hoja successfully defended his PhD thesis on April 3, 2024.

Mitchie Kenept, a Bioscience Technology student from Saskatchewan Polytechnic will be joining the lab from April 29th to May 24th, 2024 for their practicum placement.

Megan Tomilin presented her PhD project "Application of Mass Spectrometry-based proteomics to investigate sex specific protein expression following STEMI" at the BMIS 990 Seminar Series on April 1, 2024



For more information on the laboratory, services we offer, and pricing inquiries:

Please contact our Faculty Lead
Dr. George Katselis
george.katselis@usask.ca

OR contact our Laboratory Manager
Brooke Thompson
brooke.thompson@usask.ca

Our Fees for Service, Publications and Projects can be found on our website!

FUNDING, PUBLICATIONS & PRESENTATIONS

Mass Spectrometry Laboratory for Omics Research

Funding

- **Katselis GS, Shavadia J, Caspar-Bell G, Chumala P, Tomilin M.** Patho-biologic Descriptions of Sodium-Glucose Cotransporter-2 Inhibitors Associated with Proteomics Differences in ST-Segment Elevation Myocardial Infarction. Department of Medicine, \$20,000, 2024-2025

Presentations

- **Julseth L, Katselis GS, Thompson B, Chao D, Tomilin M, Chumala P, Howland J, Burnett D, Milosavljevic S.** Applications of Proteomics to Study Vibration-related micro-concussions. Health Sciences 990 Seminar Series, February 6, 2024.
- **Milosavljevic S, Julseth L, Thompson B, Chao D, Tomilin M, Howland J, Burnett D, Katselis GS.** Take a Break from the Shake: Stand up for safety development and evaluation of interventions for farm machinery operators. Agrivita Canada Inc. Annual General Meeting, February 13, 2024, Saskatoon, SK
- **Tomilin M, Shavadia J, Caspar-Bell G, Chumala P, Mangipudi R, Thompson B, Haddad H, Katselis G.** Using Mass Spectrometry for Biomarker Discovery: Stratifying STEMI Risk Groups. CCRAH Seminar Series, March 19, 2024

- **Tomilin M, Shavadia J, Caspar-Bell G, Chumala P, Mangipudi R, Thompson B, Haddad H, Katselis G.** Application of Mass Spectrometry-based proteomics to investigate sex specific protein expression following STEMI. BMIS 990 Seminar Series, April 1, 2024
- **Chao D, Jusleth L Thompson B, Tomilin M, Chumala P, Howland J, Burnett D, Milosavjlevic S, Katselis GS.** Take a Break from the Shake: Implications on Protein Expression in the Brain. BMIS Undergraduate Honour's Project Presentations. April 1, 2024



Rural Dementia Action Research (RaDAR)



RURAL DEMENTIA ACTION RESEARCH

The RaDAR research program has two main streams, the **specialist Rural and Remote Memory Clinic (RRMC)** and the **rural primary healthcare memory clinics**, and is led by Dr. Debra Morgan. The Knowledge Network in Rural and Remote Dementia Care guides the RaDAR research program and includes people living with dementia and family members, and other stakeholders. The Network meets at the annual **Rural Dementia Care Summit**, the RaDAR team's key knowledge exchange event.

SIGN UP FOR THE RaDAR NEWSLETTER!

To join our mailing list, please contact:

Valerie Elliot v.elliott@usask.ca

Previous editions of the newsletter can be found on our [website!](#)



Members of the RaDAR Team
image credit Debra Marshall



Summit - November 2019



Dr. Andrew Kirk - RRMC
USask Clinic



RaDAR Rural Memory Clinic
- Esterhazy

RaDAR Research News



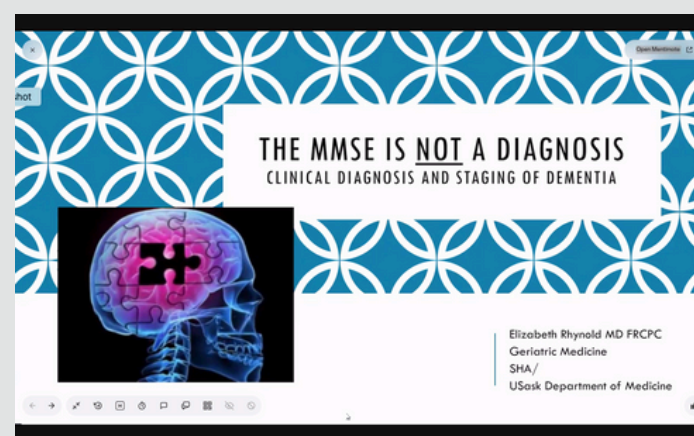
RaDAR @RaDAR_Usask · 9s

Read more about the impact of RaDAR team's work for rural residents, and about @RuralDementiaSK work to make a difference in rural supports for dementia in the province.

@usaskccrah @USaskResearch
discoursemagazine.ca/stronger-toget...



RaDAR memory clinics were recently highlighted in Regina Discourse Research Magazine as one of several projects funded under the umbrella of Dementia Supports in Rural Saskatchewan led by Dr. Bonnie Jeffery.



The RaDAR team hosted a dementia education webinar March 5, 2024 with Dr. Elizabeth Rhynold with 6 RaDAR team members and 45 health care providers and SHA staff. Dr. Rhynold is a Geriatrician and faculty in the SHA/USask Department of Medicine who is originally from Saskatoon and started volunteering at the Geriatric Assessment Unit in Saskatoon while doing a Masters in Biochemistry. In December 2023, Dr. Rhynold returned to Saskatoon after practicing in Saint John, NB and Virden, MB. She is working through the Geriatric Evaluation and Management Program at Saskatoon City Hospital and conducts Comprehensive Geriatric Assessments in a number of settings. The session recording is available on our resources for providers page.

Publications

- **Jones, A., Ali, M.U., Kenny, M., Mayhew, A., Mokashi, V., He, H., Lin, S., Yavari, E., Paik, K., Subramanian, D., Dydynsky, R., Aryal, K., Correia, R.H., Dash, D., Manis, D.R., O'Connell, M. E., Liu-Ambrose, T., Taler, V., McMillan, J.M., Hogan, D.B., Kirkland, S., Costa, A.P., Wolfson, C., Raina, P., & Griffith L. (2024).** Potentially Modifiable Risk Factors for Dementia and Mild Cognitive Impairment: An Umbrella Review and Meta-Analysis. *Dementia and Geriatric Cognitive Disorders*, 1-15. <https://doi.org/10.1159/000536643>
- **Arsenault-Lapierre G., Godard-Sebillotte C., Bui T., Sourial N., Rochette L., Massamba V., Sirois C., Kosteniuk J., Morgan D., Quesnel-Vallee A., Vedel I. (Accepted January, 2024).** Differences in healthcare use across rurality in persons living with dementia from 2000-2019: a Quebec population-based study. *Healthcare Policy*.
- **Kosteniuk J., Acan Osman B., Osman M., Quail J., Islam N., O'Connell M.E., Kirk A., Stewart N., Karunanayake C., Morgan D. (2024).** Rural-urban differences in use of health services before and after dementia diagnosis: a retrospective cohort study. *BMC Health Services Research*, 24(1), 1-11. <https://doi.org/10.1186/s12913-024-10817-3>

Presentations

- **Grewal, K. S., Grewal, E. S., Cammer, A., McWilliams, L., Spiteri, R. J., O'Connell, M. E.** (2024). Integration of Technology with Cognitive Rehabilitation for an Individual with Dementia and Their Care Partner [Poster presentation]. Annual Meeting of the International Neuropsychological Society, New York, NY, USA, February, 14-17, 2024.
- **Proulx, D., Kirk, A., O'Connell, M. E., & Morgan, D.** (2024). Does anticholinergic medication use on patient presentation to a rural memory clinic affect cognitive or functional prognosis at one year? AD/PD 2024, Lisbon, Portugal, March 5-9, 2024.
- **Elliot V., Kosteniuk J., O'Connell M., Morgan D., Cameron C.** Services for older adults living in four rural primary care memory clinic communities and surrounding areas: a multi-method qualitative study. An oral presentation at Canadian Centre for Rural and Agricultural Health Research Seminar, University of Saskatchewan, Saskatoon, March 5, 2024.
- **Morgan D., Kosteniuk J., O'Connell M.E.** Rural primary health care memory clinics: Past, present, and future. An oral presentation at the 2024 Canadian Consortium on Neurodegeneration Partners Forum and Science Days poster sessions. March 20, 2024. Montreal, QC, Canada.
- **O'Connell, M. E.** (2024). Moderator. Tik-Talks: Clinical tools and health services innovations for dementia. Canadian Consortium on Neurodegeneration in Aging (CCNA) Science Days, Montréal, March 20, 2024.



- **Cetin-Sahin D., Claire Godard- Sebillotte, Serge Gauthier, Laura C. Maclagan, Jacqueline Quail, Nadia Sourial, Susan E. Bronskill, Dallas Seitz, Debra Morgan, Mabelle Wilchesky, Victoria Kubuta Massamba, Louis Rochette, Eric E. Smith, Andrea Gruneir, Erik Youngston, Christina Diong, Julie Kosteniuk, Tanya MacDonald, Colleen J. Maxwell, Sid Feldman, Geneviève Arsenault-Lapierre, Mélanie Le Berre, Delphine Bosson-Rieutort, Kori Miskucza, Rosette Fernandez Loughlin, Mario Gregorio, Isabelle Vedel, and the COVID ROSA Research Team.** Intensive care unit admissions decreased by one-fourth during the first two COVID-19 pandemic waves among persons living with dementia in three Canadian provinces. An oral presentation at the 2024 Canadian Consortium on Neurodegeneration Partners Forum and Science Days poster sessions. March 20, 2024. Montreal, QC, Canada.

Funding

- **Seitz D., (NPI) Bronskill S., Ewa V., Goodarzi Z., Gruneir A., Harris D., Kirkham J., Kosteniuk J., Ronksley P., Smith E., Wagg A. (Co-PIs).** (April 1, 2024 – March 31, 2026). Measuring and Improving the Quality of Community-Based Dementia Care. \$249,589 (USD). Alzheimer's Association and Brain Canada.
- **Kuspinar, A., Mayhew, A. (Co-PIs), Beauchamp, M., Griffith, L., Lang, J., O'Connell, M. E., Perez, R., Raina, P. (Co-Is).** (2023-2024). Development and validation of a composite measure of physical function using a battery of performance-based measures: A longitudinal analyses of the Canadian Longitudinal Study on Aging. \$70,000 (CAD). Catalyst Grant: Analysis of CLSA Data, Canadian Institutes of Health Research (CIHR).
- **St. John, P. D. (NPI), Brown, C., Cloutier, D., Griffith, L., Newall, N., O'Connell, M. E., Tate, R. (Co-Is).** (2023-2024). Health Status of Rural Canadians 2.0. \$67,814 (CAD). Catalyst Grant: Analysis of CLSA Data, Canadian Institutes of Health Research (CIHR).

- **Cossette, B., Griffith, L. E., & Nicholson, K. (Co-PIs), Beauchamp, M., Chiu, Y., Dolovich, L., Kouladjian O'Donnell, L., Lebel, K., Lee, J., Levasseur, M., Mangin, D., Mayhew, A., O'Connell, M. E., Sirois, C., Stranges, S. (Co-Is).** (2023-2024). Anticholinergic and sedative medications use in the Canadian population. \$69,980 (CAD). Catalyst Grant: Analysis of CLSA Data, Canadian Institutes of Health Research (CIHR).
- **Chertkow, H. (NPI), Co-Is include 37 researchers from across Canada, including O'Connell, M. E. (2023-2028).** Canadian Consortium on Neurodegeneration in Aging: Application for Phase III CCNA Operations Centre. \$20,555,200 (CAD). Canadian Consortium on Neurodegeneration in Aging, Canadian Institutes for Health Research (CIHR).

In the News

Dr. Lang and the MHE Lab were featured in a [USask press release](#) about a CIHR project relating to breast cancer research and post-treatment function.



Dr. Lang was [interviewed by Farms.com](#) about the MHE Lab's ongoing research into postural exposures and shoulder pain in Saskatchewan farmers.

Dr. Lang's recently funded breast cancer research was highlighted by [CJWW 600](#)!



News articles and press releases are all available below!

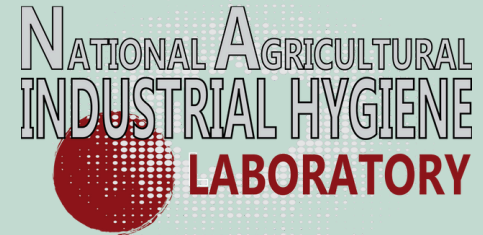


Young scientists (grades 6-12) of the Saskatoon Regional Science Fair visited the MHE Lab in March to learn more about our research. PhD student Denise Balogh and MSc student Lauryn Campbell taught them all things biomechanics, ergonomics, and musculoskeletal health.

FUNDING, PUBLICATIONS & PRESENTATIONS

Publications

- **Lordall, J.*, Akinluyi, O.V.*, & Lang, A.E.** (2024). Validating inertial sensors for in-field humeral and scapular kinematic measurement. *Frontiers in Sport and Active Living*, 6:1349570



Funding

- **Lang, A.E., Groot, G., Kim, S.Y., Carr, T., & Barden, J.** (April 2024 - April 2028). Shoulder dysfunction and breast cancer treatment: biomechanical analysis of the impact of reconstruction and mastectomy. 348076 (CAD). Project Grant, Canadian Institute of Health Research.



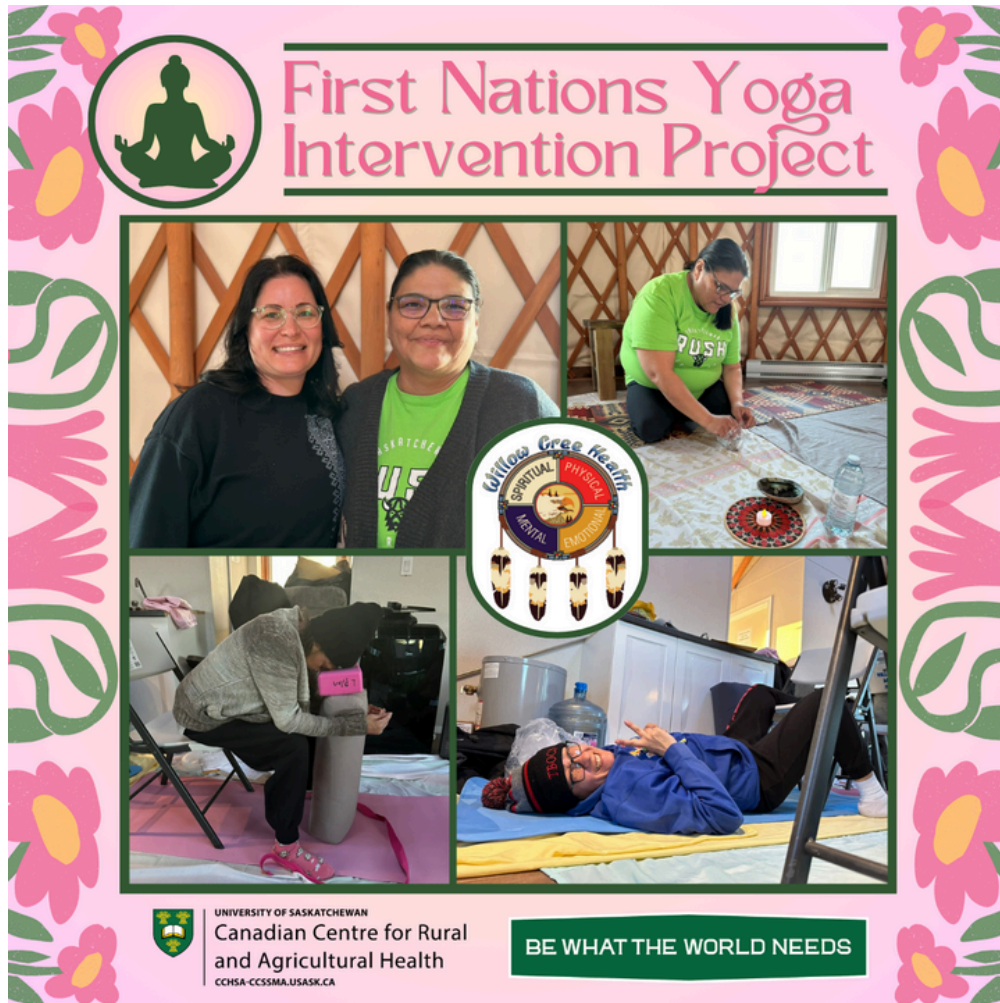
[For more information on the laboratory, services we offer, and pricing inquiries:](#)

Please contact our Faculty Lead
[Dr. Angelica Lang](#)
angelica.lang@usask.ca

More information about our lab and our current research projects can be found on the Musculoskeletal Health and Ergonomics Lab's [website!](#)

First Nations Yoga Intervention Project

In Spring 2024, our CCRAH research team launched an innovative health pilot study in partnership with two Treaty 6 First Nations entitled “**Nêhiyaw Yoga: biomedical intervention and Knowledge Translation among two First Nations Communities**” to assess the effect of yoga practice on sleep health. Building on recent evidence that yoga’s holistic approach to physical, emotional, mental and spiritual health is compatible with the Medicine Wheel model for Indigenous wellbeing, yoga can be identified as a culturally-sensitive intervention for First Nations and Métis people. Based on a decade-long research relationships with these two First Nations communities and as part of a large-scale CIHR-funded study of First Nations’ sleep health, our



research team designed and is in the process of implementing culturally sensitive interventions appropriate to the two rural nêhiyaw communities.

First Nations & Métis Built Environment



The USask Built Environment Research Group has been following up with community and industry in response to our late fall Symposium Building the Future: Housing and Health Forum held at Wanuskewin November 21st, 2023. These community and industry check-ins, held online via Zoom throughout February through April 2024, allowed the research group to solicit feedback and guidance for next steps. The meetings focused on the two top community priorities shared during the symposium and conversations: (1) increasing community capacity for housing; and (2) building strong Saskatchewan network opportunities for Indigenous housing practitioners and leaders. Community and industry indicated that these priorities resonated, and gave suggestions for paths forward. The Built Environment research group is working on building an open online hub to centralize existing and new resources, guides, and checklists to support Saskatchewan Indigenous community housing management and training capacity. The research group is collaborating with Indigenous leadership throughout Saskatchewan to share the community request for increased networking and events for housing, and to support developing and hosting connection events and entities.

First Nations Built Environment Climate Action

First Nations and Métis people in Saskatchewan continue to face unacceptable conditions of housing on-reserve. Some factors that have contributed to these conditions are inadequate funding and culturally unsuitable designs. Thus, our research is focusing on exploring the current landscape for First Nations housing that supports health and addresses the current need of climate mitigation. As part of this project, we will be engaging in conversations with different Indigenous communities, builders and industry partners about energy-efficient homes, possible barriers to energy efficiency, climate change, and solar, wind or geothermal feasibility. The intended results of our project are 1) to build opportunities for the next generation of healthy homes and building in First Nations' communities and, 2) to design a co-constructed pathway between First Nations' communities and researchers to address gaps in capacity and policy that restricts healthy built environments. Our findings will be part of an exhibit that describes visually the knowledge, opportunities, barriers, and next steps that communities are taking to improve social, cultural, health and climate change challenges in housing.



Publications

- **Crockett K*, Lovo S, Irvine A*, Trask C, Oosman S, McKinney V, McDonald T, Sari N, Carnegie B, Custer M, McIntosh S, Bath B.** “Navigating Chaos”: Urban, Rural, and Remote Patient Experiences in Accessing Healthcare with Indigenous and non-Indigenous Perspectives of Living with Chronic Low Back Pain. Canadian Journal of Pain E pub Feb 2024.
<https://doi.org/10.1080/24740527.2024.2318706>

**Research Participants
Needed**



Are you a farmer or farm worker and live in Saskatchewan?

Researchers at the University of Saskatchewan are looking for volunteers (male and female that are adult 18yo or older,) to take part in an ON-FARM motion-tracking study of the upper limb.



As a participant in this study, you would be asked to complete a few arm-focused tasks while your motion is tracked on your farm. Your participation would involve 1 session of approximately 1 hour.

For more information, or to volunteer, please contact:

Dr. Angelica Lang

Email: angelica.lang@usask.ca

Phone: 306-966-5544

"This study has been approved by the University of Saskatchewan Biomedical Research Ethics Board".



PARTICIPANTS NEEDED FOR RESEARCH IN:

POSTPARTUM LOW BACK OR PELVIC GIRDLE PAIN



We are looking for volunteers to take part in a study looking at experiences of postpartum women in Saskatchewan with low back or pelvic girdle pain.

To participate, you must be:

- Living in Saskatchewan
- Between 6 weeks and 18 months postpartum
- Have experienced or are currently experiencing postpartum low back or pelvic girdle pain or dysfunction

As a participant in this study, you will be asked to complete an anonymous web-based survey, which will take approximately 10 minutes. Complete the study [HERE](#) or scan the QR Code.



In appreciation of your time, you can enter to win a gift card draw prize (8 gift cards available).

For more information about this study, please see our [project page](#). If you have any questions, feel free to contact:

Brenna Bath, School of Rehabilitation Science
306-966-6573 back.research@usask.ca

This study has been approved by the University of Saskatchewan Behavioural Research Ethics Board



COGNITIVE KITCHEN

No cost to participate!



- A 6-session virtual social cooking class ft. discussions on strategies to support dementia risk reduction and living well with dementia
- **Two streams available:**
 - One for adults 55+
 - One for care partners of people living with dementia
 - We welcome people living with dementia to attend the program most suitable for them
- **Open to SK residents**
 - Priority given to participants living in rural SK



To Sign Up:



Scan the QR code or enter the link below to complete the intake survey to express your interest

www.surveymonkey.ca/r/cognitivekitchenintake

OR

Contact the Cognitive Kitchen Coordinator at julie.beitel@usask.ca or (306) 966-5303

The optional research component of this program has received ethical approval from the University of Saskatchewan Behavioural Research Ethics Board (Beh #4108).



Funded in part by the
Government of Canada's
New Horizons for Seniors Program



**DEPARTMENT OF ANESTHESIOLOGY
UNIVERSITY OF SASKATCHEWAN**

**PARTICIPANTS NEEDED FOR
RESEARCH IN POSTOPERATIVE DELIRIUM**

**We are looking for patients (aged 65+), their family members,
and healthcare providers to share their experience with
postoperative delirium.**



As a participant in this study, you would be asked to take part in one interview (virtual or by email) about your experiences with postoperative delirium (delirium after surgery). We will also ask questions such as age, gender, languages spoken, and varied abilities. Participation is expected to take less than 1-hour of your time.

Participation is voluntary. Your decision to participate will not affect any benefit of medical care or employment to which you are entitled or currently receiving.

For more information about this study, or to volunteer for this study,
please contact:

Maria Cruz
Department of Anesthesiology
306-966-8305 or maria.cruz@usask.ca



Scan to email Maria
about this study!

**This study has been approved by the University of Saskatchewan Behavioural Research
Ethics Board**

Rural and Agricultural News

SARM

- [Rural Councillor - Spring 2024](#)
- [Rural Dart - March 2024](#)
- [Rural Dart - April 2024](#)
- [Rural Sheaf - February 2024](#)
- [Rural Sheaf - March 2024](#)

CASA Bulletins

- [March 2024](#)
- [March 2024 - 2](#)

Other

- [UFA Announces Engagement with University of Saskatchewan](#)
- [Managing mental health during succession planning on the family farm](#)
- [Saskatchewan Agri-Value Forum and Networking 2024](#)
- [Film told story of women farmers in B.C.'s Peace district](#)
- [USask and Métis Nation-Saskatchewan collaborate on climate change mitigation research](#)
- [Fright Night: A grain farmer's reflection on a fiery farm accident](#)
- [Ministry of Agriculture announces an agriculture safety week](#)
- [Celebrating Women in Agriculture: Wellness, Safety and Leadership](#)
- [Farmers' health is now on the agenda at more ag shows](#)
- [Indigenous stewardship model urged](#)
- [USask researchers use foxes to solve health mystery in Northern communities](#)
- [SPHERU - The Current State of Healthcare in Rural Saskatchewan](#)
- [UBC Faculty of Medicine launches new rural family medicine residency program](#)
- [2024 Reports 2 to 4 of the Auditor General of Canada - Housing in First Nations Communities](#)
- [New revolutionary clinic for Indigenous community opens in Montreal](#)
- [The Many Faces of Dementia in Canada](#)
- [Government of Canada funds Community-based Dementia Programs](#)