

Final Report

The 9th Annual Meeting of the Knowledge Network in Rural and Remote Dementia Care

Summit
9
2016

October 25 & 26, 2016
Western Development Museum
Saskatoon, SK



Health Care Delivery Across the Continuum for Rural and Remote Seniors with Dementia



UNIVERSITY OF
SASKATCHEWAN



Save the Date!

Mark your calendar, and plan to attend the 10th Annual Summit in Saskatoon.

October 23rd and 24th, 2017

This report summarizes the activities of Summit 9, the Ninth Annual meeting of the Knowledge Network in Rural and Remote Dementia Care in Saskatoon on October 25th & 26th, 2016.

Funding to make this Summit possible was provided by Canadian Institutes of Health Research, Saskatchewan Health Research Foundation and the Bilokreli Family RaDAR Trust Fund.

The photos from the Summit used in this report were taken by Debra Marshall.

University of Saskatchewan
Saskatoon, Saskatchewan
March, 2017

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Welcome

Dear Knowledge Network Members,

The 9th Summit of the Knowledge Network in Rural and Remote Dementia Care was held in Saskatoon on October 25 and 26, 2016. The Summit is an annual knowledge exchange event hosted by the Rural Dementia Action Research (RaDAR) team as a strategy for guiding the community-based RaDAR research program. From its beginnings in 2008 as a small Decision-Maker Advisory Group for a Canadian Institutes of Health Research study, the Summit has expanded to a diverse group of stakeholders and decision makers who are interested in learning more about dementia care and in helping to improve the quality of care and quality of life of people with dementia and their caregivers. We call this group the Knowledge Network in Rural and Remote Dementia Care, because of its focus on building connections among a wide range of individuals and organizations with a common goal of improving rural dementia care, and using their combined expertise to ensure that the RaDAR research program remains relevant and useful. Members of the RaDAR research team look forward to the Summit and rely on our connections with new and existing Knowledge Network members for inspiration and practical advice.

Many thanks to the Honorable Greg Ottenbreit, Minister Responsible for Rural and Remote Health, who made his third visit to Summit. We appreciate his genuine interest in dementia care issues in Saskatchewan. We were delighted that Dr. Mark Rapoport, a geriatric psychiatrist from the University of Toronto, could attend and present a keynote presentation on driving cessation in dementia. The issue of driving in dementia is very relevant in Saskatchewan, and particularly in rural and remote areas with few transportation options. Thank you to all the presenters for their contributions, describing current research, programs, and services aimed at improving care for those with dementia and their families in Saskatchewan. The Alzheimer Society of Saskatchewan and the Health Quality Council are key RaDAR partners and we thank them for their ongoing collaborations and involvement in Summit.

Also thank you to everyone who participated in the Summit. If you have attended a Summit you know that it is very much a “working session” and we value your contributions. We hope that you find the Summit of value and that we will see you again in October. We are excited to be holding the 10th annual Summit in 2017. When we started in 2008 we had no idea that we would still be around 10 years later!

I would like to acknowledge the Saskatchewan Health Research Foundation’s support of the RaDAR research program within the CIHR Canadian Consortium in Neurodegeneration in Aging (CCNA). A special thank you to the Bilokreli Family for their support of Summit and the Student Poster Prizes, through the Bilokreli Family Trust Fund.



Debra Morgan

If you did not attend Summit 9, and are interested in attending future Summit meetings please contact Dr. Debra Morgan at: debra.morgan@usask.ca



Agenda Ninth Annual Summit of the Knowledge Network in Rural and Remote Dementia Care October 25th & 26th, 2016 Western Development Museum – 2610 Lorne Ave, Saskatoon

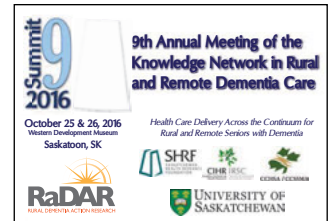
Summit 9
2016

Tuesday, October 25th - Western Development Museum – Butler Byers Hall

- 7:00 pm – 9:30 pm Registration, Wine and Cheese Poster session and informal networking. Please join us in Butler Byers Hall to view posters which highlight a variety of projects from attendees. Appetizers will be served, and a cash bar will be available.
- 7:30 pm – 7:45 pm Welcome, and greetings from the Honorable Greg Ottenbreit, Minister Responsible for Rural and Remote Health

Wednesday, October 26th - Western Development Museum – Butler Byers Hall

- 8:00 am – 8:25 am Registration and Breakfast served in Butler Byers Hall
- 8:30 am – 8:45 am Introduction and welcome – Dr. Debra Morgan, RaDAR (Rural Dementia Action Research) Team Lead
- 8:45 am – 9:30 am Keynote Presentation: *Driving Cessation in Dementia* - Dr. Mark Rapoport, Associate professor of psychiatry at University of Toronto and Neuropsychiatrist at Sunnybrook Health Sciences Centre.
- 9:30 am – 10:00 am Health Services Use Study Results - Dr. Julie Kosteniuk, RaDAR Team & Beliz Acan Osman, Health Quality Council Researcher
- 10:00 am – 10:30 am Morning Break and Coffee
- 10:30 am – 11:45 am Small Group Session (Facilitator: Allison Cammer)
- 11:45 am – 12:00 pm Large Group Discussion (Facilitator: Allison Cammer)
- Noon to 1:00 pm Lunch served in Butler Byers Hall – during the lunch hour Summit participants are welcome to explore the museum and visit Boomtown. The WDM is the keeper of Saskatchewan's collective heritage. The Museum shares the province's unique sense of place with all people for their understanding and enjoyment – recognizing that the legacy of the past is the foundation for a sustainable future.
- 1:00 pm – 2:00 pm On the Radar – New Dementia Initiatives in Saskatchewan (Moderator: Dr. Margaret Crossley, RaDAR Team) -- Panel discussion highlighting dementia initiatives:
- Quality psychosocial and end of life care for people with advanced dementia: *Introducing Namaste Care*. Paulette Hunter, Assistant Professor, University of Saskatchewan
 - The South Saskatchewan Dementia Assessment Unit – from 0 to 5 in 389 Days! Debbie Sinnett, Executive Director, Long term Care, Regina Qu'Appelle Health Region
 - Formative Evaluation of the Outreach Component of the Alzheimer Society of Saskatchewan's First Link™ Program. Leslie Malloy-Weir, RaDAR postdoctoral fellow, University of Saskatchewan
- 2:00 pm – 2:30 pm Our journey to improvement in Dementia care – Jean Daku & Deb Kennett-Russill, Kipling Primary Health Care team - partners involved directly with RaDAR research project.
- 2:30 pm – 2:45 pm Afternoon Break
- 2:45 pm – 3:30 pm Programs and Services Update and information about Young Onset Support Group for People with Dementia - Alzheimer Society of Saskatchewan - Joanne Bracken, CEO; Joanne Michael, Director of Programs and Operations; Trina Hodgson, Client Services Manager; Laura Steves-Green and Jim Walls, First Link Coordinators.
- 3:30 pm – 4:00 pm Cognition (Condensed) – Dr. Andrew Kirk, RaDAR Team Member; Neurologist, University of Saskatchewan
- 4:00 pm Wrap-Up Closing comments and Summit evaluation.



Participants of the Summit were provided with a booklet which included copies of presentations and were given the opportunity to download the presentations. If you would like to request a copy, please see page 13.

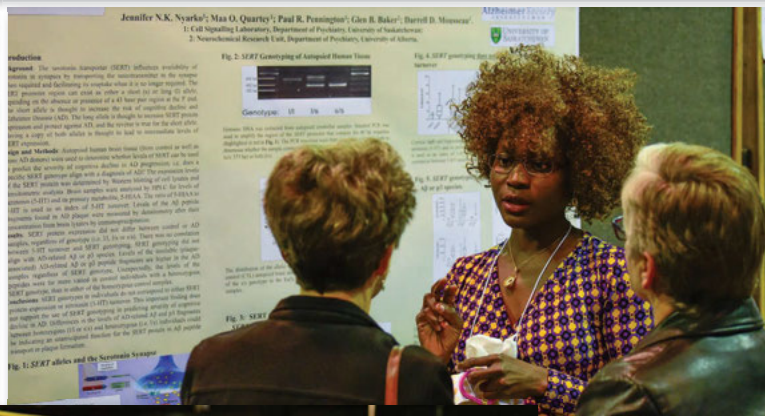
Poster Session - Tuesday evening

The Tuesday night poster session provided an opportunity for participants, researchers, and students to interact in a casual setting. Thirty posters were on display, as well as an interactive display hosted by the Alzheimer Society of Saskatchewan and an information display about driving and dementia hosted by SGI.

The Honourable Greg Ottenbreit, Minister Responsible for Rural and Remote Health, was present and brought greetings from the Government of Saskatchewan.



Debra Morgan with the Honourable Greg Ottenbreit.



Poster Award - The Bilokreli Student Poster Prize

Adjudicated by the poster judges, the Bilokreli Student Poster Prize was awarded to the top three student posters submitted to Summit. The poster prizes went to:

1st Place: Jake Ursenbach

2nd Place (tied): Allison Cammer & Tracy Danylyshen-Laycock

3rd Place: Ryan Verity

Congratulations, and thanks to all students for their participation in Summit.

*(from left to right)
Allison Cammer,
Tracy Danylyshen-
Laycock, Donna
Bilokreli, Jake
Ursenbach, and
Ryan Verity.*



A full listing of all poster presenters and poster titles is available on page 17 of this report.

A booklet of all the posters was created for the Summit. Page 13 includes information about how to access a copy of the booklet.

The Bilokreli Family have established the RaDAR Trust Fund and generously committed \$25,000 per year over three years to the trust. The fund supports the research and knowledge exchange activities of the RaDAR program, and supports student researchers by funding a Student Poster Prize at the Summit.



Overview of today's presentation

- The RaDAR research program
- Role of annual Summit
- Overview of current projects
- Future directions

**Rural Dementia Action Research (RaDAR) Team**

Debra Morgan, University of Saskatchewan
Margaret Crossley, University of Saskatchewan
Vanina Dial Bello-Haas, McMaster University
Dorothy Forbes, University of Alberta
Anthea Innes, Bournemouth University
Andrew Kirk, University of Saskatchewan
Julie Kosteniuk, University of Saskatchewan
Lesley McBain, First Nations University
Haizhen Mou, University of Saskatchewan
Megan O'Connell, University of Saskatchewan
Edna Parrott, Yorkton (family caregiver)
Norma Stewart, University of Saskatchewan
Joanne Bracken, Alzheimer Society of SK

Members from 4 provinces & UK**Disciplines/expertise**

- Nursing
- Neuropsychology
- Physical therapy
- Medicine (neurology)
- Social Sciences
- Psychiatric epidemiology
- Geography
- Health economics
- Family caregiver
- Health region administration
- Non-profit organization

Decision Maker Advisory Council

- Since 2008 the RaDAR Advisory Council has provided **ongoing direction** for the research program in **all phases** of the research cycle:
 - identifying priorities
 - evaluating research findings
 - facilitating dissemination and utilization
 - developing policy implications.

**Goals of the Annual Rural Dementia Summit**

1. **Knowledge exchange between and among decision makers and researchers**
 - Poster presentations
 - Keynote speakers
 - Presentations and discussions
 - Informal KTE & networking
2. **Updating and developing current research projects**
3. **Planning future research directions**

**CIHR Foundation Grant (2016-2023)**

"Design & evaluation of integrated primary health care practices for dementia in rural & remote settings"



- Create the **RaDAR Primary Health Care Dementia Toolkit**
- Adaptable, scalable, sustainable
- 3 linked research streams:
 1. Supporting collaborative **interdisciplinary PHC teams**
 2. Providing **remote dementia education & specialist-to-PHC provider support**
 3. Embedding point-of-care **decision support tools** in EMR

As interest in the Summit has grown over the years, so too has the number of attendees. The Summit moved to Saskatoon's Western Development Museum to better accommodate the group. A record 95 participants attended this year. Dr. Debra Morgan started the morning by welcoming everyone to the new Summit venue. She then gave an overview of the history of the Summit and of the Rural Dementia Action Research team (RaDAR) at the University of Saskatchewan.



The Summit continues to thrive as an invaluable knowledge translation and exchange activity for both researchers and decision makers, and has led to many successes as attendees continue to learn from each other. The RaDAR team researchers draw upon the connections made and knowledge shared during the Summit to ensure that their research is relevant to decision-makers who work in the field of rural and remote dementia care. Summit participants benefit from the networking opportunities that occur at Summit.

Dr. Morgan spoke about the funding that supports the RaDAR research team including new funding awarded in 2016 for the next seven years through a Canadian Institutes of Health Research Foundation Grant. The interchange of ideas and the connections made between researchers and knowledge users that take place at the Summit supported the application for the grant, and will continue to enrich the planned research activities.

Stakeholders from across Saskatchewan are represented at the Summit, and include individuals from: primary health care and chronic disease, long-term care, home care, health region administration, nurse practitioners, family physicians, continuing care consultants, family members, research team members, students, Ministry of Health, Saskatchewan Health Research Foundation, Health Quality Council, Saskatchewan Government Insurance, and the Alzheimer Society of Saskatchewan.



Driving Cessation in Dementia

Dr. Mark Rapoport - *Morning keynote presentation*

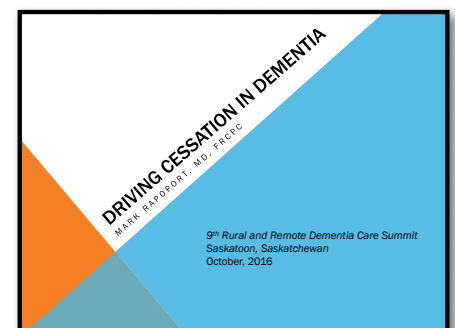
Dr. Mark Rapoport is a geriatric neuropsychiatrist at Sunnybrook Health Sciences Centre, and an associate professor of psychiatry in the division of Geriatric Psychiatry at the University of Toronto. He is also a member of the Canadian Driving Research Initiative for Vehicular Safety in the Elderly (CanDRIVE), and an associate editor of the Canadian Journal of Geriatrics. Dr. Rapoport received his medical degree from McMaster University in 1995, and subsequently trained in psychiatry at the University of Toronto.

Dr. Rapoport's main areas of research are traumatic brain injury in the elderly and the risk of motor vehicle collisions associated with neurological and psychiatric diseases and their treatments. Drs. Gary Naglie and Mark Rapoport are leading the Canadian Consortium on Neurodegeneration in Aging: Team 16 in developing a program to support driving retirement.

Dr. Debra Morgan is part of the Canadian Consortium on Neurodegeneration in Aging and leads Team 20: Issues in Dementia Care in Rural Populations. The CCNA places an emphasis on inter-team communication and information sharing in order to encourage research collaborations and cooperation. It was through the CCNA that Dr. Morgan learned about the research that Dr. Rapoport and his colleagues are doing in the area of dementia and driving. Inviting Dr. Rapoport as a keynote for Summit 9 was a perfect fit for 2016 as previous Summit feedback included strong interest in the area of driving and dementia.

During his keynote presentation Dr. Rapoport discussed the CanDrive research program which aims to determine tests that could be used by physicians to address medical fitness to drive questions. The research program aims to learn more about driving patterns. This includes driving pattern changes over time with changes in medical conditions and function, and what leads to driving cessation in older drivers. It is important to balance the safety concerns that come with dementia and the quality of life of older adults. The research team is working on building a decision tool for clinicians and a toolkit for people with dementia that will be useful for planning for driving-cessation.

Representatives from SGI were present at Summit to follow-up on any Saskatchewan-specific driving questions or comments that came up during the discussion after Dr. Rapoport's presentation.



Health Services Use Study Results - *presentation*

Dr. Julie Kosteniuk & Beliz Acan Osman

Health service use over a 10-year period
by individuals with incident dementia
in Saskatchewan, Canada:
a retrospective matched case control cohort study



Julie Kosteniuk and Debra Morgan – U of S
Beliz Acan Osman – SK Health Quality Council (HQC)
Jacqueline Quail – SK HCQ
Megan O'Connell – U of S
Andrew Kirk – U of S
Norma Stewart – U of S
Meric Osman – SK HCQ

Summit of the Knowledge Network in Rural and Remote Dementia Care
October 26, 2016

Background

Types of health service use patterns

- Scope of health service use** (Schwarzopf et al. 2014, Chen et al. 2014)
 - Proportion (total proportion using services)
 - Volume/intensity (average use per person)
 - Duration of use (e.g., length of stay)
- Physical transitions** between services/settings with a stay of 1 or more nights (Callahan et al. 2012, Sivananthan et al. 2016)
- Intervals** between physical transitions (length of time)
- Sequence** of physical transitions
- Figurative care transitions** (Fortinsky and Downs, 2014)
 - For instance, between symptom recognition and diagnosis



Study objectives

- To **examine patterns** in health service use among individuals with identified dementia:
 - in the 5-yr pre-index period (before dementia identification)
 - in the 5-yr post-index period (after dementia identification)
- To **compare patterns** in health service use:
 - among individuals with identified dementia (dementia cohort)
 - and a matched general older adult (GOA) cohort



Small Group Questions

- What top 2 findings stand out to you as particularly noteworthy or unexpected?
- What top 2 recommendations for action should be made in light of these findings?
- What top 2 factors – that may be related to health service use – should we explore further? (e.g., chronic conditions, income, whether living alone, as recommended by the RaDAR-HQC Steering Committee)



Guidelines

- Write your response to Question #1 (5 minutes)
 - Each person in turn will then say their response aloud (5 minutes)
 - Discuss as a group, coming to a consensus on your group's Top 2 choices (15 minutes)
- Total = max of 25 minutes per question
Repeat for Question #2, then Question #3

At 11:45 everyone will gather together again for a larger group discussion (not a reporting back session)

Morning agenda

9:30: "Health Service Use Study Results"
RaDAR-HQC presentation

10:00: Break

10:30: **Small Group Exercise**

11:45: Discussion of the larger group (all attendees)

12:00: Lunch



RaDAR team member, **Dr. Julie Kosteniuk**, and researcher **Beliz Acan Osman**, with the Saskatchewan Health Quality Council (HQC) co-presented the results of a RaDAR-HQC research study that looked at health service use over a ten year period by individuals with incident dementia in Saskatchewan. The RaDAR team has had an on-going research partnership with the Health Quality Council since 2012, and research initiatives that have come from this partnership have been featured in the past at Summit 7 and during the poster session at Summit 8.

The featured project was based on an analysis of administrative health data from five provincial health databases for a cohort of individuals



identified with dementia. The objectives of the study were to look at patterns of health service use in the five-year period before individuals were identified with dementia, and in the five-year period after they were identified with dementia. A secondary objective was to compare patterns of use between those identified as having dementia to those in a matched general older adult cohort.

The two presenters shared the findings of the study with the Summit attendees. Other researchers involved in the study

were Drs. Morgan, O'Connell, Kirk, and Stewart at the University of Saskatchewan, and Dr. Quail and Meric Osman at HQC.

The study illustrated some distinct patterns of health service among individuals with dementia, as well as differences in usage between individuals with dementia and the matched general older adult cohort. Some of the measures explored included family physician visits and average length of stay in hospital. The results were reviewed in detail, and study conclusions were shared with Summit attendees.

Health Services Use Study Results - *discussion*

Facilitated by Allison Cammer

After the formal presentation, the presenters posed questions to the Summit attendees (reproduced here from their slide deck) that will help the research team to focus on the next steps for this project. Small working groups discussed these questions, followed by a discussion facilitated by RaDAR member **Allison Cammer**.

Examples of suggestions made by participants included further exploration of the types of specialists visited and the categories of medications prescribed, and separating long-stay long-term care admissions from other programs offered in long-term care (e.g., day programs, respite). Further analysis of the health service data are underway and will draw on the recommendations from this session.

Small Group Questions



1. What top 2 findings stand out to you as particularly noteworthy or unexpected?
2. What top 2 recommendations for action should be made in light of these findings?
3. What top 2 factors – that may be related to health service use – should we explore further?
(e.g., chronic conditions, income, whether living alone, as recommended by the RaDAR-HQC Steering Committee)

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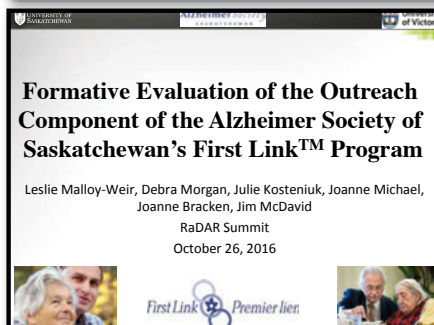
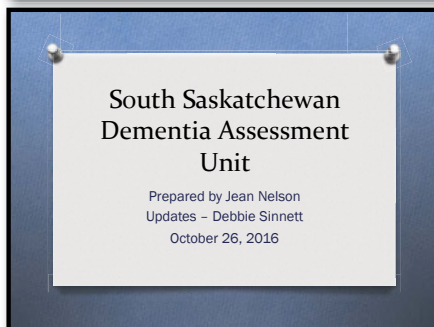
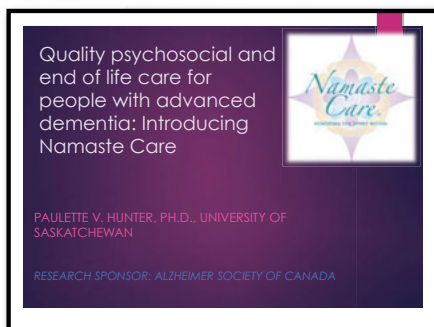
Total = max of 25 minutes per question
Repeat for Question #2, then Question #3

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(not a reporting back session)



On the Radar -- New Dementia Initiatives in Saskatchewan

Afternoon panel discussion

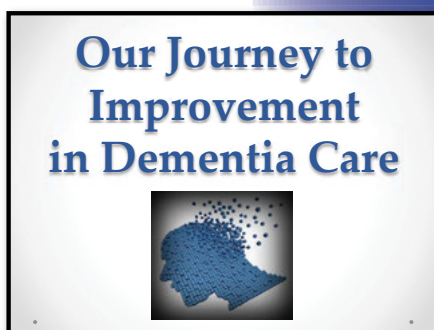


The first On the Radar panel discussion that took place at Summit 8 was a big hit among attendees in 2015, and was brought back for Summit 9. Moderated by RaDAR Research team member **Dr. Margaret Crossley**, the panel focussed on three new projects. Each guest presenter shared information about their initiative and then responded to questions from Summit participants. From the University of Saskatchewan, Assistant Professor, **Paulette Hunter** provided information about a research project that she is involved with. The project is studying the implementation of Namaste Care in a long-term care facility. From Regina Qu'Appelle Health Region, Executive Director, **Debbie Sinnett** presented on the South Saskatchewan Dementia Assessment Unit. She gave an overview of the development of the unit. **Leslie Malloy-Weir**, a RaDAR postdoctoral fellow from the University of Saskatchewan presented information about a research project which she is leading to evaluate the outreach component of the Alzheimer Society of Saskatchewan's First Link Program.



Our journey to improvement in Dementia care

Afternoon presentation



The RaDAR team has benefitted from developing partnerships with health care practitioners in Sun Country Health region while engaged in community-based participatory research activities. Specifically, the Kipling Primary Health Care (PHC) team have joined with the RaDAR team to work on the adaptation of Primary Care - Dementia Assessment and Treatment Algorithm (PC-DATA) and implementation of a Rural PHC Dementia Model in Kipling. After the On the Radar panel, **Jean Daku** (Nurse Practitioner) and **Deb Kennit-Russill** (Regional Manager, Therapy Services), from the Kipling PHC team shared their experiences, highlighting the benefits and challenges the Kipling PHC team has experienced in working with the RaDAR team over the years.



Programs and Services Update and information about Young Onset Support Group for people with Dementia *Afternoon presentation*



The Alzheimer Society of Saskatchewan led an afternoon presentation with an update on their programs and services. They also presented information about the Young Onset Telehealth Support Group for People with Dementia, a new program offered through the society, which builds upon the success of the RaDAR-Alzheimer Society

of Saskatchewan telehealth-delivered support groups for caregivers of individuals with frontotemporal dementia. Presenters included CEO: **Joanne Bracken**, Client Services Manager: **Trina Hodgson**, and First Link Coordinators: **Laura Steves-Green** and **Jim Walls**.

Fact Sheet

- ✓ Meets monthly in the late afternoon (low traffic for clinical use of Telehealth)
- ✓ Up to six Telehealth Sites may be used with multiple participants at sites
- ✓ Members are referred by First Link Coordinators
- ✓ Criteria include participant consent; diagnosis of dementia; <age 65; ability to participate in conversation
- ✓ Care partner or other support may attend, however participation limited to assisting with communication
- ✓ Emphasis is on member directed interaction with facilitators in a complementary and supportive role

Learn More Live Well
Alzheimer Society
Saskatchewan

Connection available across Saskatchewan



- Alzheimer Society Resource Centres
 - Cypress, Prairie North, Prince Albert, Parkland, Regina Qu'Appelle, Saskatoon, Sun Country
- Dementia Helpline
 - 1-877-949-4141
 - www.Alzheimer.ca/sk



Cognition (Condensed) - Dr. Andrew Kirk *Afternoon presentation*

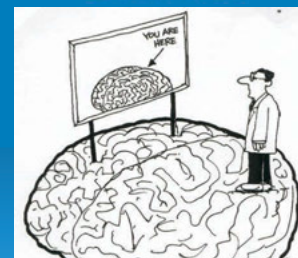


RaDAR Team member, Neurologist **Dr. Andrew Kirk** was the final presenter during Wednesday's Summit meeting. His presentation provided an overview of cognition, the ways in which it can be impaired, and the role of different brain regions in cognition. His presentation included many concrete examples to illustrate the clinical presentation of cognitive change. The fast-paced and engaging presentation was a great way to close the Summit meeting!

OBJECTIVES

- Attendees will have some clinical and theoretical understanding of:
 - 1. Neglect
 - 2. Frontal Disorders
 - 3. Constructional Impairment
 - 4. Apraxia
 - 5. Occipital Disorders

OBJECTIVES



Wrap-Up *Closing comments and Summit evaluation*

Dr. Debra Morgan closed the Summit meeting with thanks to all attendees and presenters who travelled from near and far for their participation. Everyone was encouraged to complete a Summit evaluation, and after the event a prize draw was held from among all of the returned evaluations. **Grace Penner** was this year's prize draw winner - thanks to everyone who completed an evaluation.

Next year will be the tenth annual Summit meeting!

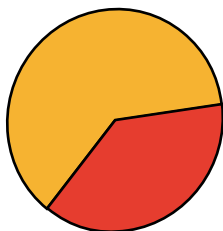
Wrap-up and Evaluation

- Complete the evaluation form and your names goes in a draw for a prize!
- THANK-YOU for your participation today



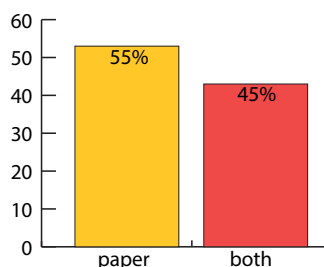
2016 Summit Evaluation

Of the 50 respondents who answered the question, we learned that 64% had attended Summit before, while 36% were attending for the first time.



■ First Summit
■ Been to Summit before

Congratulations to Grace Penner who was the winner of the Visa Gift Card draw from among the names of Summit Attendees who returned their Summit Evaluation Form!



This year Summit materials were provided as downloads as well as paper handouts. 55% of attendees used the paper handouts, and 45% used both the handouts and the electronic documents. We will use this information for planning for Summit 10.

Of the 95 participants, 53 completed and returned a Summit evaluation at the end of the meeting. The feedback we receive from these evaluation forms is integral to our process of reflecting on the Summit and planning for future events.

The Summit organizing team was interested to review the evaluation feedback on our change in venue as this year marked a shift from hosting the Summit at the Sheraton Hotel in downtown Saskatoon to the Western Development Museum (WDM) on the south edge of the city. Many of the comments on the feedback forms were positive about the new venue. Of the evaluation respondents who completed the satisfaction rating scales, all indicated that they were either "extremely satisfied" or "very satisfied" with the WDM venue.

Respondents who gave feedback on the Tuesday night poster session overall expressed that the opportunities to learn about rural and remote dementia care were "very good", and 40 out of 41 respondents would recommend the poster session to a colleague.

Overall, respondents were "very satisfied" with the order of events on Wednesday and "extremely satisfied" with the value they received for their time at the meeting.

Participants this year particularly enjoyed: the keynote presenter, Dr. Mark Rapoport; the presentation by Dr. Kirk; the opportunities throughout the day for networking and sharing of ideas with others; and the breakout discussion sessions.

We learned that next year participants would appreciate if Summit 10: included a broader range of representation from stakeholder groups; if some of the set-up and physical arrangement of the room was done in a different way; included more voices of caregivers and those with dementia - as both attendees and presenters; featured a look-back at the past ten years and highlighted projects and research from past Summits.

When we asked for specific feedback about hosting the Summit at the WDM attendees commented that they liked the ample parking and space for the meeting, and great service from the staff of the venue. This feedback has led to the planning team to confidently book the WDM for Summit 10 in 2017.

I find the Summit very empowering and a great recharge to go back to your work

Enjoyed the variety of the day. Great finish to the day with Dr. Kirk.

The Summit was very well organized and kept on time

the information presented was excellent by all speakers

I appreciate how you bring together so many people with different life & education experiences and you are willing to listen & incorporate all voices. It's refreshing!

*Thank you very much for organizing this! :)
It was great to interact with others who provide care in rural areas and the professionals who support us!*

*Enjoyed the small group discussion
Learned a great deal from others*

2016 Supplemental Resources & RaDAR Update

Summit attendees come from a variety of backgrounds and all share a common interest in rural and remote dementia care. Page 14 of this report includes contact information for attendees.

Copies of Summit handouts and information, and the poster booklet from Tuesday, are available. To request a copy please contact **Duane Minish**, Research Assistant, at duane.minish@usask.ca or phone: 306-966-4098.

In winter, 2017, RaDAR lead **Dr. Debra Morgan** was on sabbatical and traveled to the United Kingdom and the European Union to visit international research colleagues who study rural dementia care. While in the UK she met with RaDAR co-investigator **Dr. Anthea Innes** (Salford University and University of Stirling), **Dr. John Keady** at University of Manchester, and Dr. Michele Board at Bournemouth University. She also travelled to Austria to meet **Dr. Stefanie Auer** (Danube University Krems). Dr. Morgan will be providing an update about her sabbatical at Summit 10.

Web Based Resources

The RaDAR team has a website which includes links to other excellent dementia-related web sites, as well as the latest RaDAR Team project updates and news, be sure to check it out:

www.ruraldementiacare.usask.ca



Gateway for Rural International Initiatives in Dementia (GRIID) - a website that connects rural based research and services from around the world and invites users to contribute content and share rural initiatives from their area.

www.ruraldementia.com

The morning Summit keynote presenter, Dr. Mark Rapoport, is part of a CCNA team researching driving and dementia. Learn more about the research team and their projects at the CCNA site.

<https://goo.gl/6Dm8gS>

Interested in the Wednesday morning discussion about health services use at Summit? Learn more about the outcomes of the research partnership between the RaDAR Team and the Saskatchewan Health Quality Council on the RaDAR projects web page.

<https://goo.gl/3rAL1Z>

Alzheimer's Disease International (ADI) holds an international conference each year. The 2017 conference will be held April 26-29, in Kyoto, Japan. The conference for 2018 is planned for Chicago, USA. ADI also maintains an excellent website with resources and information about dementia from an international perspective.

www.alz.co.uk



Appendix A - Summit 9 Participant Contact Information

Contact information for individual attendees has been removed from this version of the report posted on-line.

Please contact Debra Morgan at the University of Saskatchewan
email: debra.morgan@usask.ca or phone 306-966-7905
for assistance contacting any of the decision makers.



Appendix B - List of Posters Presented at Summit

Poster Presenter	Authors & Poster Titles
Alzheimer Society Staff	Alzheimer Society Programs and Services Staff The Alzheimer Society of Saskatchewan's Support Groups: Empowering people to live well with dementia
Camille Branger	Branger C, O'Connell ME Finding a Balance: Investigating Current Conceptualization and Measurement of Positive Aspects of Caring for a Loved one with Dementia
Julia Brassolotto	Brassolotto, J Intersections of Formal and Informal Care in Rural Alberta's Long-Term Care Facilities
Allison Cammer	Cammer A, Whiting S, Morgan D, Care Aide Perceptions of Best Nutritional Care Practices for Residents with Dementia in Urban and Rural Long-Term Care
Alexander Crizzle	Sanford S, Naglie G, Tuokko H, Crizzle A, Gélinas I, Belchior P, Rapoport M Facilitating Decision-Making about Driving Cessation for People with Dementia: Stakeholder Perspectives
Tracy Danylyshen-Laycock	Danylyshen-Laycock T, Morgan D, Stewart N The Impact of Leadership on Sustainability of a Dementia Specific Training Program in Long-Term Care
Ben Gould	Gould B, Enright J, O'Connell ME, Morgan D Reliable Change (RCI) on Repeatable Battery for the Assessment of Neuropsychological Status (RBANS) in a Dementia Sample
Ben Gould	Gould B, O'Connell ME, Bourassa C, Jacklin K, Carter J Exploring Mi'kmaq Communities' Mental Wellness Needs: Understanding the Appropriate Approaches to Improving Quality of Life
Kaeli Knudsen	Knudsen K, Heistad R, Nyarko J, Greer J, Carvalho CE, Mousseau D Non-canonical amyloid transport by the serotonin transporter mod-5 in <i>C. elegans</i>
Julie Kosteniuk	Kosteniuk J, Morgan D, Acan Osman B, Quail J, O'Connell ME, Kirk A, Stewart N, Osman M CCNA Team 20 Rural: A retrospective matched case control cohort study of health service use over a 10-year period by individuals with incident dementia in Saskatchewan, Canada
Julie Kosteniuk	Kosteniuk J, Morgan D, O'Connell ME, Kirk A, Stewart N A Baseline Study of the Dementia Care Landscape in Sun Country Health Region: A Report by the Rural Dementia Action Research Team

Poster Presenter	Authors & Poster Titles
Wendy Lucyshyn	Lucyshyn W, O'Connell ME, Dal Bello-Haas V Minds in Motion®
Leslie Malloy-Weir	Malloy-Weir L, Morgan D, Kosteniuk J, Michael J, Bracken J, McDavid J Formative Evaluation of the Outreach Component of the Alzheimer Society of Saskatchewan's First Link™ Program
Debra Morgan	Morgan D, Kosteniuk J, Seitz D, O'Connell ME, Kirk A, Stewart N, Holroyd-Leduc J CCNA Team 20 Rural: Developing rural dementia care best practices in primary health care teams: A community-based approach
Jennifer Nyarko	Nyarko J, Quartey M, Penninton P, Baker G, Mousseau D Are targets of depression-related drugs useful diagnostics for Alzheimer Disease?
Megan O'Connell	Burton R, O'Connell ME Exploring interest and goals for videoconferencing delivered cognitive rehabilitation with rural individuals with mild cognitive impairment or dementia
Megan O'Connell	Enright J, O'Connell ME Identity and Caregiver Burden in Dementia: An Evaluation of Telehealth Reminiscence for Informal Caregivers
Megan O'Connell	O'Connell ME, Gould B, Scerbe A, Morgan D, Carter J, Bourassa C, Jacklin K, Warry W Worries about Maintaining Independence of Rural/Remote Older Adults: Opportunities for Technology Development
Megan O'Connell	O'Connell ME, Gould B, Scerbe A, Morgan D, Carter J, Bourassa C, Owl N, Jacklin K, Warry W Unmet Needs of Rural/Remote Older Adults: Opportunities for Technology Development
Maa Quartey	Quartey M, Nyarko J, Pennington P, Chaharyn BM, Maley J, Baker G, Mousseau D Are all β -amyloid peptides bad? <i>*A preliminary investigation*</i>
Wendy Quinn	Quinn W, Hammond Y, DeCoteau E Geriatric Assessment Service (Proposal)
Mark Rapoport	Chee J, Carr D, Herrmann N, Hawley C, Classen S, O'Neil D, Marottoli R, Mitchell S, Tant M, Charlton J, Dow J, Marshall S, Molnar F, Ayotte D, Lancot K, McFadden R, Olsen K, Donaghy P, Taylor JP, Rapoport M Driving With Dementia: A Collaborative International Knowledge Synthesis To Update Clinical Guidelines For Physicians

Poster Presenter	Authors & Poster Titles
Mark Rapoport	Rapoport M, Zuccherro Sarracini C, Rozmovits L, Kiss A, Grigoriev I, Taylor R, Herrmann N, Mulsant BH, Cameron D, Frank C, Seitz D, Byszewski A, Tang-Wai D, Masellis M, Molnar F, Naglie G A Driving in Dementia Decision Tool: Preliminary Analysis
Andrea Scerbe	Scerbe A, O'Connell ME Assessment of Primary Health Care Learning Needs in a Rural Area
Susan Tupper	Tupper S, Christopher GM, Juckes K, Baerg K, Mapping a Pain Strategy for Saskatchewan: findings from stakeholder consultations
Susan Tupper	Tupper SM, Bareham J, Danylyshen-Laycock T, Bergen A Development of a brief education series for healthcare providers: Understanding, Assessing and Managing Pain in Older Adults
Jake Ursenbach	Ursenbach J, O'Connell ME Improving rural dementia diagnosis: Implementing remote specialist-to-PHC provider support
Jake Ursenbach	Ursenbach J, Campeau S, Tariq S, Carlson HL, Coutts S, Barber PA Predicting cognitive decline after TIA with diffusion tensor imaging and texture analysis of normal appearing white matter
Ryan Verity	Verity R, Kirk A, Karunanayake C, Morgan D The "Worried Well": Characteristics of the Cognitively Normal Patient Presenting to a Rural and Remote Memory Clinic



PEER REVIEWED PAPERS

Published/In Press/Accepted:

Bascu, J., Abony, S., Jeffery, B., Johnson, S., & Morgan, D. (accepted December 10, 2016). Examining rural older adults' perceptions of cognitive health. *Canadian Journal on Aging*.

Verity, R. *, Kirk, A., Morgan, D., & Karunanayake, C. (2016). Trends in medication use over eleven years in patients presenting to a rural and remote memory clinic. *Canadian Journal of Neurological Sciences*, 0, 1-4. doi:10.1017/cjn.2016.281

Kosteniuk, J., Morgan, D., O'Connell, M. E., Dal Bello-Haas, V., & Stewart, N. (2016). Focus on dementia care: Continuing education preferences, challenges, and catalysts among rural home care providers. *Educational Gerontology*, 42(9), 608-620. doi:10.1080/03601277.2016.1205404

Hager, D. *, Kirk, A., Morgan, D., Karunanayake, C., & O'Connell, M. E. (2016). Predictors of cognitive decline in a rural and remote Saskatchewan population with Alzheimer's disease. *American Journal of Alzheimers Disease & Other Dementias*, 31(8), 643-649. doi:10.1177/1533317516662334

Burton, R. *, O'Connell, M. E., & Morgan, D. (2016). Exploring interest and goals for videoconferencing delivered cognitive rehabilitation with rural individuals with mild cognitive impairment or dementia. *NeuroRehabilitation*, 39(2), 329-342. doi:10.3233/NRE-161364

Jodouin, K. *, O'Connell, M. E., & Morgan, D. (2016). RBANS Memory Percentage Retention: No evidence of incremental validity beyond RBANS scores for diagnostic classification of mild cognitive impairment and dementia and for prediction of daily function. *Applied Neuropsychology: Adult*. doi:10.1080/23279095.2016.1189425

Kosteniuk, J., Morgan, D., O'Connell, M. E., Kirk, A., Crossley, M., Teare, G., Stewart, N., & Quail, J. (2016). Simultaneous temporal trends in dementia incidence and prevalence, 2005-2013: A population-based retrospective cohort study in Saskatchewan, Canada. *International Psychogeriatrics*, 28(10), 1643-1658. doi:10.1017/S1041610216000818

Kosteniuk, J., Morgan, D., O'Connell, M. E., Kirk, A., Crossley, M., Stewart, N., & Karunanayake, C. (2016). Trajectories of depressive symptomatology in rural memory clinic patients between baseline diagnosis and 1-year follow-up. *Dementia and Geriatric Cognitive Disorders Extra*, 6(2), 161-175. doi:10.1159/000444790

Morgan, D., Kosteniuk, J., O'Connell, M., Dal Bello-Haas, V., Stewart, N., & Karunanayake, C. (2016). Dementia-related work activities of home care nurses and aides: Frequency, perceived competence and continuing education priorities. *Educational Gerontology*, 42(2), 120-135. doi:10.1080/03601277.2015.1083390

Stewart, N., Morgan, D., Karunanayake, C., Wickenhauser, J., Cammer, A. *, Minish, D., O'Connell, M., & Hayduk, L. (2016). Rural caregivers for a family member with dementia: Models of burden and distress differ for women and men. *Journal of Applied Gerontology*, 35(2), 150-178. doi:10.1177/0733464813517547

Branger, C. *, Burton, R. *, O'Connell, M., Stewart, N., & Morgan, D. (online before print June 20, 2014). Coping with cognitive impairment and dementia: Rural Caregivers' Perspectives. *Dementia: The International Journal of Social Research and Practice*. doi:10.1177/1471301214539956

Branger, C. *, O'Connell, M., & Morgan, D. (ePub ahead of print, Jan 30, 2014). Factor Analysis of the 12-item Zarit Burden Interview in caregivers of persons diagnosed with dementia. *Journal of Applied Gerontology*. doi:10.1177/0733464813520222

- Morgan, D., Kosteniuk, J., Stewart, N., O'Connell, M. E., Kirk, A., Crossley, M., Dal Bello-Haas, V., Forbes, D., & Innes, A. (2015). Availability and primary health care orientation of dementia-related services in rural Saskatchewan, Canada. *Home Health Care Services Quarterly*, 34(3-4), 137-158. doi:10.1080/01621424.2015.1092907
- Enright, J.*, O'Connell, M.E., MacKinnon, S., & Morgan, D. (2015) Predictors of completion of executive functioning tasks in a memory clinic dementia sample. *Applied Neuropsychology: Adult*. 22(6), 459-64. doi:10.1080/23279095.2014.992070
- Kosteniuk, J., Morgan, D., O'Connell, M.E., Kirk, A., Crossley, M., Teare, G., Stewart, N., Dal Bello-Haas, V., Forbes, D., Innes, A., & Quail, J. (2015). Incidence and Prevalence of dementia in linked administrative health data in Saskatchewan, Canada: a retrospective cohort study. *BioMed Central Geriatrics*, 15(73). doi:10.1186/s12877-015-0075-3
- Estabrooks, C., Squires, J., Hayduk, L., Morgan, D., Cummings, G., Ginsburg, L., Stewart, N., McGilton, K., Kang, S.H., & Norton, P. (2015) The influence of organizational context on best practice use by care aides in residential long-term care settings. *Journal of the American Medical Directors Association*, 16(6), 537.e1-537.e10. doi:10.1016/j.jamda.2015.03.009
- Forbes, D.A., Strain, L., Blake, C., Peacock, S., Harrison, W., Woytkiw, T., Hawranik, P., Thiessen, E., Woolf, A., Morgan, D., Innes, A., & Gibson, M. (2015). Dementia care evidence: Contextual factors that influence use in northern home care centres. *Online Journal of Rural Nursing and Health Care*, 15(1). doi:10.14574/ojrnhc.v15i1.344
- O'Connell, M., Dal Bello-Haas, V., Crossley, M., & Morgan, D. (2015). Attitudes toward physical activity and exercise: comparison of memory clinic patients and their caregivers and prediction of activity levels. *Journal of Aging and Physical Activity*, 23(1), 112-119. doi:10.1123/japa.2013-0035
- Burton, R.*, Enright, J.*, O'Connell, M., Lanting, S., & Morgan, D. (2015). RBANS embedded measures of suboptimal effort in dementia: Effort scale has a lower failure rate than the effort index. *Archives of Clinical Neuropsychology*, 30(1), 1-6. doi:10.1093/arclin/acu070
- Morgan, D., Crossley, M., Stewart, N., Kirk, A., Forbes, D., D'Arcy, C., Dal Bello-Haas, V., McBain, L., O'Connell, M., Bracken, J., Kosteniuk, J., & Cammer, A.* (2014). Evolution of a community-based participatory approach in a Rural and Remote Dementia Care Research Program. *Progress in Community Health Partnerships: Research, Education, and Action*, 8(3), 337-345. doi:10.1353/cpr.2014.0040
- Morgan, D., Kosteniuk, J., Stewart, N., O'Connell, M., Karunanyake, C., & Beever, R. (2014). The Telehealth Satisfaction Scale (TeSS): Reliability, validity, and satisfaction with telehealth in a rural memory clinic population. *Journal of Telemedicine and e-Health*, 20(11), 997-1003. doi:10.1089/tmj.2014.0002
- Kosteniuk, J., Morgan, D., O'Connell, M., Crossley, M., Kirk, A., Stewart, N., & Karunanayake, C. (2014). Prevalence and covariates of elevated depressive symptoms in rural memory clinic patients with mild cognitive impairment or dementia. *Dementia and Geriatric Cognitive Disorders Extra*, 4(2), 209-220. doi:10.1159/000363226
- Dal Bello-Haas, V., O'Connell, M.E., & Morgan, D. (2014). Maintaining health and wellness in the face of dementia: an exploratory analysis of individuals attending a rural and remote memory clinic. *Rural and Remote Health*, 14, 2722. Available from www.rrh.org.au
- Dal Bello-Haas, V., Cammer, A.*, Morgan, D., Stewart, N., & Kosteniuk, J. (2014). Rural and remote dementia care challenges and needs: perspectives of formal and informal care providers residing in Saskatchewan, Canada. *Rural and Remote Health*, 14, 2747. Available from www.rrh.org.au



Appendix C - RaDAR Research Team Selected Publications - continued

Forbes, D., Blake, C., Thiessen, E., Finkelstein, S., Gibson, M., Morgan, D., Markle-Reid, M., & Culum, I. (2013). Dementia care knowledge sharing within a First Nations community. *Canadian Journal on Aging*, 32(4), 360-374. doi:10.1017/S0714980813000457

Saleh, S.*, Kirk, A., Morgan, D., & Karunanayake, C. (2013). Less education predicts anticholinesterase discontinuation in dementia patients. *Canadian Journal of Neurological Science*, 40(5), 684-690.

Estabrooks, C., Poss, J., Squires, J., Teare, G., Morgan, D., Stewart, N., Doupe, M., Cummings, G., & Norton, P. (2013). A profile of residents in prairie nursing homes. *Canadian Journal on Aging*, 32(3), 223-231. doi:10.1017/S0714980813000287

Meng, X.*, D'Arcy, C., Morgan, D., Mousseau, D. (2013). Predicting the risk of dementia among Canadian seniors: A useable practice-friendly diagnostic algorithm. *Alzheimer Disease & Associated Disorders*, 27(1) 23-29. doi:10.1097/WAD.0b013e318247a0dc

Kosteniuk, J., Morgan, D., & D'Arcy, C. (2013). Use and perceptions of information among family physicians: sources considered accessible, relevant, and reliable. *Journal of the Medical Library Association*, 101(1), 32-37. doi:10.3163/1536-5050.101.1.006

Technical Reports

Kosteniuk, J., Morgan, D., O'Connell, M. E., Kirk, D., & Stewart, N. (2016). *A Baseline Study of the Dementia Care Landscape in Sun Country Health Region: A Report by the Rural Dementia Action Research (RaDAR) Team*. Report printed at the University of Saskatchewan (76 pages).

Morgan, D., & Minish, D. (May 2016). *Summit 8 Final Report*. Final report from the eighth annual summit of the knowledge network in rural and remote dementia care, October 27th & 28th 2015. Report printed at the University of Saskatchewan (24 pages).

Kosteniuk, J., Morgan, D., O'Connell, M. E., Kirk, A., Crossley, M., Teare, G., Stewart, N., Dal Bello-Haas, V., McBain, L., Mou, H., Forbes, D., Innes, A., & Quail, J. (2015). *Simultaneous Time Trends in Dementia Incidence and Prevalence, 2005-2013: Saskatchewan, Canada*. Report printed at the University of Saskatchewan (27 pages).

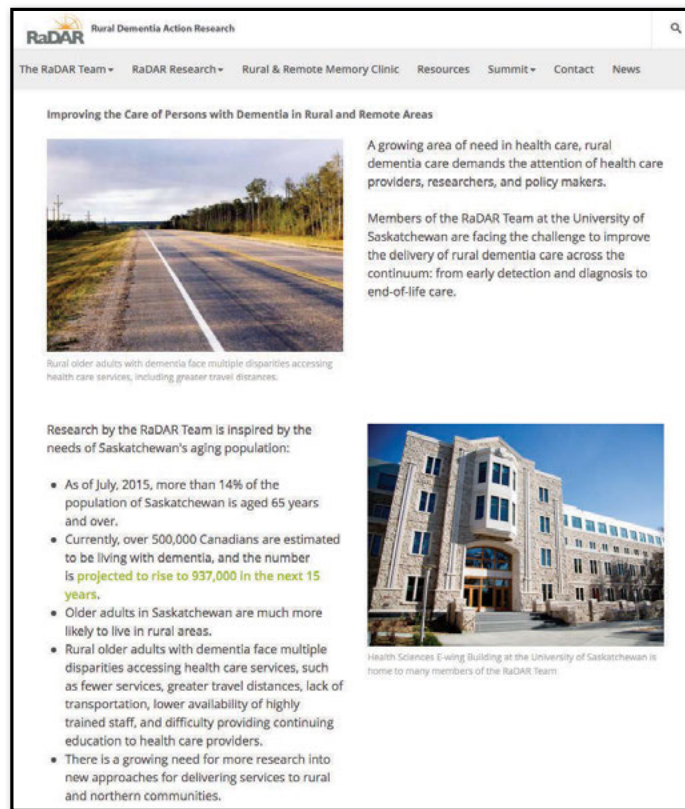
Morgan, D., & Minish, D. (June 2015). *Summit 7 Final Report*. Final report from the seventh annual summit of the knowledge network in rural and remote dementia care, October 21st & 22nd 2014. Report printed at the University of Saskatchewan (24 pages).

Kosteniuk, J., Morgan, D., Quail, J., Teare, G., Kulyk, K., O'Connell, M. E., Kirk, A., Crossley, M., Stewart, N., Dal Bello-Haas, V., McBain, L., Mou, H., Forbes, D., Innes, A., Bracken, J., & Parrott, E. (2015). *A Multi-Method Investigation of Dementia and Related Services in Saskatchewan: Final report and Recommendations*. Report printed at the University of Saskatchewan (160 pages).

Morgan, D., & Minish, D. (July 2014). *Summit 6 final report*. Final report from the sixth annual summit of the knowledge network in rural and remote dementia care, October 24th & 25th 2013. Report printed at the University of Saskatchewan (24 pages).

Kosteniuk, J., Morgan, D., & Dal Bello-Haas, V. (July 2014). *Dementia learning needs assessment for Sun Country Health Region: Survey Report*. Report printed at the University of Saskatchewan (31 pages).

**If you would like assistance accessing any of these publications, or if you would like more information about research conducted by the team, please contact Duane Minish, Research Assistant:
duane.minish@usask.ca or by phone at 306-966-4098**



Visit the RaDAR Team website for more information about team members, team research projects and publications, news, dementia-specific resources, and contact information.

The site features reports and photos from past Summit meetings.

www.ruraldementiacare.usask.ca





Report from the Knowledge Network in Rural and Remote Dementia Care Summit 2016

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