



Telemedicine's Leader

OTN Learning & Meetings

Dr. Rob Williams, CMO

PAHO, October 24

Overview

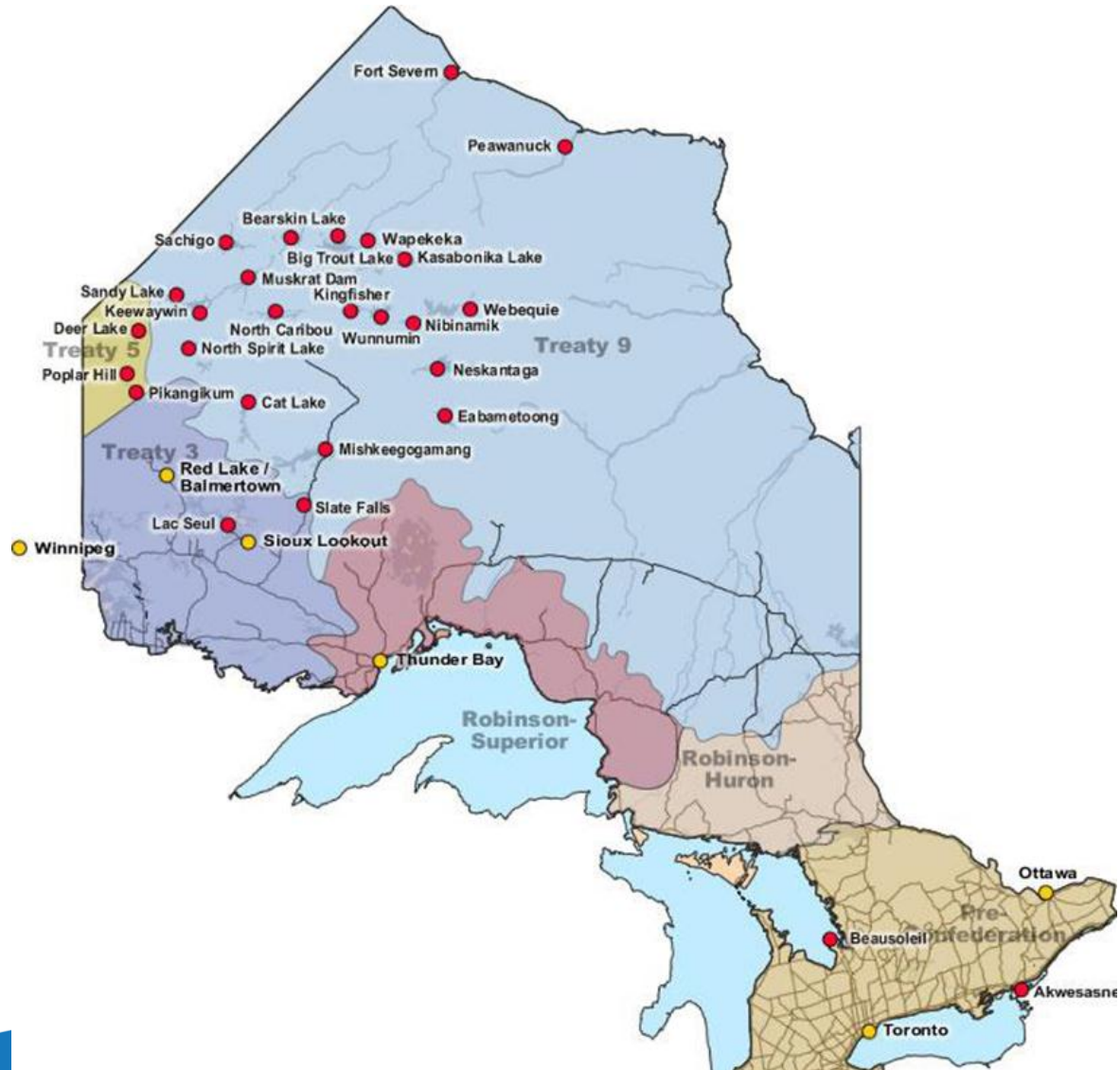
- The Ontario Telemedicine Network
- Our service offerings with a focus on learning
- International Program Concepts



Ontario:
415,000 sq mi
13 M people



KOTM Communities













What is OTN?

- OTN is one of the largest Telemedicine network in the world, helping to deliver clinical care and professional education among health care providers and patients.
- An independent, not-for-profit organization, OTN is funded by the Government of Ontario.



OTN Vision

Telemedicine will be a mainstream channel for health care delivery and education.



OTN “Virtual” Channels



1. Healthcare Office



2. Acute Care



3. Home and Community



4. Learning

1. Virtual Health Care Office



2011/12 Clinical Utilization

		Annual Growth
Patient Events	204,058	52%
Consultants	1,685	13%
<ul style="list-style-type: none">• Physician• Allied	1,208 477	
Regular User Consultants	1,046	22%

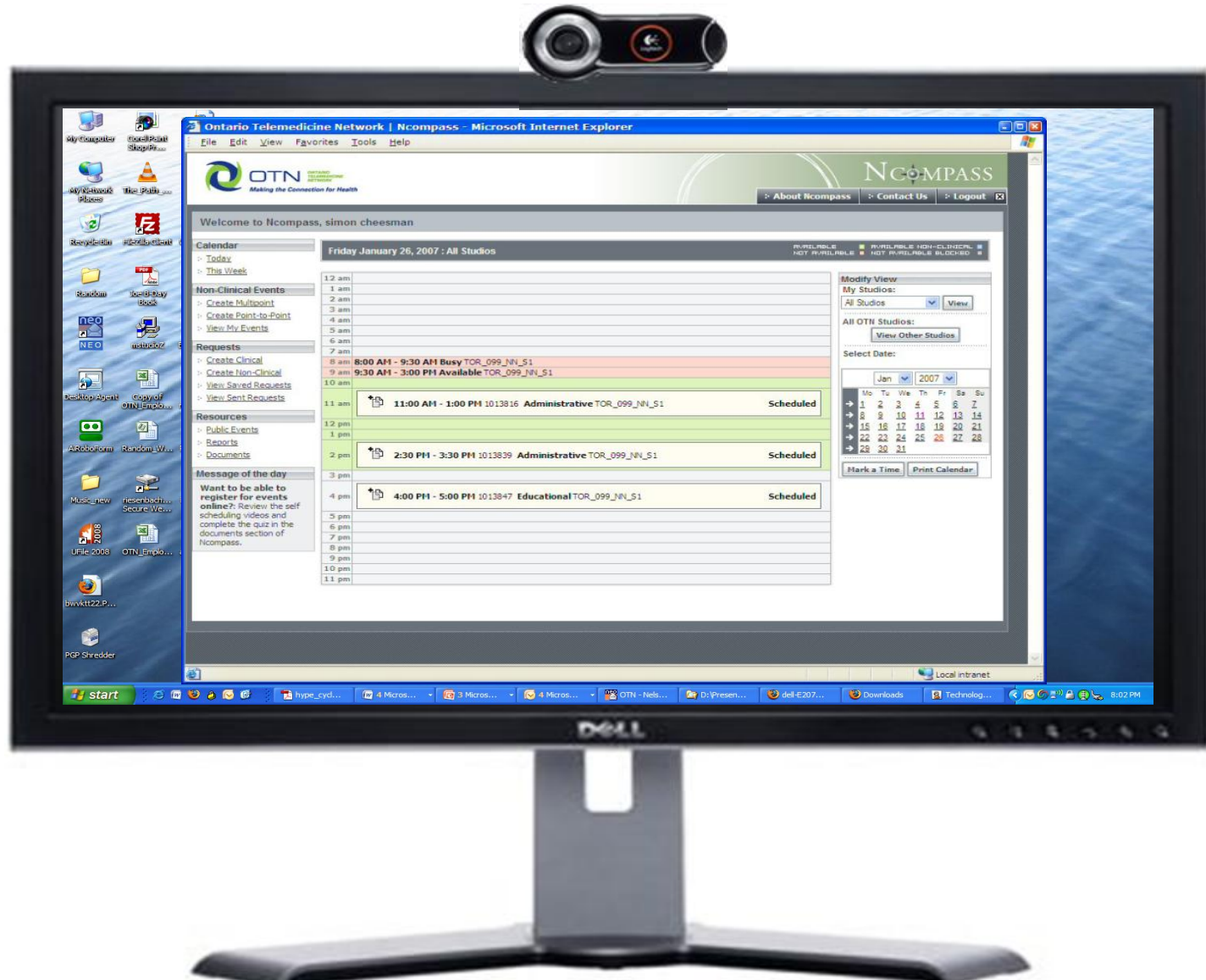
Videoconferencing



Electronic Medical Devices



Online Scheduling



Asynchronous Consultation: “Store Forward” or “eConsult”

- Send PHI, pictures and other patient data to a specialist for advice or a consultation
- Current uses: dermatology, ophthalmology, wound care

The image displays three overlapping screenshots of a telemedicine software interface. The top-left screenshot shows a patient's medical history and a list of images. The middle screenshot shows a patient information form for 'Mouse, Mickey' with a dermatology consult type, and a body map with five numbered regions (1-5) corresponding to five uploaded images of skin lesions. The bottom-right screenshot shows a detailed clinical history form for the patient, including present illness, chronicity, and response to treatment.

Medweb Mouse Mickey, ACCN # 1239919961, Ref MD: Refdoc1
Copyright © 2005 Medweb (Version 4.18 (9) 200502261400)
Mouse Mickey, ACCN # 1239919961, Ref MD: Refdoc1

OTN StoreForward Dermatology Pilot
Patient: Mouse, Mickey Consult Type: Dermatology Created by: Janet Referring, MD
Patient ID: N/A Consulting MD: April Armstrong Status: Draft

Demographics Referral Note Hx / Present Illness Hx / Profile Physical Exam Images Other Data

Images
Drag numbers onto the model to indicate body areas that correspond to images.

Image source: Image files on disk

1 2 3
4 5

Acquire... Acquire... Acquire...
Acquire... Acquire...

Previous Save and Finish Later Other Data >

© Medweb 2005 Powered by Medweb

OTN StoreForward Dermatology Pilot
Hx / Present Illness Hx / Profile Physical Exam Images Other Data

Consult Type: Dermatology Created by: Janet Referring, MD
Consulting MD: April Armstrong Status: Draft

Apply:
itchiness Burning
stinging Bleeding

Chronicity:
 Intermittent
 Persistent
Other, specify _____

Exacerbating factors:
sun or heat
touching
wind
cats

Recent Travel (locations and dates):
Death Valley

Tried for this condition:
spray

Response:
 Improved
 No change
 Worsened

Send Finish Later Hx / Profile >

Powered by Medweb

Directory – Used to find specialists and programs

https://portal.otn.ca/web/guest/consultantprofile?p... SuccessFactors ConsultantProfile - otn.ca otn.local

otn.

Welcome [Telemedicine Directory User](#) Logout
May 30-2012 03:14 PM
[Contact Us](#)

Home Referral Form Schedule (Ncompass) otn.ca

[Back to search results](#)

Consultant Profile

Name	Dr. Roger Labonte
LHIN	13
City	Sudbury
Primary Service (Specialty)	Cardiology
Specialized Area(s) of Practice	Services available in English and French
Catchment Area Served	Northeastern Ontario
Referrals	Yes
Scheduling and Referral Instructions	Please complete the Sudbury Regional Hospital General Cardiology Protocol/Assessment Form for each referral and fax it to Dr. Labonte's office. The office will determine patients to be scheduled for follow up telemedicine visits. Patient are reminded to bring current health card with them to appointment – health card number and version code to be provide during appointment. Appointments are 30 minutes in duration.

[Print Consultant's Profile](#)

[OTN Referral Form](#)

[Request Update to Profile](#)

Last modified Oct 13, 2011

Telemedicine Contact for Consultant

Name	Ms. Nancy Wilson	Name	Mr. Ron Charette
Phone	705-523-7100 x8516	Phone	705-523-7100 x8516
Email	telemedicine@hsnsudbury.ca	Email	telemedicine@hsnsudbury.ca
Title	RN Telemedicine Coordinator	Title	Associate Telemedicine

Directory – Used to find sites to host a patient near their home

OTN Sites

5 KM 10 KM 20 KM 50 KM ALL

Enter a Location
Timmins, ON, Canada

VideoPCVC
 Member

North East CCAC - Timmins
Timmins, P4N 8A4

Porcupine Health Unit
Timmins, P4N 8B7

Dr. Eric Labelle
Timmins, P4N 8P2

Dr. Harry Voogjarv
Timmins, P4N 8P2

Ontario Telemedicine Network (OTN) - Timmins
Timmins, P4N 8P2

Timmins and District Hospital
Timmins, P4N 8P2

Child and Family Services Timmins

Timmins Family Health Team Algonquin
Timmins, P4N 2R8
[Directions](#) [Zoom here](#) [Street view](#)

Map data ©2012 Google - [Terms of Use](#) [Report a map error](#)

Site location data from www.otn.ca

Clinical Specialties in Telemedicine

- Cardiology
- Dermatology
- Endocrinology
- ENT
- General Surgery
- Mental Health & Addiction
- Nephrology & Dialysis
- Neurology
- Occupational Therapy
- Oncology
- Ophthalmology
- Orthopedics
- Pediatrics
- Physiotherapy
- Rehabilitation Medicine
- Speech Pathology
- Teleradiology
- Telestroke
- Urology
- ... And 30 others

Patient Survey Results

2009 data

97%

were satisfied with their telemedicine visit.

79%

said that telemedicine allowed them to see their provider sooner.

85%

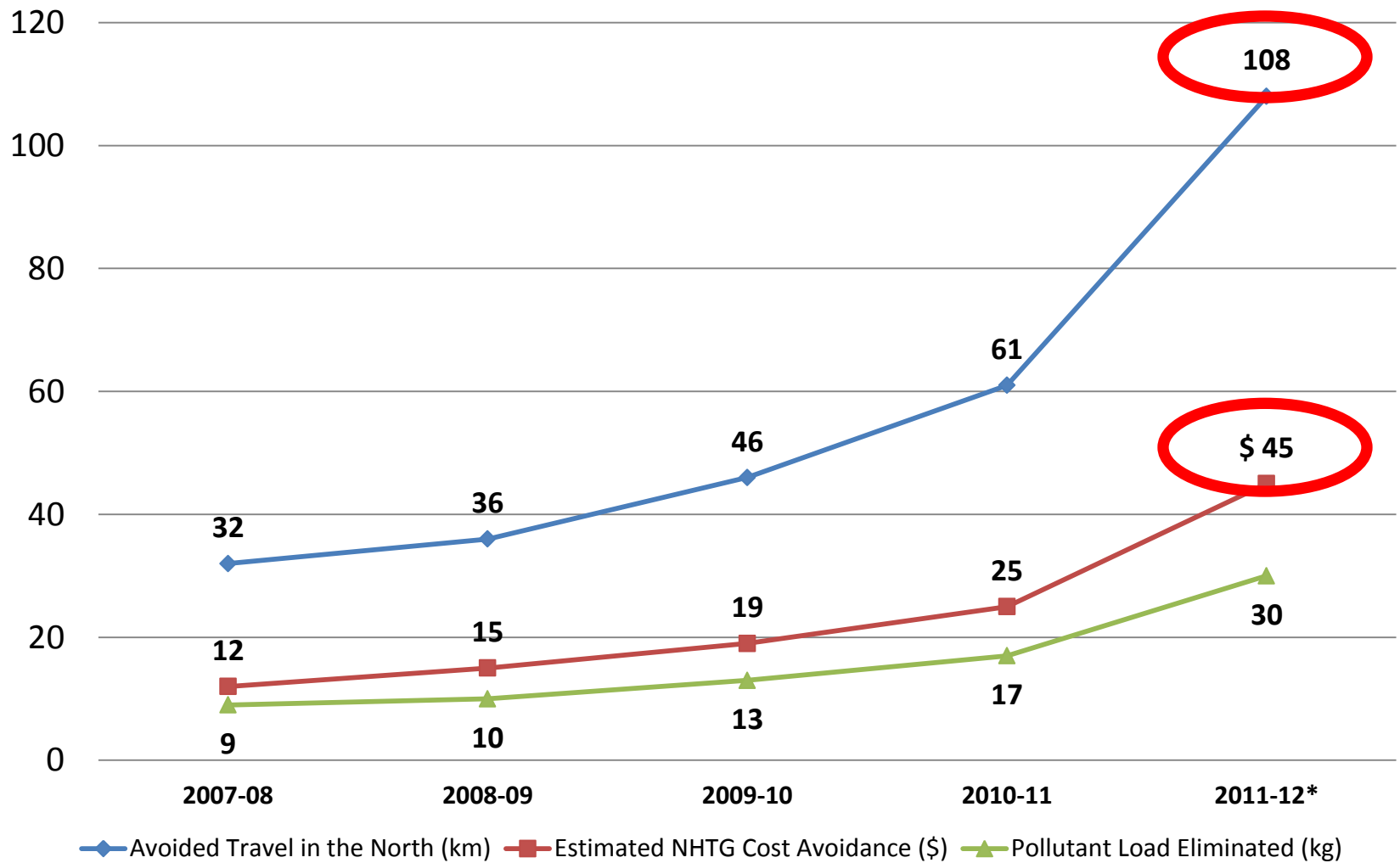
agreed that telemedicine allows them to have more regular follow-up.

83%

agreed that telemedicine helps their providers work better as a team to care for them.

Avoided Travel in Northern Ontario

(in millions)



Home/Calendar

Search

Schedule Event

Learning Centre

Training

Telemedicine Directory

Help & Links

Calendar

Today April 20th, 2012

◀ Today ▶ [Print](#)

0900	<p>0900-0930 <i>Consult - Speech Therapy</i> #123456789 - John A. Smith ed_brown, STUDIO_GC_SYSTEM1</p> <p>Connect</p>
0930	
1000	
1030	
1100	<p>1100-1130 <i>Learning - Auditory</i> #123456789 - You, me, and telemedicine: University... ed_brown, STUDIO_GC_SYSTEM1</p> <p>Connect</p>
1130	

Videoconferencing

My System [Tools](#)

ed_brown
CONNECTED

Favourites [+ Add](#)

simon_ohesman

TOR_M 81_2600_T8IE_01

TOR_8MH_0228_8MH_01

Launch October 29, 2012

2. Acute Care

Provincial 24/7 On-call:

- Tele-stroke
- Sign language services
- Burn

Regional Programs:

- Crisis psychiatry
- Critical care
- Trauma
- Long-term care



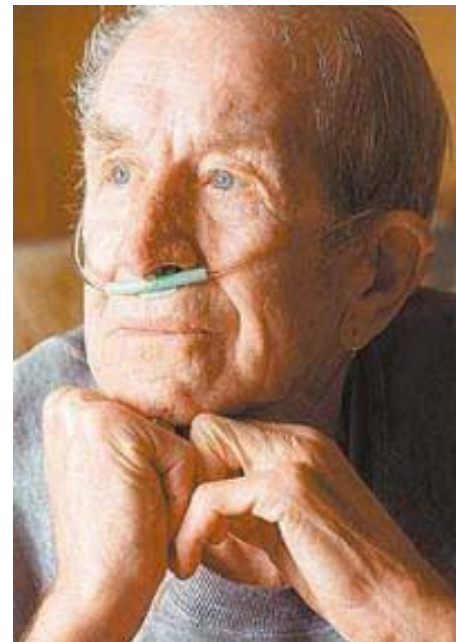
3. Telehomecare and “mHealth” for Chronic Disease Management



Telehomecare/CDM Study Outcomes

Self-reported data from 813 enrolled patients with CHF and COPD

- 64 – 66 % decrease in hospital admissions
- 72 – 74% reduction in emergency department visits
- 16 – 33% decrease in number of primary care physician visits
- 95 – 97% reduction in walk-in clinic visits
- High levels of patient and provider satisfaction



4. Learning & Meetings via OTN

- OTN's Virtual Conferencing Services
 - Two-way multi-point videoconferencing
 - Webcasting
 - Webconferencing
- Remotely access professional development and participate in health care meetings.



Learning through OTN

Benefit for Learners

- Reduce travel time and costs for all participants
- Eliminate time conflicts with archived webcasts

Benefit for Education Providers

- Extend access to education for rural, remote and urban HCPs alike
- Broaden and integrate Ontario's health care knowledge network

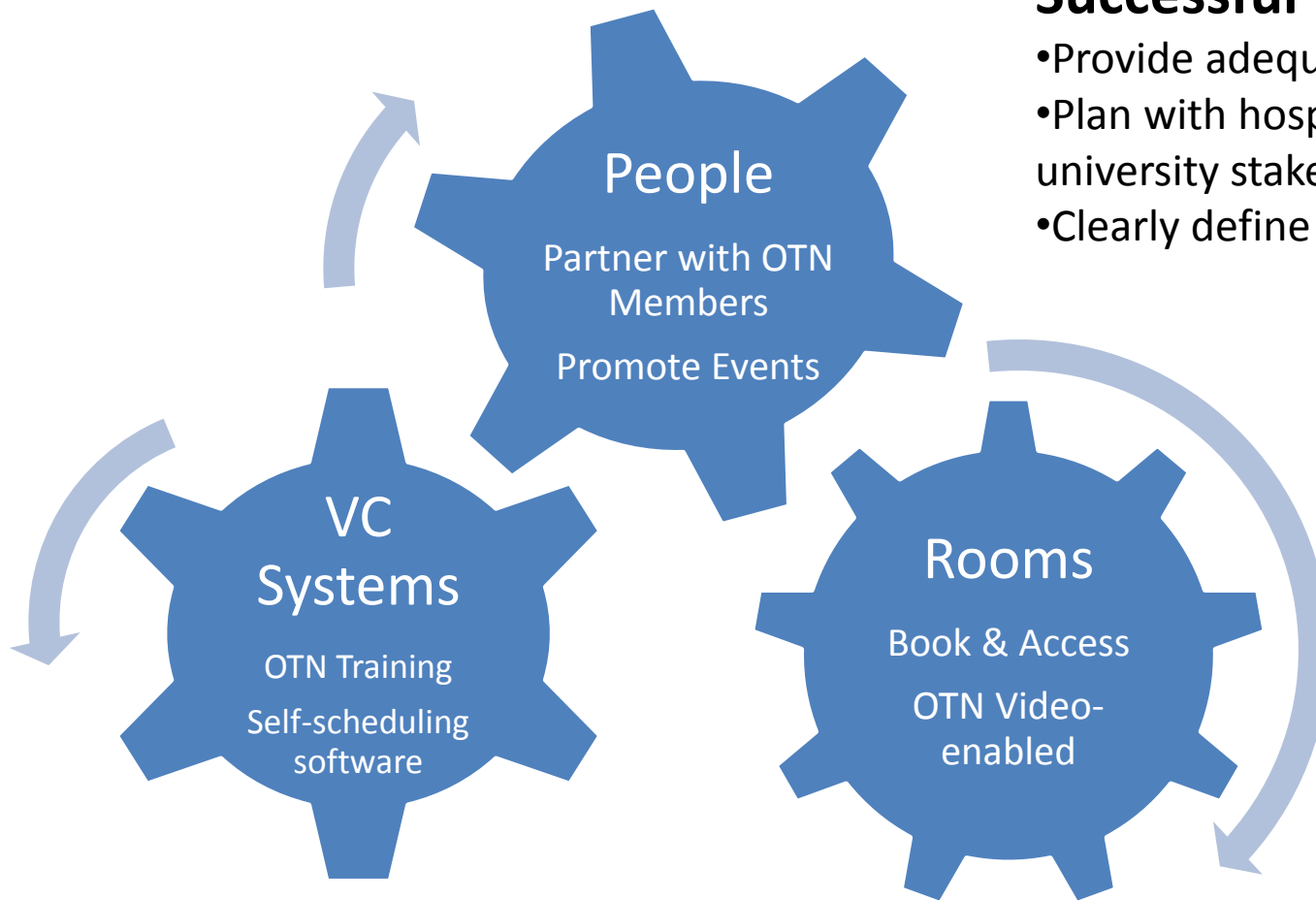
Learning & Meeting Utilization

- Nearly 14,000 educational videoconference events per year
- 400,000+ participants in OTN-facilitated learning
- 1,762 webcasts streamed to PCs
- More than 16,500 virtual meetings
- Webconferencing launched in Fall 2011 with 92% satisfaction rate.

Training & Best Practices

- Presenters
 - [Presenter Guidelines](#)
- Telemedicine Coordinators
 - [Organizer Guidelines](#)
 - eTraining Modules – Sign me up!
 - Equipment
 - Scheduling
 - Webcasting
 - Monthly Teleconferences – “What’s New at OTN?”

Telemedicine Coordinators – Keys to Success



Successful Programs

- Provide adequate TMC resources
- Plan with hospitals, community & university stakeholders
- Clearly define roles & responsibilities

OTN Learning Centre: learning.otn.c



- Open learning events now directly accessible across the province
 - Users can find thousands of learning opportunities
 - Hosts can promote education events provincially
- Search events by area of Therapeutic Care and other details
- Find events on a mobile device



Learning Centre

Login
Search

[Advanced Search](#)

Home

Feb 2012
23
Thursday
07:50-09:15

[Oncology Grand Rounds](#)

Presented By: TOH Organizer and Coordinates: Jill Greenwood, x 73984
Event Title: Oncology Grand Rounds Speaker Name: Dr. Susan Dent

Ottawa

[Poster \(23 Feb 2012 Oncology Grand Rounds.pdf\)](#)

20037166
learning

Feb 2012
23
Thursday
07:50-09:15

[The Dean's Hour "Transforming the Health Care System to Face the Aging Population"](#)

Presented By: Dr. Rejean Jebert

Thunder Bay

[Poster \(Dean's Hour Poster Feb 23 2012 KL \(1\).pdf\)](#)

19944637
learning

Feb 2012

[North Simcoe Muskoka Geriatric Insights: Congestive Heart Failure](#) ((((())) **WEBCAST**

February 2012						
Su	Mo	Tu	We	Th	Fr	Sa
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	1	2	3
4	5	6	7	8	9	10

Personal Learning Alerts

[Manage](#)

[Create](#)

OTN Webcasting Centre

LEARNING & MEETINGS

- » Personal Learning Alerts
- » OTN Webconferencing
- » Resource Library

CLINICAL SERVICES

- » See your patients via OTN
- » Otn.telederm.SF
- » TM Directory
- » Telehomecare

OTN's webcasting service broadcasts thousands of ongoing health professional events. You can access OTN hosted webcasts live or on-demand.

Archived Events

View all archived events.

- Public »
- Private »

Live Events

Participate in a live event.

- Public »
- Private »

[What's New for Webcast Organizers?](#)

[Archived Events](#)
[Live Events](#)

Top Webcasts

[See all](#) →



Hamilton Health Sciences

by: HHSC

83

01:03:37



ESP EFHT From Soup To Tomatoes - Basic

by: Espanola Family Health Team

52

00:48:44



HAM SJHH The Consequences of Chlamydia

by: Rheumatology

52

00:35:34



OTN CMHA Round Table

by: OTN

49

01:20:50



St. Michael's Hospital Occupational Medicine Rounds

by: St. Michael's Hospital

24

00:54:52

[Policy](#)
[Acceptable Use](#)
[Training](#)
[Support](#)
[FAQ](#)

International Program Concepts

- Share the Learning Centre
- Develop a Volunteer Telemedicine Portal

Telemedicine Directory

Cardiology Clinic

Search

[Advanced Search](#)

[Search Tips](#)

Filter Results

- All
- Consultant
- Site

Consultants (5 found)

Showing 5 of 5

Name	LHIN	City	Catchment Area Served	Primary Service	Specialized Area(s) of Practice	Availability
Dr. William Williams	11	Ottawa	LHIN 10 & 11 regionally, all of Ontario and all provinces and territories (except Quebec)	Cardiology	Coronary Artery Disease, Heart Failure, Valvular Heart Disease etc	Jan 31
Dr. Shahid Mecci	13	Sudbury	Northeast LHIN (LHIN 13)	Cardiology	Services available in English, Kannada and Urdu	Feb 10
Dr. Roger Labonte	13	Sudbury	Northeastern Ontario	Cardiology	Services available in English and French	Feb 18
Dr. Shah Nawaz	13	Sudbury	North East LHIN (LHIN 13)	Cardiology	Services available in English, Hindi, Malayalam, Tamil, Urdu	Mar 1
Dr. Lyall Higginson	11	Ottawa	LHIN 10 & 11 regionally, all of Ontario and all provinces and territories (except Quebec)	Cardiology	Coronary Artery Disease, Heart Failure, Valvular Heart Disease etc.	Nov 21

MOCK-UP

Sites (2 found)



Are you still traveling for healthcare?

www.otn.ca



Follow us

[@OTNTelemedicine](https://twitter.com/OTNTelemedicine)

Thank you!

For more information about OTN,
please visit

www.otn.ca

rwilliams@otn.ca

