

# Connecting Patients to Care, From All Across Ontario

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# What is Telemedicine?

- Delivery of clinical care to patients via:
  - Two-way videoconferencing systems
  - Tele-diagnostic instruments
    - Digital stethoscopes
    - Otoscopes
    - Patient examination cameras



# Telemedicine Technologies



# Available Virtually Everywhere

- Not-for-profit organization, funded by Province of Ontario
- Direct Transfer Payment Agent of the Ministry of Health
- >650 sites across Ontario



# Who Uses OTN?

**>1500 Family Physicians**  
have referred their patients

**>1000 Specialists**  
have provided care



# Our Mission and Vision

## Vision:

- For telemedicine to become a mainstream channel for health care delivery and education

## Mission:

- To develop and support telemedicine solutions that enhance access and quality of health care in Ontario, and inspire adoption by health care providers, organizations, and the public

# Benefits of Telemedicine

- Better access to a broad range of clinical programs and services
- Timely diagnosis and treatment
- Improved health outcomes
- Reduced travel time, expenses & the ability to give/receive care closer to home

# Telemedicine Site Locations

- Hospitals
- First Nations Communities
- Medical and Nursing Schools
- Cancer Centres
- Psychiatric Hospitals
- Air Ambulance Program
- Cancer Care Ontario
- Professional Associations (OMA, OHA, RNAO, CPSO)
- CIHI, HIROC
- Public Health Units
- LHIN Offices
- Long-Term Care Homes
- Community Mental Health Facilities
- Community Care Access Centres
- Community Living Centres
- Addiction Treatment Centres
- Eating Disorder Clinics
- Cardiac Rehab Centre
- Family Physician Clinics
- Rural Nurse Practitioners
- Specialists' Offices and Homes
- MOHLTC Emergency Management Unit



# OTN Sites Across Greater Sudbury

- Ward 1: Dr. Nawaz
- Ward 5: City of Lakes Family Health Team Val Caron  
City of Lakes Family Health Team Sudbury  
Pioneer Manor  
Dr. JoAnn Clarke
- Ward 8: Cambrian College
- Ward 10: NOSM  
Northeast Mental Health Centre  
Dr. Nav Mehta  
Dr. Bill McMullen  
Regional Cancer Program / Laurentian Site / Memorial Site / St. Joseph's Site  
Larch Street Clinic  
Community Mental Health – HRSRH  
Centre for Life  
St. Joseph's Villa  
Dr. Jean Guy Gagnon  
Laurentian University  
Canadian Mental Health Association  
Sudbury and District Health Unit

# OTN Sites Across Greater Sudbury

- Ward 11: Findlandia Koti
- Ward 12: Community Care Access Centre  
Metis Nations of Ontario  
Infection Control Network  
The Arthritis Society  
WordPlay – Preschool Speech and Language Programs  
Ontario Telemedicine Network – Regional Office

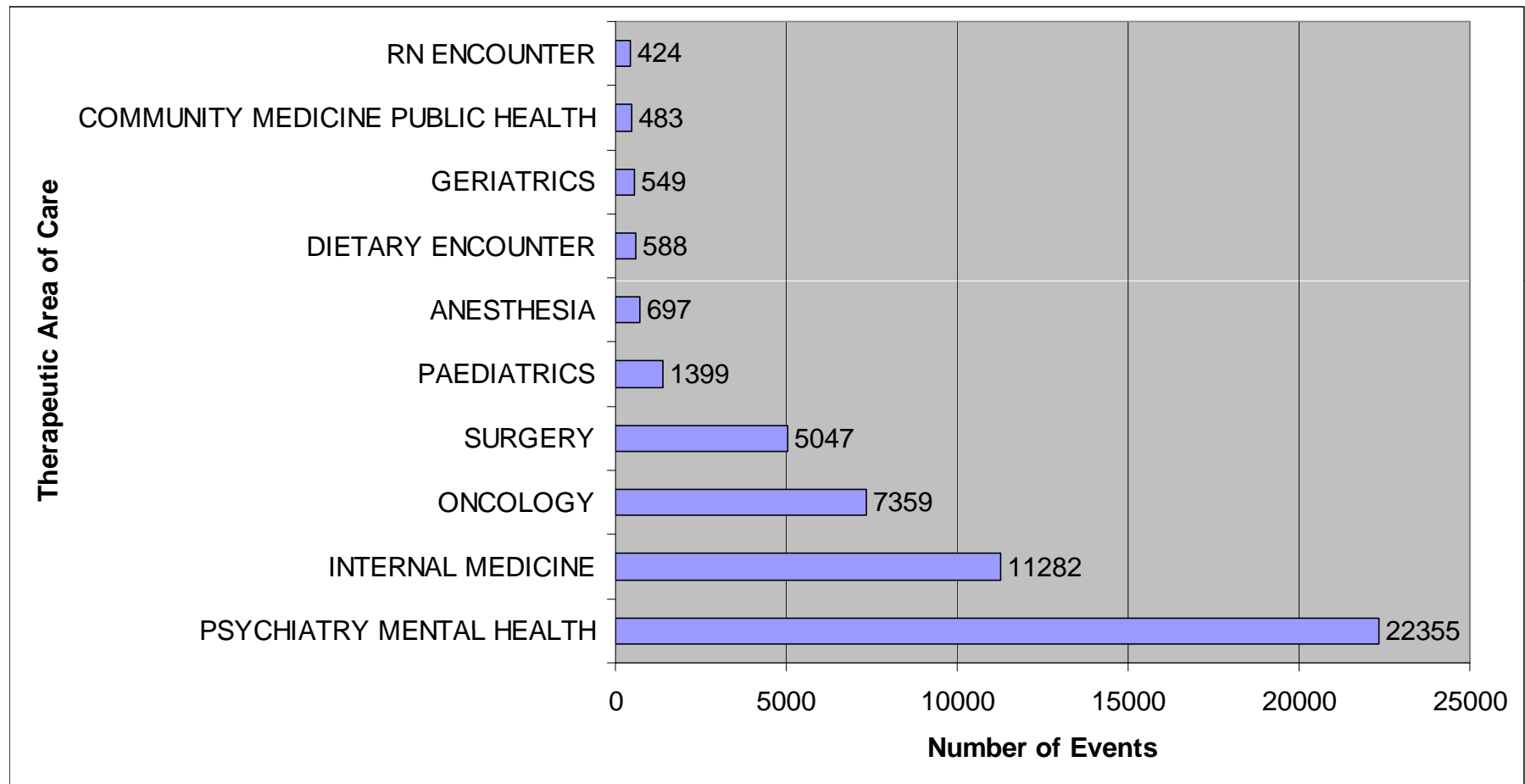
# How Many Patients Are Seen?

## 2008/09

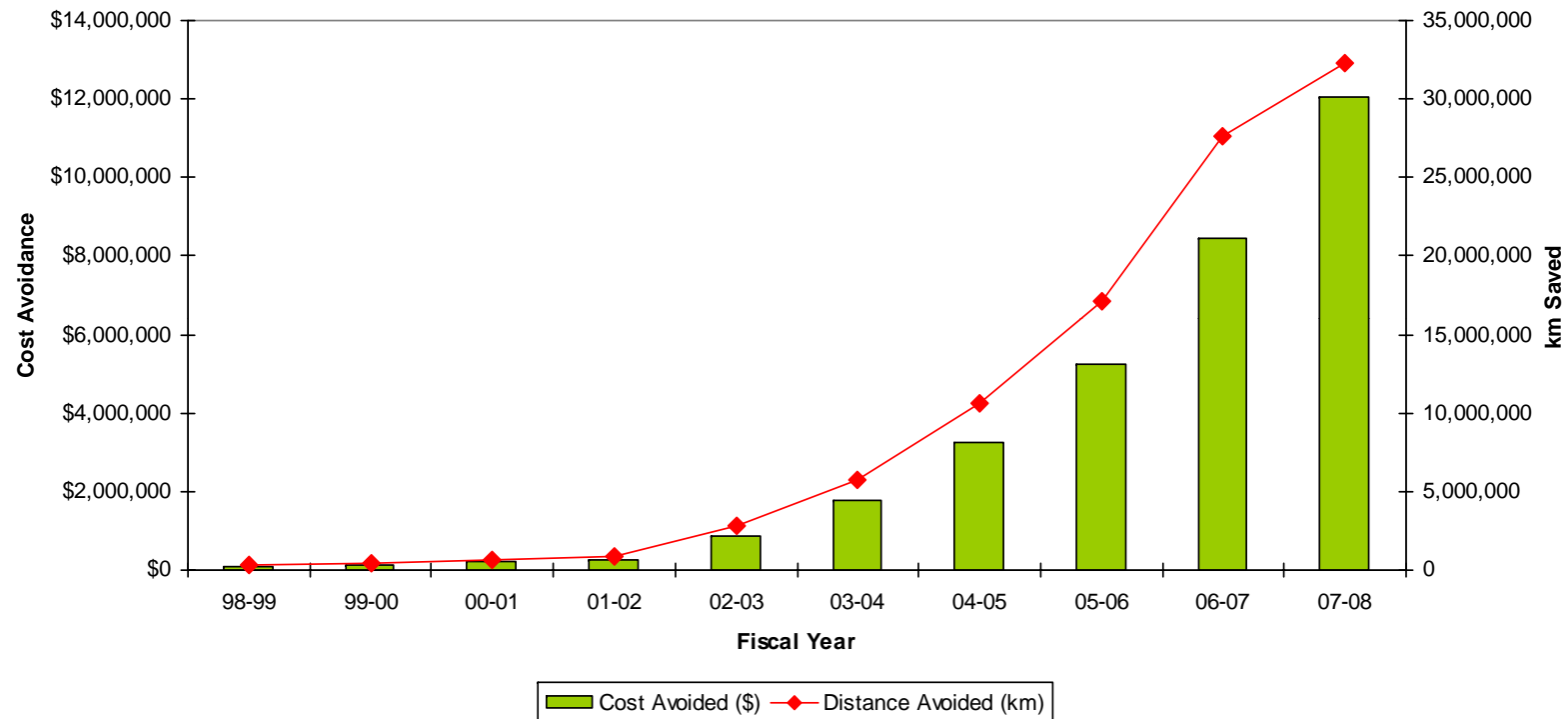
Clinical Events	53,620
Educational Events	9,230
Administrative Events	9,790
<b>Total Events</b>	<b>72,640</b>

# Types By Care Delivered

2008/09 (ytd)



# Cost Avoidance to Northern Health Travel Grant Program



\*Average monthly Northern clinical volume FY 2007-2008

**Total NHTG cost avoidance 1998 – March 31 2008**

**\$32 Million**

**Monthly NHTG cost avoidance @ 2300 Northern consults per month\*:**

**\$1 Million/month (or \$12 Million/year)**

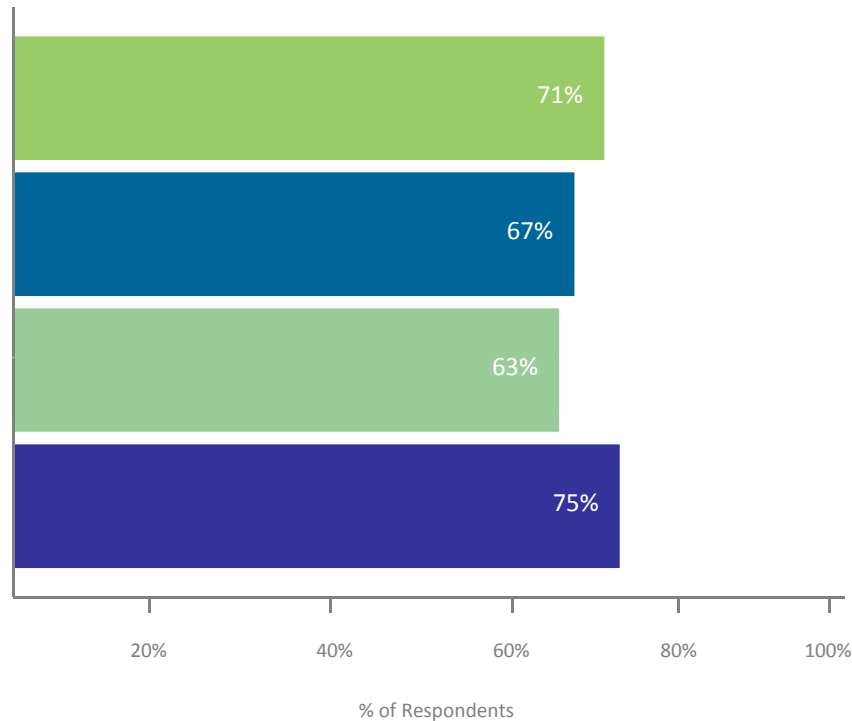
# OTN Support Services

- 24/7 Telemedicine Help Desk
- Referral management and scheduling service
- Training
- Equipment procurement & maintenance
- Network integration & management
- Project development



# Referring Provider Survey Results

Impact of telemedicine on clinical practice (2008 data)



**"I will actively promote telemedicine services in our community and be a resource to develop new areas of clinical consultation. My experience has been that the service provided by the Network has no limits."**

Improved their ability to manage their patients in the community

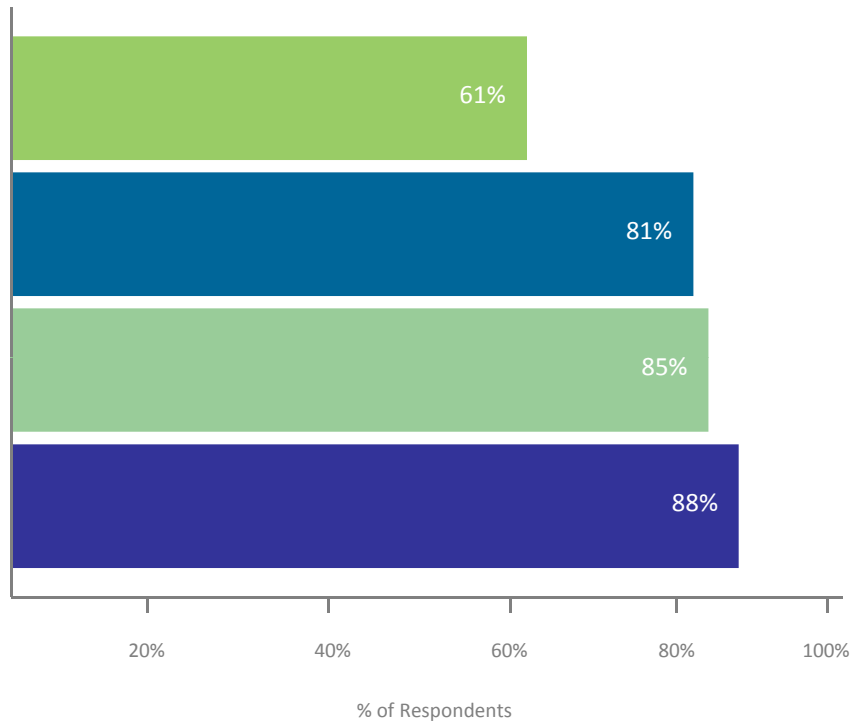
Improved quality of care for their patients.

Improved access to care for their patients

Would recommend videoconferencing to their colleagues for patient consultation

# Specialist Survey Results

How did telemedicine meet specialists' clinical requirements?(2008 data)



**“Once you’re connected it’s like being in the room with the patient and family”.**

Agreed that they had all the information they needed about the patient/condition when the videoconference began.

Agreed that they were comfortable with their ability to interact with patients through videoconference

Agreed that telemedicine is easy to use.

Would recommend videoconferencing to their colleagues for patient consultation



# Patient Survey Results

Overall patient satisfaction with telemedicine (2008 data)

**94%** *would use telemedicine again.*

**97%** *were satisfied with their telemedicine visit.*

**97%** *could see the health care provider clearly.*

**88%** *could talk about the same information that they would have talked about in person.*

# OTN Activity in Sudbury: 2008

Organization	# of Events
Regional Cancer Program	3 883
Sudbury Regional Hospital	<b>2 982</b>
Memorial Site	2 479
St. Jo's Site	144
Cardiac and Pulmonary Rehab	44
Community Mental Health	315
Dr. Mehta	528
Pioneer Manor	467

# OTN Activity in Sudbury: 2008

Organization	# of Events
Northeast Mental Health Centre – Kirkwood (Child & Adolescent Psychiatry)	174
St. Joseph's Villa	74
Northeast Infection Control	72
Community Living - Sudbury	48
Sudbury & District Health Unit	30
CCAC	29
CMHA	21
Dr. McMullen	19
Dr. Gagnon	16

# OTN Education Activity in Sudbury: 2008

Organization	# of Events
NOSM	879
Laurentian School of Nursing	16
Cambrian College	2
<b>OVERALL TOTAL (Sudbury)</b>	<b>12 222</b>

# In Development: NE

Organization	Application
HRSRH	<ul style="list-style-type: none"><li>•E-ICU</li><li>•Acquired Brain Injury (OBIRS)</li><li>•Supportive Care Oncology</li><li>•Mental Health Expansion (Elliot Lake, Espanola, Little Current)</li><li>•Pulmonary Rehabilitation</li><li>•Diabetes Education</li></ul>
NEMHC	<ul style="list-style-type: none"><li>•Word Play</li></ul>
Arthritis Society	<ul style="list-style-type: none"><li>•Joint Assessments, Pain Management, Education</li></ul>
City of Lakes FHT	Clinical, Admin, Education
Sudbury East CHC	Clinical, Admin, Education
Dr. Nawaz	Clinical

# In Development: NE

<b>Organization</b>	<b>Application</b>
Regional Geriatric Centre	Dr. Joanne Clarke – Geriatric Medicine
Turning Point – Chapleau	MH and Psychiatry
Dr. Dressler	MMT to Espanola, Manitoulin Island, Sudbury
St. Charles Community Health Centre	Access to primary and specialty care
Noelville Community Health Centre	Access to primary and specialty care
Wikwemikong – Nadmadwin Health Centre	Access to primary and specialty care

# And we are just at the beginning...

- Telemedicine through OTN is changing the way health care and education is delivered in Ontario and we have mountains yet to climb



# Thank you

For additional information  
about OTN, please visit

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