



City of Greater Sudbury Health Sciences  
**Realizing a Vision**



## A Hub of Health Care Excellence

*“The transition of our hospital to an academic health sciences centre is occurring and that’s important for this community because I believe that teaching and research improves patient care.”*

*Dr. Denis Roy  
CEO, HSN*

Greater Sudbury is the regional referral health centre for northeastern Ontario. A hub of health care excellence has been created in Greater Sudbury that includes Health Sciences North, the Northern Ontario School of Medicine, Laurentian University, the Sudbury District Health Unit, Cambrian College, and College Boréal. Together this health care hub works cooperatively to provide first-rate health care, promote healthy lifestyles, conduct health-related research, and train future generations of health care workers. This hub of health care excellence is one of the key economic drivers in Greater Sudbury, employing thousands of people and generating hundreds of millions of dollars in economic activity.

### Patient Care

Health Sciences North/Horizon Santé-Nord (HSN) is the main acute-care referral centre for northeastern Ontario with regional tertiary programs in cardiac care, trauma, oncology, diagnostics, surgery, pediatrics and intensive rehabilitation. With 3900 employees, HSN is Greater Sudbury’s second-largest employer. HSN is currently expanding its outpatient services to better meet the health care needs of patients with chronic conditions such as diabetes, obesity, cancer, and heart and lung disease.

The Northeast Cancer Centre of HSN provides vital chemotherapy and radiation treatment, and award-winning researchers are actively exploring new methods for treating cancer. HSN is also furthering its mandate as an academic health sciences centre by increasing its research and teaching capacity, so that more health care professionals can be recruited, trained, and retained in Greater Sudbury.

### Quick Facts About HSN

*(from 2011 Annual Report)*

\$409 million annual budget
3900 employees
250 physicians
600 volunteers
454 beds
240,000 outpatient clinic visits
58,000 Emergency Department visits
23,000 CT scans
20,800 admissions
16,000 surgical procedures
8,800 chemotherapy visits
4,000,000 laboratory tests
1993 births



## Research and Teaching

Greater Sudbury's health care hub of excellence is actively involved in the academic health sciences, through research and teaching. Health Sciences North, Laurentian University and the Northern Ontario School of Medicine are working collaboratively towards the creation of a research institute devoted to health care indices of concern in northeastern Ontario, such as chronic disease management, the development of vaccines, and the staging of clinical trials for new treatments and methods. This new research initiative has the potential to significantly increase economic activity, and help attract more medical professionals to the city. Health Sciences North is also developing a Learners Space, complete with a Simulation Lab that will be used to train medical residents and learners of all disciplines using the latest technologies.

## Northern Ontario School of Medicine

Canada's first new medical school in over 30 years, the Northern Ontario School of Medicine (NOSM), is a joint initiative of Laurentian University in Greater Sudbury and Lakehead University in Thunder Bay. The universities are home to NOSM's two main campuses. In addition, there are multiple teaching and research

sites in over 70 hospitals and health centres throughout the north.

NOSM offers a four-year MD program geared towards establishing family physicians in the north, particularly in under-served areas. This focus on the north impacts significantly on the type of programs offered and the way in which students are taught. For example, students learn about various illness, injury and health status patterns that are unique to the north. They study a wide range of health service delivery models, which emphasize local health care. And of course, they discover the personal and professional challenges along with the rewards that come from working in northern and rural surroundings.

Student recruitment efforts demonstrate social accountability, as class profiles are often a reflection of the north's cultural diversity. NOSM graduates become physicians who are innovative, resourceful, self-reliant, culturally sensitive and fully acquainted with medical practice in northern, remote and Aboriginal communities.





## Health Promotion

Greater Sudbury's health care hub is also actively involved in health promotion.

The Sudbury & District Health Unit is one of Ontario's most progressive public health agencies. Its goal is to improve the health of residents in Greater Sudbury and the Districts of Sudbury and Manitoulin. The Health Unit demonstrates on a daily basis its commitment to health promotion and protection in the communities it serves. A staff of over 250 health and health promotion professionals delivers a wide range of programs such as healthy family promotion, immunization, sexual health, emergency preparedness, infectious diseases and food safety. Health Sciences North/Horizon Santé Nord, through its expanding outpatient care programs, is also helping people better manage their day-to-day health.

## Regional Cancer Program (HSN)

Each year the Regional Cancer Program of Health Sciences North/Horizon Santé Nord (HSN) conducts approximately 15,000 chemotherapy visits and 38,000 radiation therapy visits, saving northern residents afflicted with cancer and their families the cost and inconvenience of traveling to southern Ontario for treatment. This is the high profile side of the Regional Cancer Program as it impacts on the lives of so many northerners. Behind the scenes though, there is another drama that plays out on a daily basis - research that will not only save lives but also improve the qual-

ity of life for those afflicted with the disease. At the Regional Cancer Program, a team of world-renowned doctors, scientists and researchers work on a variety of research and clinical trials that regularly attract the attention of the international medical community.

The Regional Cancer Program Clinical Research is affiliated with the National Cancer Institute of Canada and the Ontario Clinical Oncology Group, which enables access to the most innovative treatment trials available.

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