



Health Sciences North

Magnetic Resonance Imaging (MRI) Equipment Needs



Health Sciences North
Foundation | Fondation
Horizon Santé-Nord

ORGANIZATION DESCRIPTION

Health Sciences North (HSN) Foundation is the fundraising arm of HSN. With the help of its donors, partners and volunteers, HSN Foundation is proud to support exceptional health care, build state-of-the-art facilities, and purchase innovative equipment and advance life-saving research. All of which impact the health of our community and beyond.

HSN is the regional resource and referral centre for more than 600,000 people who live across northeastern Ontario. Of these, 161,000 reside in the City of Greater Sudbury. HSN offers a variety of programs and services that meet many patient care needs, with leading regional programs in the areas of cardiac care, oncology, nephrology, trauma and rehabilitation. Health Sciences North Research Institute (HSNRI), HSN's affiliated research institute, is building on existing research excellence by establishing new programs and attracting the best and brightest scientists and clinical researchers to pioneer scientific and clinical research that will focus on health priorities of the North. With 3,900 employees, HSN is the second largest employer in the City of Greater Sudbury.

EXECUTIVE SUMMARY

As a regional leader and the only acute teaching facility in the NE LHIN, it is essential that HSN be well equipped to provide sufficient medical imaging capacity to support its unique and speciality services role, including Thoracic Surgery, Vascular Surgery, Orthopaedics, Neurosurgery, Cardiology and Oncology, in addition to providing new emerging diagnostic testing.

A vital piece of equipment that is required to help with the diagnosis of a disease or injury and to monitor how well a patient is doing with treatments is a magnetic resonance imaging (MRI) machine.

HSN currently operates one MRI machine that is nearing 10 years old 24 hours a day, seven days a week. Patients are often traveling some distance, in harsh conditions at extremely late hours due to the 24/7 operation. With efficiency optimized and a 24/7 operating schedule, there is no further capacity available to meet demand growth.

Patients who should be scanned within the provincial target time of 28 days are waiting on average 66 days for an MRI scan at HSN.

Replacing the existing scanner and adding a second MRI will greatly enhance patient-centred care by significantly shortening wait times, operating more accessible hours, providing a backup unit in the event of equipment failure, reducing travel burden and costs for patients, improving diagnosis and treatment, and repatriating cardiac care closer to home.

HSN Foundation is undertaking a **\$6.1 million campaign** to support the purchase of **two new MRI** machines for HSN.

MRI BACKGROUNDER

- The MRI uses a powerful magnetic field, radio frequency pulses and a sophisticated computer systems run by trained technologists to produce detailed pictures of the brain, soft tissues, bone and virtually all other internal body structures. It is used to diagnose disease or injury, and monitor how well patients are doing with treatments.
- Every year, approximately 13,000 MRI tests are performed at HSN on the single MRI (installed in 2008) that runs 24/7.
- All patients are prioritized based on urgency. High priority patients at HSN waited on average two days, which is in line with provincial targets. Patients who should be scanned within the provincial target time of 28 days, waited on average 66 days for an MRI scan at HSN.
- In response to clinical demand, HSN has recently introduced complex cardiac MR, the only hospital in the region to provide this service and as a result close to 200 NE LHIN residents no longer need to travel to southern Ontario. However, this has created additional demand and longer wait times.
- Most other acute academic health sciences centres in the province operate more than one MRI. Only 10 hospitals in the province operate an MRI more than 16 hours and all others are located in the GTA with close proximity to alternate urgent scanning capacity.

- As equipment ages it becomes more prone to failure. With efficiency optimized and a 24/7 operating schedule at HSN, there is no further capacity available to meet demand growth and repatriation of patients to the LHIN via new technology adoption.
- The NE LHIN has supported a proposal for a second scanner and additional operating funding has been provided in part.
- A second MRI scanner will allow HSN to run two scanners, thereby increasing potential capacity by 33% and operating at more patient-friendly hours.
- The advantages of the new technology that HSN will be purchasing include shorter exam times which means less time in the magnet, larger opening to ensure comfort for all patients, improved visibility to see smaller lesions, sharper pictures, allows for more complicated procedures and new diagnostic capability.



Current MRI at HSN

MRI CAMPAIGN



Left to right: HSN Foundation website banner and MRI banner for campaign.

**Fielding donation of \$500,000 on November 7, 2018
helped kick-start the MRI campaign at HSH.**

Please join us as we make a special
donor announcement for a new MRI
at Health Sciences North

Wednesday, November 7th, 2018
10:00 a.m.

Health Sciences North
Ramsey Lake Health Centre
Main Conference Room B, Main Level

Please RSVP to Rosie Graffi by November 5, 2018 at rgraffi@hsnsudbury.ca or 705-523-7134

Carman and Sandy
Fielding

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Public Announcement – News Release

November 7, 2018

For Immediate Release

Carman and Sandy Fielding Donate \$500,000 to Support New MRI Equipment at Health Sciences North

Sudbury, ON – Carman and Sandy Fielding are pleased to announce a \$500,000 donation to support the purchase of new magnetic resonance imaging (MRI) equipment at Health Sciences North (HSN). New MRIs will ensure that patients in Northeastern Ontario have access to advanced medical equipment to diagnosis disease or injury, and monitor how well patients are doing with treatments.



"Sandy and I are pleased to support the purchase of new MRI equipment for Health Sciences North with our \$500,000 donation," said Carman Fielding. "We know the importance of giving back to our community, and making it a better and healthier place to live. This includes having access to the latest in MRI equipment to allow for the best possible care."

HSN currently operates a single MRI scanner 24 hours a day, 7 days per week. Every year, approximately 13,000 MRI tests are performed at HSN to support the treatment of 600,000 residents in Northeastern Ontario. The adult average wait-time for an MRI scan at HSN is 66 days, which is higher than the provincial target of 28 days.

The existing MRI at HSN is nearing its 10-year lifespan. In addition to replacing the existing scanner, there is a need for a second MRI in order to provide enhanced patient-centred care by significantly shortening wait times, operating more accessible hours, providing a backup unit in the event of equipment failure, reducing travel burden and costs for patients, improving diagnosis and treatment, and repatriating cardiac care closer to home.

"Health Sciences North Foundation would like to thank Carman and Sandy Fielding for their generous donation towards the purchase of new MRI equipment to meet the healthcare needs of our community," says Mary Lou Hussak, President and CEO, HSN Foundation. "The generous support of our donors is critical in our ability to support the hospital in the purchase of new MRIs. We are excited for the future and our continued partnership with all of our donors to advance excellence in healthcare in Northeastern Ontario."

"Our hospital and our community are fortunate to have donors like Carman and Sandy Fielding to help build a stronger healthcare system," says Dominic Giroux, President and CEO, HSN. "As the academic health science centre of Northeastern Ontario, we are grateful for the community's investment in the well-being of our patients. As our hospital offers leading regional programs in areas such as cardiac care, oncology, nephrology, trauma, and rehabilitation, the most current MRI technology is a necessity."



Foundation Fact Friday

Friday, November 16, 2018



Carman and Sandy Fielding Donated \$500,000 for New MRIs at HSN

Carman and Sandy Fielding recently donated \$500,000 to support the purchase of new magnetic resonance imaging (MRI) equipment at HSN that will provide enhanced patient-centred care for patients in Northeastern Ontario.

“Sandy and I are pleased to support the purchase of new MRI equipment for Health Sciences North with our \$500,000 donation,” said Carman Fielding. “We know the importance of giving back to our community, and making it a better and healthier place to live. This includes having access to the latest in MRI equipment to allow for the best possible care.”

For more information on the MRI campaign, please contact HSN Foundation at 705-523-7130 or visit www.hsnfoundation.com.



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MISSION

Because of you...Health Sciences North Foundation supports regional health care excellence by; purchasing equipment, building facilities and advancing life-saving research at Health Sciences North.

VISION

The Health Care Charity of Choice for Northeastern Ontario

VALUES

Funding Health Care Innovation
Partnerships
Trust and Accountability

CHARITABLE REGISTRATION NUMBER

89286 8480 RR0001

Mary Lou Hussak

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