



2026

TRIPLE YOUR IMAGING IMPACT

About

Exceptional healthcare begins when skilled and compassionate people are aligned with advanced medical equipment and technology. When you invest in local healthcare, you help ensure that North Bay Regional Health Centre (NBRHC) is equipped to meet current and evolving needs with expertise, empathy and technologically advanced equipment that truly supports swift diagnosis and healing.

Every day, our hospital provides critical diagnostic support that drives patient care across the Emergency Department, inpatient units, outpatient clinics, and for community physicians and their patients. Ensuring that NBRHC is equipped with advanced imaging technology is essential to maintaining exceptional healthcare close to home.

North Bay Regional Health Centre

NBRHC has more than 480 beds and numerous outpatient and outreach services in North Bay and throughout the northeast region—from Hudson Bay to Muskoka, from Sault Ste. Marie to the Quebec border.

It is one of four major acute care hospitals serving northeast Ontario. As a major teaching centre for students in medicine, psychiatry, nursing and allied health professions, NBRHC is affiliated with the Northern Ontario School of Medicine, Nipissing University, Canadore College and several other Ontario colleges and universities.

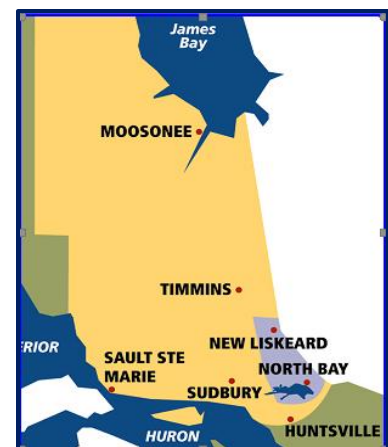
It offers:

District acute medical and mental health care to North Bay and surrounding communities; an area of 30,700 square kilometres and a population of more than 129,000.

District referral centre providing specialist services for smaller area communities.

Regional specialized mental health services throughout all of Northeast Ontario; an area of 300,000 square kilometres and a population of 511,000.

NBRHC also provides **provincial women's forensic mental health services** with an eight bed specialized inpatient unit called Hummingbird Lodge.



Investing in the Future

Timely, high-quality diagnostic imaging shapes a wide range of patient journeys at our hospital, guiding diagnosis, informing treatment, and supporting better outcomes, close to home.

Following the recent installation of two advanced SPECT/CT systems in our Nuclear Medicine Department, already improving care for patients across our community, we are continuing to advance key priorities within Diagnostic Imaging.



At the centre of this transformation is the replacement, upgrade, and expansion of the core imaging technologies our community relies on every day, supporting diagnosis, guiding treatment, and delivering timely care. Much of the equipment being upgraded was installed with the opening of our Health Centre in 2011, and have reached the end of their useable life, requiring replacement with more advanced, reliable technology.

Three projects currently stand at the forefront: the renovation of our radiography (x-ray) and fluoroscopy suites, including the replacement of three x-ray units and two fluoroscopy systems; the acquisition of a mobile C-Arm to support care across surgery, the Orthopaedic Clinic and the Emergency Department; and the addition of an ultrasound to expand access to care.

Project: X-Ray and Fluoroscopy Upgrade

Current Challenges

NBRHC's current radiography (x-ray) and fluoroscopy systems face growing limitations.

The fluoroscopy suites have been in service for more than 13 years, supporting procedures such as PICC line insertions, biopsies, joint injections and gastrointestinal imaging.

In 2024/2025 our Diagnostic Imaging Department performed 53,328 x-rays, up from 49,870 in 2023/2024 and the demand continues to rise.

Older equipment slows workflow, limits diagnostic precision, and creates challenges in maintaining patient comfort. While this technology continues to support essential care, over a decade of daily heavy use has brought them to the end of their usable life.

The Solution

To address these challenges, NBRHC is undertaking a comprehensive upgrade of five critical imaging spaces: three x-ray rooms and two fluoroscopy suites. This upgrade ensures that our community continues to have access to precise, and comfortable imaging services locally.

“Investing in advanced imaging capabilities, like the current x-ray and fluoroscopy upgrade, isn’t just about technology. It directly translates into improved diagnostic accuracy, procedural safety, and patient comfort - elements that our department strives to deliver daily.”

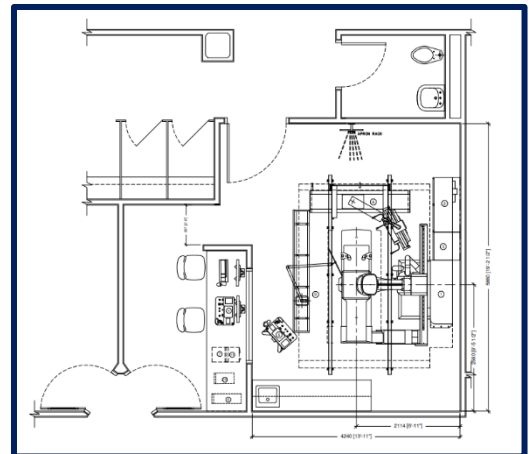
- Dr. Jeff Hodge, Head of Service of Radiology, NBRHC

The Project

Scheduled for completion by April 2027, this project is estimated to cost \$3,435,000. This project will replace aging, heavily used equipment with advanced digital imaging systems designed to support high patient volumes and both standard and complex procedures.

The scope of work includes removal and decommissioning of existing equipment, renovating the spaces, acquiring and installing new imaging systems, integrating software with hospital information systems and commissioning to ensure optimal clinical performance.

Careful planning will ensure imaging services remain available throughout construction, minimizing disruption to patients who rely on timely diagnostics.



The Impact

Upgrading NBRHC’s three x-ray and two fluoroscopy spaces will:

- Improve diagnostic capabilities through higher image quality.
- Enhance patient safety and comfort by incorporating dose-reduction technologies and better ergonomic design.
- Support advanced clinical procedures through imaging capabilities for both standard x-ray and real-time fluoroscopy for interventional procedures.
- Optimize clinical workflow by reducing examination times and integrating into our existing electronic medical record systems.

Project: Increasing Capacity for Breast Imaging

Current Challenges

Demand for routine ultrasound and diagnostic breast follow-up continues to grow, placing pressure on existing imaging capacity at NBRHC. For example, without the adequate equipment, patients with abnormal screening results may experience delays in accessing diagnostic ultrasound and image-guided biopsy. These delays extend the time to diagnosis, increase anxiety, and allow disease progression.

While NBRHC has successfully recruited a new radiologist to strengthen clinical capacity, current ultrasound equipment limits our ability to meet target timelines for breast diagnostic follow-up.

The Solution

To close this gap, NBRHC will acquire a new advanced ultrasound system for the Diagnostic Imaging Department. This investment will expand imaging capacity, support radiologist capacity, and reduce the time between abnormal screening and definitive diagnosis.

Project Details

Funding will support the purchase of a technologically advanced ultrasound system, growing our fleet from five to six, at an estimated total cost of \$183,000. The ultrasound we will acquire is well suited for breast imaging and biopsy. With the addition of this system, NBRHC will increase capacity and improve workflow efficiency within the breast imaging pathway.

The Impact

This project will reduce average wait times from abnormal screening to diagnostic follow-up, enabling NBRHC to meet provincial benchmarks for timely breast cancer diagnosis. Patients will receive answers sooner, enabling earlier treatment when required, and experience reduced stress during an already vulnerable time. By strengthening local access to high-quality cancer diagnostics, this initiative advances earlier detection and improves outcomes for our community.

As **Amanda Etches**, mother and breast cancer survivor reflected, receiving care close to home provides comfort, continuity, and ease throughout treatment and recovery journey:

“My body and my spirit were tested in ways I never could have imagined. It reminded me that none of us are immune to life’s unexpected turns. You never know when you might find

yourself walking through the hospital doors, hoping for good news or holding on to courage. My boys kept me fighting, but I didn't do it alone.

Because my care was close to home, I could stay present for my family instead of spending hours on the highway or nights away from my kids.

I'm so grateful for the care I received at NBRHC. Access to surgery, cancer treatment, and follow-up care right here in our community meant I could be there for my boys – celebrating their victories, witnessing their milestones, and tucking them in each night."



Project: Mobile C-Arm

Current Challenges

NBRHC currently operates two C-Arm units: one dedicated to our surgical programs and one shared across the Emergency Department and Orthopaedic Clinic. One of these systems has exceeded the typical 10-year serviceable life and is now 14 years old. At the same time, demand for intraoperative fluoroscopy continues to grow in the Operating Room, placing sustained pressure on a limited and aging fleet.

Both systems are experiencing performance issues associated with aging technology, including slow software response times, difficult manoeuvrability, intermittent connectivity problems and replacement parts are increasingly difficult to obtain.

In the event of a system failure, a single remaining unit would need to support Orthopaedics, the Emergency Department, and other surgical programs, creating scheduling conflicts and delays in patient care.



The Solution

Our hospital will acquire a new mobile C-Arm, an advanced mobile imaging system that delivers reliable, high-quality mobile fluoroscopy across surgical, orthopaedic, and emergency care settings.

Project Details

Our new mobile C-Arm will be an advanced piece of technology designed to provide high-resolution, real-time X-ray imaging during surgical procedures.

It features an expanded surgical platform and intuitive touch-screen controls, enabling clinicians to capture precise images efficiently in time-sensitive environments. The system will support Orthopaedics, Emergency Department procedures, and operating room surgical teams, replacing aging equipment that is now at or beyond its expected service life and increasingly unable to meet clinical demands.

“Physicians throughout the region rely on NBRHC Diagnostic Imaging to provide dependable, high-quality diagnostic services so their patients can receive appropriate care close to home. Maintaining modern imaging infrastructure is therefore not only a matter of operational efficiency - it is fundamental to ensuring equitable access to safe, effective healthcare for the Northern communities we serve.”

- Melissa Macfie, Manager of Diagnostic Imaging, NBRHC

Impact

This investment will improve patient safety and experience by reducing wait times in the Emergency Department and Orthopaedic Clinic for patients requiring portable fluoroscopic imaging and interventions, while also decreasing the likelihood of procedural delays or cancellations.

Operational efficiency will improve through reduced downtime, more reliable system performance, and decreased scheduling conflicts across departments, particularly given the increasing strain on a limited number of functioning units.

Staff will benefit from improved equipment responsiveness, greater accessibility, and reduced workflow disruptions in high-acuity surgical environments.

Clinically, enhanced image quality will support more accurate diagnosis, positioning, and device placement during procedures.

As we build for the future, this upgrade will support growing surgical volumes and ensure consistent access to fluoroscopic imaging across all required clinical areas as demand continues to rise.

Your Generosity

This upgrade of Diagnostic Imaging is focused on investing in the imaging technology our community needs. When you support this project, you are ensuring consistent access to timely, accurate care, every day, for each patient who comes through our doors.

Diagnostic imaging sits at the heart of diagnosis and treatment, and your support strengthens the systems our clinicians depend on to deliver exceptional care.

An Opportunity to Triple Your Impact

Until the end of December, we are grateful to be partnering with FDC Foundation, which has committed a \$1 million challenge gift for diagnostic imaging. **Donations received by December 31st will be matched 2:1**, with the Foundation's \$1 million contribution unlocked once \$500,000 has been raised, on top of their initial investment of \$500,000.

This means every donation goes three times as far in advancing diagnostic imaging at our hospital. A gift of \$1,000 becomes \$3,000 in impact, directly strengthening the tools used to diagnose, treat, and care for patients close to home.

Give today to ensure our community has access to the imaging we rely on, helping care teams deliver faster answers and early intervention. Thank you for considering this important investment in our community.

For more information:

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