

Synopsis of Grant Commitments 2014/2015

Thunder Bay Regional Health Sciences Foundation

2014-004 Emergency Department Point of Care Ultrasound (Martel, \$80,430)

Equipment for faster diagnosis of common ED injuries including internal trauma

Physicians in the Emergency Department are trained to use ultrasound in certain situations for urgent bedside diagnosis including internal bleeding, ectopic pregnancies, deep-vein thrombosis (DVT), and other internal injuries/conditions. This new unit will ensure continued ultrasound capabilities in the ED for faster diagnosis, allow new cardiac ultrasound capabilities, will reduce workload on the Diagnostic Imaging department, and will improve capacity for training medical students.

2014-005 Mental Health Awareness Week/Mental Illness Awareness Week Committee (Lazinski, \$10,000)

Awareness program to reduce the stigma of mental illness and promote mental health

At least one in five Canadians will develop some form of mental illness in their lifetime such as depression or addiction. Despite these high numbers, there is still a stigma attached to mental illness that can be reduced by better awareness and understanding. This program will raise awareness during Mental Health Awareness Week and Mental Illness Awareness Week through workshops, speakers, and engagement sessions, over the course of two years.

2014-007 Chemotherapy Treatment Chair Replacement – Terrace Bay (Anderson, \$2,300)

Equipment replacement for cancer patient comfort and safety

The chemotherapy program at McCausland Hospital needs to replace an aging (20+ years) treatment chair, which is becoming uncomfortable due to wear and tear, and unsafe due to failing brakes. The new chair will provide patients with a comfortable and safe environment in which to receive treatment.

2014-008 Equip Chemotherapy Program – Atikokan (Sampson, Ducharme, \$8,487)

Equipment for chemotherapy program to improve patient comfort and safety

The chemotherapy program at the Atikokan General Hospital needs new equipment including a new, more comfortable chemotherapy treatment chair and a dedicated pharmacy refrigerator to safely store chemotherapy medications.



2014-009 Chemotherapy Equipment – Red Lake (Larson, \$7,812)

Equipment essential for the safe and effective day-to-day operations of a regional chemotherapy program

The Chemotherapy Unit at Margaret Cochenour Memorial Hospital in Red Lake requires replacement of a chemotherapy IV pump, and a vital signs machine to ensure treatment can continue to be provided closer-to-home.

2014-010 Chemotherapy Equipment – Kenora (Fitzgerald, \$5,775)

Equipment for chemotherapy patients

The chemotherapy program at Lake of the Woods District Hospital requires a new vital signs monitor and a new non-invasive temporal artery thermometer. This specialized thermometer provides accurate temperature readings for patients who cannot accept oral thermometers by scanning the forehead.

2014-011 Chemotherapy Unit – Geraldton (Heerema, \$8,500)

Equipment for cancer treatment and patient comfort

The chemotherapy program at the Geraldton District Hospital requires new equipment to replace aging equipment. This includes a new treatment chair and an additional chemotherapy IV pump.

2014-016 Vented Hood for Pharmacy – Fort Frances (Cousineau, Morand, \$15,795)

Equipment to upgrade and expand capabilities

The increasingly busy pharmacy department at Riverside Health Care in Fort Frances sometimes sees delays in chemotherapy preparation due to a bottleneck using the vented hood. This second vented hood will be dedicated for chemotherapy use for faster and better patient care. Further, the new hood vents to the outside for better staff safety while preparing the cytotoxic medications.

2014-017 Thunder Bay and District Breast Cancer Support (Lundstrom, \$5,000)

Program – support group for breast cancer patients and survivors

The Thunder Bay and District Breast Cancer Support Group provides support through monthly meetings and other events to patients diagnosed with breast cancer throughout treatment and survivorship.



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2014-018 Equipment for Oncology Program – Hearst (Pomerleau, \$14,635)

Equipment to provide more comfortable chemotherapy treatment

Hôpital Notre-Dame Hospital found that some of its patients would be more comfortable lying down during longer chemotherapy sessions. This grant will purchase a new stretcher for the program as well as a new pain management IV pump, and a replacement vital signs monitor.

2014-019 Equipment for Chemotherapy Program – Marathon (Gobeil, \$8,158)

Equipment for improved patient comfort and safety

The chemotherapy program at the Wilson Memorial General Hospital in Marathon requires a new infusion pump to replace an aging unit, as well as a new, more comfortable patient treatment chair and a new surgical instrument table to replace old tables that are hard to keep clean due to age.

2014-021 Equipment for Outpatient Palliative Care – Sioux Lookout (Williams, Lawrance, \$3,786)

Equipment for a dedicated palliative care program

Meno Ya Win Health Centre currently offers a palliative care outpatient clinic, though visiting patients may have to sit in uncomfortable chairs at times. Further, staff members have to borrow monitoring equipment from other areas of the hospital. This grant provides a comfortable reclining chair for palliative care patients, an overbed tray for meals and personal items, and a dedicated vital signs monitor.

2014-024 Two Dialysis Machines for Home Renal Services (Salomon, \$60,000)

Equipment for in-home dialysis services that would allow more patients to qualify for use

Previous home dialysis machines required extensive home modifications and, most importantly, a reverse osmosis water system. These new units can be used in areas that have limited water supply and sewage capabilities, which means more people would qualify for the home dialysis program – including possibly those living in remote communities.

2014-028 Cardiac Catheterization Lab Imaging Equipment Upgrade (Thomson, \$1,400,000)

Equipment to replace aging cardiac imaging equipment with upgraded technology

The two Cardiac Catheterization Labs provide 80 hours of scheduled use every week and are also available 24/7 for emergency cases. The original Cardiac Cath Lab and its imaging equipment has provided over nine years of service. Upgrading the unit now will provide the latest technology and will avoid future breakdowns that would result in unplanned downtime, a reduction of services, and possibly affect patient safety. Upgrades include a new C-arm that provides 3-D imaging, new video monitors, as well as software upgrades to the 2nd lab to enhance imaging. Furthermore, an improved radiation detection system ensures physicians, staff and patients are exposed to the least amount of radiation necessary.



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2014-035 Upgraded Radiological Characterization (Dosimetry) System for Radiation Therapy (McGhee, \$200,000)

Equipment used for quality assurance in radiation therapy for cancer patients

To ensure that the dose of radiation planned is the actual dose being delivered by the linear accelerator (linac) during radiation therapy, regular calibration of the unit is required. This new medical dosimetry system replaces an aging unit to measure relative dosages for better treatment planning and patient safety. The unit is also an upgrade in technology so that we can take full advantage of the capabilities of our new, cutting-edge linacs and treatment planning system.

2014-037 “Sim Man” High-Fidelity Simulation Manikin (Meservia-Collins, \$122,136.05)

Equipment to improve education of new learners and continuing education of staff

Simulation is recognized as an effective way of learning, allowing healthcare providers to experience real-life situations and practice their skills in a controlled environment. This high-fidelity simulation manikin can be programmed to display simulated – but life-like – symptoms and respond to learner interventions.

2014-042 Ventilators for Critical Care (ICU) (Winslow, Miller, \$120,000)

Equipment for ICU patients who require assisted breathing

These ventilators will replace and upgrade units that are past their replacement date or soon will be. This is vital equipment in which breakdowns would seriously affect the quality of care provided in the ICU.

2014-043 Chemotherapy Equipment – Manitouwadge (Janveau, \$7,758)

Equipment dedicated for chemotherapy to enhance patient services

The chemotherapy program at the Manitouwadge General Hospital currently shares equipment with other departments, sometimes leading to delays which could undermine the trust built with patients. This grant provides for a dedicated IV pump for chemotherapy and a vital signs monitor required during treatment.

2014-051 Two Flexible Cytoscopes for Urological Procedures (MacDonald, \$22,000)

Equipment to replace and upgrade aging equipment

On average, the Urology Clinic conducts 125 cystoscopy procedures at the Health Sciences Centre each week. This grant will purchase two new cystoscopes to replace aging scopes and provide better imaging.



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2014-056 Video Laryngoscope/Flexible Bronchoscope (Dobson, \$31,953)

Equipment for airway management during surgery

Anaesthesiologists are responsible for ensuring a patient's airway is clear during surgery. Inserting a breathing tube can be a challenge for patients with throat or lung cancer when tumours are present. This upgraded equipment will replace the older system (prone to breakdowns) and provide sharper video images while inserting breathing tubes for safer procedures. The enhanced imaging capabilities will also allow surgeons to take on more complex procedures that may otherwise require patients to travel elsewhere for care, and will improve training for new learners.

2014-059 Four Paediatric IV Pumps (Purdon, \$18,000)

Equipment for paediatric inpatients (1B)

The Paediatric Inpatient Unit (1B) requires more IV pumps, specific to children, to provide IV therapy.

2014-060 Four Paediatric IV Pumps (Purdon, \$18,000)

Equipment for paediatric outpatients

The paediatric outpatient department requires IV pumps to deliver medications and infusions at a safe delivery rate.

2014-061 Two Birthing Beds for Labour and Delivery (Purdon, \$45,552)

Equipment to help make labour and delivery easier for mothers

Special birthing beds make it safer, easier, and more comfortable for mothers to deliver, and easier for healthcare professionals to assist. These two new beds will replace aging beds.

2014-062 Two Telemetry Units for Labour and Delivery (Purdon, \$17,550)

Equipment to help monitor mother's and baby's heartbeat during labour

Mothers in labour often prefer to move around the room during labour. These telemetry units allow mothers to move up to 100 metres away from the base station and still transmit heartbeat readings.

2014-065 128-Slice CT Scanner (Timko, Exley, McKnight, Kisselgoff, \$250,000)

Equipment for CT imaging that upgrades old technology

Diagnostic Imaging performs up to 20,000 CT scans per year to diagnose a wide range of diseases and injuries including cancer, liver disease, and bone abnormalities. The current 10-slice CT scanner is past its end-of-life and is prone to overheating. The new 128-slice CT scanner is faster so patients don't have to hold their breath as long during scans, is able to be used for computed tomography angiography (CTA), and greatly reduces the amount of radiation per scan.

