Thank you for building Excellence

The impact of your giving to the Stollery Children’s Hospital Foundation
There are many reasons why you give. However, for all of those different reasons there is one thing that remains constant. You want to know how your contributions make a difference.

At the Stollery Children’s Hospital Foundation, our goal is to clearly show our donors how their generosity helps children and their families. By investing in excellence, above and beyond the support provided by government, donors help to ensure that our most vulnerable patients—our children—receive access to the best possible pediatric care in Western Canada.

Excellence at the Stollery begins by ensuring that family centred care comes first. Donors contribute towards constant measurement and outcomes to educate and inform our professionals on how pediatric care is evolving. Our highly skilled specialists and sub-specialists receive continuous training and advanced skills-development through Foundation support.

We also invest in innovation and discovery to develop new cures, new protocols and processes to ease pain and prevent illness. Ultimately, our donors support the complex medical journeys that children face every day, from diagnosis and emergencies, to ambulatory (outpatient) care and rehabilitation.

Our donors expect impact. Our goal is to share that impact with you, through facts and figures, but also by sharing real stories that demonstrate the difference donors make, every day, every year.

On behalf of the hundreds-of-thousands of families that use the Stollery each year, thank you for your gift.

Sincerely,

Mike House
Dad, donor, and President and CEO
The Foundation raises funds to pursue excellence in five areas:

1. Journey of the complex child toward optimum health
The Stollery Children’s Hospital diagnoses and treats children, from birth to adulthood, with the most severe and complex medical or surgical conditions, and with chronic or congenital health problems, to attain the best possible health outcomes.

2. Innovation and discovery
The Stollery Children’s Hospital believes that excellence in innovative pediatric care, research and teaching rests on a foundation of evidence-based practice. The Foundation maintains many close partnerships including the University of Alberta, one of Canada’s most research-intensive universities, and the Women and Children’s Health Research Institute which supports renowned and emerging researchers.

3. Family centred care
The Stollery Children’s Hospital recognizes the pivotal role that the family plays in the life and health of the child. Hospital staff collaboratively assess the needs of the child and family, develop care plans, and share information in an atmosphere of respect and dignity.

4. Investing in highly skilled child health care professionals
The Stollery Children’s Hospital is a recognized global leader in pediatric health care services including cardiac surgery, organ transplantation, critical care, neurosciences and emergency care. As such, the Stollery’s international reputation makes it possible to attract and retain the brightest medical minds from around the world.

5. Quality outcomes, quality care
The Stollery Children’s Hospital works collaboratively with physicians, all levels of staff, and with patients and families to develop sustainable quality assurance, quality improvement, and patient safety programs.

Through your support, the Stollery Children’s Hospital Foundation continues to celebrate many life-saving achievements at the Stollery. We’ve captured five intriguing examples to highlight these areas of excellence, the impact your dollars are having on the lives of patients at the Stollery and our vision for the future.
Two kids. Two units. One Hospital.

A complex journey towards optimum health

In April of 2012 the lives of the Langenau family of Airdrie, Alberta changed forever.

When Betina and John’s little boy, Easton, developed a rash and flu like symptoms, they took him to Alberta Children’s Hospital in Calgary where he was diagnosed with Invasive Group A Strep Sepsis. Through a myriad of invasive procedures he remained in hospital for 16 days.

Exactly one week after Easton was discharged, their daughter Payton developed similar flu like symptoms. Eight hours later, she went into cardiac arrest. Doctors confirmed Payton had Invasive Group A Strep Toxic Shock Syndrome which was causing multiple organ failure.

There was only one way to save Payton’s life; place her on an extracorporeal membrane oxygenation (ECMO) and transport her to the Stollery Children’s Hospital in Edmonton. A Stollery transport team flew to Calgary and even scrubbed in to help finish the procedure.

On the third day of Payton’s stay in cardiac ICU at the Stollery, her brother Easton started vomiting and was rushed to emergency. It was a nightmare for Betina and John. Two kids in two different units at the Stollery.

While Payton was eventually taken off ECMO and discharged, Easton’s test results showed two other serious illnesses resulting in him being transported back to Alberta Children’s Hospital.

Thanks to skilled specialists at the Stollery, Betina Langenau enjoys a quiet moment with daughter Payton (left) and son Easton

Together, Betina and John’s kids spent nine weeks in hospitals within three months.

As the only specialized child health facility in central and northern Alberta, the Stollery is dedicated to diagnosing and treating children with the most severe and complex medical or surgical conditions. Home to many specialty pediatric services, the Stollery provides care along the life-span from birth to late adolescence, and along the continuum from high-tech prenatal diagnostic services, critical care and acute care services to restorative care and rehabilitation, and sub-specialty ambulatory care.

Payton, who is now three, and Easton now two, have a long journey of recovery ahead. However, Betina and John asked us to share their story with you as a way to say thank you for continuing to give hope to other families who require the excellent services of the Stollery Children’s Hospital.

You made it possible:

Pediatric Emergency Expansion  $5.1 million
Pediatrics Department training  $2 million
PICU ECLS Equipment  $16,873
Can broccoli sprouts prevent brain injury in babies?

Innovation at the Stollery is leading one researcher to think so

It may not be everyone’s favourite vegetable but for one researcher in Edmonton, it’s the top of the crop.

Dr. Jerome Yager is a clinician-scientist and the director of research for the Department of Pediatrics at the University of Alberta. His research with broccoli sprouts, in pre-clinical animal models, is yielding promising results in neonatal brain injury and cerebral palsy prevention. Dr. Yager recently received $150,000 to research the role of this natural health product in the prevention of brain injury in newborn infants. Early results are positive in reducing and preventing developmental disabilities.

In parallel studies, Dr. Yager and his team are insuring that the sprouts and other natural health products are safe. “If we want to make an effective difference, and be safe, we have to do the research,” says Dr. Yager. “An early clinical trial in adults is the first step, and then we will be looking at pregnancy.”

Dr. Yager is also the co-lead for NeuroDevNet’s Cerebral Palsy Discovery Program. There he collaborates with lead investigators in a National Centers of Excellence grant that has been an important next step in treating children with cerebral palsy, and bringing innovative therapies like natural health products and stem cell research into mainstream science.

The Stollery Children’s Hospital Foundation believes that excellence in innovative pediatric care, research and teaching rests on a foundation of evidence-based practice. As such, the Hospital maintains close relationships with the University of Alberta, one of Canada’s most research-intensive universities, and the Women and Children’s Health Research Institute, which supports renowned and emerging researchers. Your generosity makes it possible for the Foundation to provide more than $4 million annually in support of research, education and programming focused on children’s health.

Your gifts helped fund:

- $3.5 million towards Women and Children’s Health Research Institute (WCHRI) which supports renowned and emerging researchers, among other collaborations.
- $453,000 to support Oncology research, education & programming

Dr. Jerome Yager studies the brains of rats as part of his cutting-edge research in brain injury prevention in newborn babies.
Online resource brings families together
One family’s journey proves family centered care is alive and well

In 2008, eight-week-old Russell was born with a heart defect. Doctors wasted no time. They rushed him from Winnipeg to the Stollery Children’s Hospital in Edmonton.

Thankfully, Russell received a Berlin Heart before undergoing heart transplant surgery. The Berlin Heart is an artificial heart available in several sizes for children that serves as a bridge to heart transplantation.

In total, Russell and his family spent nearly six months away from home.

It was during that time that Russell’s father, Donald, discovered CarePages. The program, which is funded through the Stollery Children’s Hospital Foundation, provides a free, private website for patients and their families to update family, friends and colleagues about their time at the Stollery. Unlike Facebook and public blogs, CarePages offers privacy to families as they invite others to share in their journey. Those with access can easily find out what’s happening and also send online messages of love and support to the patient and family.

Donald found CarePages to be an extremely valuable resource. Not only did this provide him with an avenue to safely share private information with friends and family in Manitoba, it also became a therapeutic outlet for Donald. It gave him something to do while at the hospital, and offered him a way to stay connected and avoid feeling so alone.

With more than 1,200 pages created to date, families at the Stollery are increasingly using CarePages.

The Stollery Children’s Hospital recognizes the pivotal role the family plays in the life of a child. The Hospital’s approach to family centered care is one of collaboration in care-giving and decision-making. The family and health care team work together to assess the needs of the child and family, develop a customized care plan, and then share the information in an atmosphere of respect and dignity. Collaboration among patients, families and child health care providers occurs in everything from policy and program development, to professional education and delivery of care.

You made it possible:

**Care Pages**
Helping families stay in touch—secure web based site allows individual families to blog, report on patient’s hospital progress, post pictures and receive email $15,500

**Father Involvement Initiative**
Supporting fathers and contributing to healthy families—provincial initiative $34,100

**Family Room**
Providing a quiet environment to relax, take care of personal business and learn more about childhood diseases and conditions $84,000

The Impact of your giving to the Stollery Children’s Hospital Foundation
If you ask Dr. Dominic Cave to describe his role, he says he’s “a protector of children.”

Dr. Cave, a pediatric cardiac intensive care doctor and pediatric anesthesiologist, provides critical care support to an array of children referred to the Stollery. However, he is perhaps best known for his expertise in delivering high level anesthesia coverage to children undergoing liver transplantation.

With support from the Foundation, Dr. Cave pursued and completed his subspecialty training in pediatric critical care at the University of Alberta. While in training, he continued his work as a pediatric anesthetist.

Dr. Dominic Cave takes the time to say thank you to young donor Kayleigh Otterson

Given Dr. Cave’s unique skill set, the Hospital realized that it could achieve significant synergies by dually appointing him to pediatric anesthesia and pediatric critical care. His practice includes children referred for cardiac surgery, liver surgery, general surgery, neurosurgery, ENT surgery, orthopedic surgery, trauma, urology, plastic surgery and many diagnostic procedures.

“The complexity of the population we provide anesthesia for means that it is often challenging to safely get a child through surgery,” explains Dr. Cave, who admits he wouldn’t get this opportunity at most other hospitals.

“I work in a place where excellence is ordinary, where the incredible happens every day.”

The Stollery Children’s Hospital Foundation recognizes the importance of attracting and retaining the best talent within the medical and health care profession. A children’s hospital is a complex, dynamic organization that is dependent on many interconnected systems to prevent, diagnose, treat and cure a full spectrum of pediatric illness. As such, the Foundation has many partners to help invest in the next generation of physicians; providing funding that directly impacts pediatric training and care delivery.

For example, the Foundation supports the University of Alberta’s sub-speciality training program in the Department of Pediatrics by attracting rising stars to Edmonton, increasing the Hospital’s capacity, and inspiring innovative research at the Stollery. Pediatricians come from around the globe to train in Edmonton because we have shown the international community the value we place on educating the next generation of pediatric specialists. The Foundation has helped to train more than 500 sub-specialists, and in 2012, invested more than $1 million in pediatric sub-specialty training.
Quality outcomes, quality care
Research, observation and collaboration come together in effective care

Jason Brook of Bonnyville is literally a rare breed. At 13 years of age, Jason is one of approximately 2,000 people on the planet born with a rare genetic disease called cystinosis that affects his kidneys.

Cystinosis is the accumulation of the amino acid cystine, forming crystals that can build up and damage the cells.

This wonderful little guy is very familiar with the Stollery’s pediatric nephrology. He’s been a regular visitor since diagnosed at the age of one and is regularly monitored by the skilled team in the transplant follow-up clinic, one of several renal clinics at the Stollery.

“Without them, I don’t know where we would be today,” says Jason’s mom, Tanya Moroko. “They were able to answer all our questions and when we had problems, they went above and beyond to find a program to help take that financial burden off us.”

Some of the patients followed by the Stollery’s pediatric nephrology face a range of complicated issues that accompany kidney disease and its treatment, up to and including dialysis and kidney transplants. At each state of their journey—diagnosis, treatment, pre-dialysis, dialysis, transplant and post-transplant—the pediatric nephrology team is there to provide care and support for children and their families every step along the way.

For Jason, that journey included being connected to a dialysis machine every night for two-and-a-half years. However, in July of 2013, Jason finally received his new kidney.

“He knew the doctors that were going to be taking care of him were pulling for him,” says Tanya. That’s because Jason has known the entire team for almost his entire life and has developed relationships with each of them.

Today, Jason is doing very well with his new kidney. In fact, his mom says his health is the best it’s been in years and she is forever grateful to the caring team that’s been by Jason’s side this entire journey.

“The quality of care has been excellent,” adds Tanya. “The doctor-patient relationship is very open and relaxed. They become a part of your life, like one big happy family, and it’s nice to know that they are there for us.”

Post kidney transplant, Jason Brook gets one of his regular checkups from Stollery kidney specialist Dr. Catherine Morgan.
Projects you’ve helped fund at the Stollery Children’s Hospital:

The Canadian Association of Pediatric Health Centre

The Canadian Association of Pediatric Health Centre supports pediatric hospitals across Canada through education, research and quality improvement initiatives to improve care delivery. Through our membership we share best practices, compare outcome data, and identify and respond to emerging issues in our communities.

This resource provides accurate, timely and comparable data for our health administrators to apply evidence-informed decision making.

Newborn Individualized Developmental Care and Assessment Program

Nurses participating in the Newborn Individualized Developmental Care and Assessment Program (NIDCAP) observe and interpret an infant’s behavioural cues to customize care strategies for each baby; like dimming the lights, reducing noise and avoiding excessive handling. These techniques help babies gain weight faster and return home sooner.

It works! Babies who receive NIDCAP are:

- Released from the Hospital on average 10 days earlier
- Spending less time on a ventilator
- Requiring less extra oxygen
- Experiencing fewer developmental delays at 18 months
A child’s medical journey can be long, complex, uncertain and expensive. This is due to several factors: the variable nature of complex, chronic or congenital conditions; the number of body or organ systems involved; progressive or debilitating conditions; and the amount of hospital care required over time.

A child’s anatomy, physiology, cognition, growth and development are different from adults. It takes special resources and systems to care for infants, children and youth, from developmentally- and age-appropriate equipment, to trained pediatric specialists and specialized medication delivery systems.

The Government of Alberta and its provincial health authority, Alberta Health Services, has identified critical care expansion at the Stollery as a priority in 2014. The province is committing $55.3 million to upgrade and modernize the physical environment for neonatal and pediatric patients who require life-support and critical care, as well as space for teaching and training. These funds, along with provincial funding for major expansion of operative services and ambulatory care, will have a significant impact on the Hospital’s ability to meet the needs of infants, children and youth across a continuum of care.

To ensure these expansion projects reflect the highest-degree of excellence with respect to programming, research and resources, the Hospital has identified the need for an additional $15 million. In order to meet this target, the Stollery Children’s Hospital Foundation has embarked on an integrated, multi-year fundraising campaign entitled Critical for Care to address operational and integrated needs at the Stollery through designated funding opportunities and major gifts to the Foundation.
Critical for Care

Campaign

Ambulatory
$2.5 Million

Anticipated project completion late 2014
- With an average of 120,000 outpatient visits annually and growing, ambulatory care services are the most significant contributor to pediatric patient volume.
- Pediatric ambulatory care specialty and sub-specialty clinics serve as a hub for all inpatient, surgical and critical care at the Stollery.

Operating Rooms
$7 Million

Anticipated project completion 2015-16
- The Stollery Children’s Hospital is the pediatric surgical referral centre for central and northern Alberta, and the cardiac surgery and organ transplant for most of western and northern Canada.
- Five-to-ten new operating rooms along with increased capacity in procedure and recovery rooms.

Critical Care Redevelopment
$5.5 Million

Anticipated project completion 2018
- Overcrowding, insufficient space and diminished patient/family privacy are a reality in the ICU.
- The Stollery will redevelop three specialized units to enhance care for critically ill children.
- The number of pediatric treatment beds will increase to a minimum 48 beds, 16 per operating unit, with growth up to 57 beds.

Campaign Goal
$15 Million
2013-2018