



GLENROSE

**REHABILITATION HOSPITAL
FOUNDATION**

ANNUAL REPORT
2021/2022



A MESSAGE FROM OUR CEO



A young woman learning how to drive with adapted hand controls on a driving simulator. A 3D printed attachment that makes a prosthesis fit more comfortably for the patient using it. An older adult relearning how to walk after a stroke, using a powered external skeleton. There are thousands of examples of technology improving the lives of Glenrose Rehabilitation Hospital patients. At the Glenrose Foundation, research, technology and innovation are at the center of what we do. We're forging ahead with technology-enabled healthcare – powered by donors who have a passion for advancing patient outcomes, and making specialized rehabilitative care even more accessible to those who need it most.



Technology allows us to reimagine human ability. It drives innovation and research initiatives that have a huge impact on patients, their families and caregivers. Glenrose patients like Maggie and Toby, who are featured in this year's report, are independently living their lives and doing what they love, thanks to advancements in rehabilitative healthcare.

This year we've also embraced technology as a philanthropic mechanism, becoming the first healthcare foundation in Alberta to accept cryptocurrencies as a means of donation. The digital economy is growing quickly, and this move provides donors with another way to demonstrate their support and make a meaningful impact.

As you read through this report, I hope you're energized and inspired by the profoundly impactful work happening at the Glenrose. Thanks to the generosity of Albertans, our patients have access to some of the best equipment and programs in the world, delivered by talented staff in a world class facility.

A stylized, handwritten signature in blue ink.

Mark Korthuis
President & CEO
Glenrose Rehabilitation Hospital Foundation

A MESSAGE FROM OUR HOSPITAL



When we reflect on highlights from the last year, they nearly all center around the strength and resilience of our staff, physicians and leaders. Throughout the pandemic waves, as well as the rising concerns around Long COVID, Glenrose staff demonstrated a willingness to approach care in a different way – whether through telehealth, virtual visits and countless other alternatives. They partnered with patients and navigated through challenges together, in search of new and better ways to deliver rehabilitative care.



Many Glenrose staff were redeployed and reassigned as part of the pandemic response. They assumed these critical new roles and were resoundingly applauded as assets to the teams they supported. Because of their willingness to adapt, we were able to respond to the needs of other sectors within the province's health landscape and support escalating challenges, such as acute care bed pressures.

None of this would have been possible without the outstanding work and dedication of all Glenrose staff, physicians, leaders and the Glenrose Foundation – we are so grateful for their contributions.

What does the future hold for the Glenrose Rehabilitation Hospital and Foundation? It's our shared goal to further integrate translational research with clinical rehabilitation while driving successful patient outcomes. We intend to continue to be a global leader at the forefront of innovation and technology. Continued donor support is critical to fulfilling our mission. Most of all, the Glenrose will always be a place of understanding and advocacy for people across the lifespan in building their abilities for life.



Left: Dr. Nan Schuurmans, Medical Facility Director, Glenrose Rehabilitation Hospital
Right: Lynette Lutes, Senior Operating Officer, Glenrose Rehabilitation Hospital



2021/2022 Board of Trustees

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Katherine Huising
Wendy King
Kelly McClung
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Adam Sweet
Karen Wichuk
Lynette Lutes,
GRH Representative



Everyone, from the staff at the Glenrose to the donors that support the hospital have our deepest gratitude. You've touched our lives more than you know!

Whether Toby was using the incredible facilities of the Oilers Interactive Learning Centre, the playroom, the walking machine or doing music therapy, speech therapy or crafts, the staff knew how to connect with him and keep his spirits up and his mind motivated.

~ Mignon, Toby's mom



The Glenrose Rehabilitation Hospital is the largest freestanding, comprehensive tertiary rehabilitation centre in Canada. It is Alberta's only hospital dedicated to rehabilitation.

The Glenrose Rehabilitation Hospital Foundation enables breakthroughs in human ability through innovation, research and technology.



IMPACT OF DONOR GENEROSITY

The Social ABCs is a Canadian, parent-provided, early intervention that aims to improve social communication for toddlers aged 12 – 36 months with suspected or diagnosed autism spectrum disorder. The program focuses on promoting directed, functional communication and shared positive enjoyment between child and caregivers.

Thanks to donor funding, clinicians received training in the Social ABCs, which involves implementing the intervention and coaching parents to apply strategies consistently and accurately. To date, the program has supported 35 families.

All of the participating families have demonstrated improvement in their ability to support their child's social communication – increasing directed vocalization and shared positive emotion. The parents' progress is measured by analyzing video samples, allowing the clinicians to determine how accurately caregivers are able to implement the 10 strategies of the Social ABCs. Progress towards families' personal goals for the program as well as satisfaction with the program overall have been overwhelmingly positive.



Social ABCs
has supported
35 families.



I really liked the one-on-one training. It was quite helpful and I felt like that time spent was the most meaningful part of the program. My child now makes a ton of eye contact with me and vocalizes more.

~ Parent in the Social ABCs program



CHADI CENTRE FOR PEDIATRIC REHABILITATION



The Chadi Centre for Pediatric Rehabilitation opened its doors in 2021, after an extensive renovation of the old space. The new centre is bright and open, with ample room for the Glenrose's youngest patients and their families to work with their care teams. Patients are already seeing positive impacts, including longer trials to test if equipment will work for a child, less wait time for equipment and more opportunities to trial larger movements.

In 2021, there were
3,876
patient visits to
the Chadi Centre.

When children arrive for their appointments at the Chadi Centre they walk past a huge mural, created by Edmonton artist, Jason Blower. The vivid, illustrated scene includes children who have different disabilities in active play.

“

It is a beautiful space. It has been so valuable to have a treatment area that is fully equipped to provide therapy to all ages (birth to teen!) in the same space.

”

“

The Chadi Centre is a bright, beautiful space! The colors are fun and bringing in the light from outside really opens up the space and makes it feel welcoming.

”

GLENROSE PEDIATRIC STAFF FEEDBACK



“

My favorite moment was when a child pointed to the cochlear implant, signed 'same' and pointed to his own cochlear implant.

”

“

It's been so wonderful to be able to have a variety of spaces available for use in one area. Our children are so diverse and all have different needs. Being able to access this in one area has improved the quality and coordination of our care. The fitness area also provides a focused and fun area for teens to work-out and build their strength.

”

PATIENT STORIES

TOBY

Every parent's nightmare came true for Mignon and Kevin when their eight-year-old son Toby had a stroke. What had started as headaches and vomiting, quickly escalated, and Toby was rushed to the operating room for brain surgery.

It was agonizing for Toby's parents to watch as he underwent multiple surgeries, never sure if he'd recognize them when he woke up. They didn't know if he'd walk or talk again, or return to being the active little boy he had been before the stroke. But everyday brought small increments of hope – biting down on the tubing in his mouth one day, a tiny smile the next. Finally, he was ready to leave acute care and move to the Glenrose Hospital for rehabilitation.

Toby arrived at the Glenrose in a wheelchair, and walked out on his own, seven months later.



During that time, Toby worked hard to regain all his skills. He went from tube feeding to eating solid foods again – his first choice was a cheeseburger! He worked with the staff to strengthen and refine the motor skills in his right arm, which had become weaker than his left. Music therapy was especially helpful for Toby, as were all the crafting activities.

Since leaving the Glenrose Rehabilitation Hospital, Toby is back at school and recently achieved one of his goals – climbing the monkey bars with his friends.



“

The Glenrose became our home, our family, our lifeline and our place of more miracles. Big miracles.

~ Mignon, Toby's mom

”

MAGGIE

From learning to ride her bike to learning to drive a car, Maggie's hit a lot of milestones at the Glenrose. After being diagnosed with cerebral palsy at 18-months-old, her family wasn't sure what her future would be like. But, Maggie put all her energy into everything she did, including her extensive physio and occupational therapy sessions.

Once she puts her mind to something, there is no stopping her. At age 11 she decided she wanted to learn to swim. To master the skill, Glenrose physiotherapists worked with her in the pool three days a week over her Christmas break. She was a natural in the water and worked her way up to longer distances, becoming a competitive para swimmer. Maggie would have qualified for the Pan Am games, if not for the pandemic shutting the competition down.

Since she was little, Maggie's family has encouraged her to take every opportunity, including being one of the first kids in North America to use the Lokomat – robotic legs that integrate with a treadmill and body-weight support system. After turning 16, Maggie set her sights on a new goal – getting her driver's license. With help from her

team at the Glenrose, she's already passed the cognitive assessment and is now working on practicing her skills. For that, she's using the hospital's driving simulator, a fully immersive and realistic technology that helps people of all ages learn (or relearn) how to drive a car using adapted controls.

Maggie and her family have been coming to the Glenrose since she was two years old. Like so many Glenrose families, theirs is a lifelong journey, with different needs at different times, but her care team is always right behind her to help her achieve all her goals.



Every significant milestone in my sixteen-year-old daughter's life was because of the Glenrose and they've celebrated those milestones with us. ~ **Doreen, Maggie's mom**

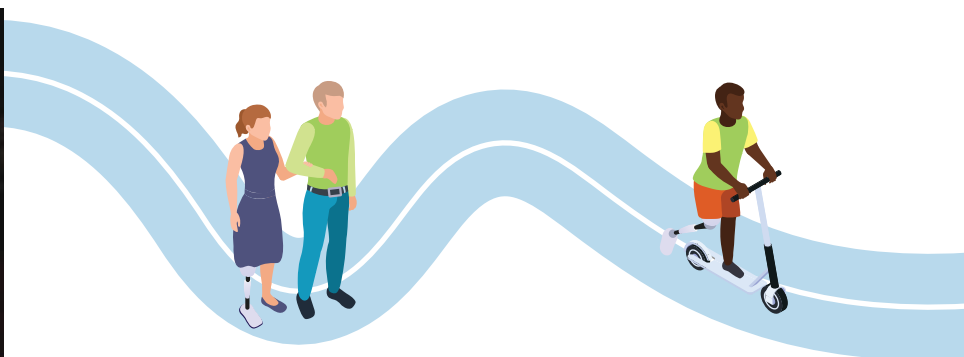


DONORS SPOTLIGHT

Community support is instrumental in helping patients to achieve their rehabilitation goals and reimagine their futures. The Ferri family and the Honourable Laurie Hawn are inspiring examples of generosity in action.

THE FERRI FAMILY

Gino Ferri and his family have a long history with the Glenrose Rehabilitation Hospital, beginning over 30 years ago when his grandson was diagnosed with autism. The Glenrose Hospital provided a safety net of care for his grandson, and Gino's family has relied on that support for the past three decades. Since 2015, Gino and his late partner, Patricia, have been the primary sponsors of the Glenrose Rehabilitation Hospital Foundation's Courage Awards. They chose the Courage Awards as a way to give back to the hospital, while also celebrating the patients that inspire them.



THE HONOURABLE LAURIE HAWN

The Honourable Laurie Hawn has been a passionate and dedicated supporter of the Glenrose Rehabilitation Hospital since 2010. During his time as a board member, Laurie was an outstanding ambassador for the Foundation. He fully immersed himself in his role and embraced numerous opportunities to make an impact as a member of the Fund Development Committee and the Glenrose Rehabilitation Research Innovation and Technology Hub. He continues his support, alongside two other past trustees, by organizing the Courage Ride for Rehab, an annual fundraising event that has raised over \$170,000 since it began 6 years ago.

In addition to his involvement with the Glenrose Foundation, Mr. Hawn is a retired Lieutenant-Colonel of the Royal Canadian Air Force, dedicated almost a decade to serving the country as a Member of Parliament, and is a volunteer with many worthy organizations and causes.





COURAGE RIDE FOR REHAB

Riders dusted off their bikes for the 6th annual Courage Ride for Rehab, a fun fondo for everyone from families to avid cyclists. Riders participated either virtually, or in person at Pigeon Lake in September to show their support for frontline healthcare workers and first responders.

It was a record breaking year for the Courage Ride for Rehab. For the first time ever, there were more than 150 riders, and thanks to the generosity of donors, sponsors and participants, the organizing committee surpassed their fundraising goal of \$50,000.

Thank you to Courage Ride for Rehab committee members: Dick Cotter, Laurie Hawn, Dallas Smith, Gerry Lorente, Lori-Ann Muenzer and former patients David Raborn and Meghan Harris. Their leadership and vision continues to make this event a huge success.



SHINING A LIGHT

In early May of 2021, we celebrated courageous Glenrose patients at the Shining a Light event. Thanks to all our sponsors, led by UNITE HERE! Local 47, the trees in front of the Glenrose Hospital were decorated with bright lights and glow balls, which created a stunning experience for people driving by, as well as patients and staff at the hospital.



WHAT'S NEXT?

THE POWER OF IMAGINATION

Playing is a critical part of childhood development, allowing kids to express their thoughts and move freely. This can be difficult for kids who have movement and communication challenges, like many of the Glenrose's young patients. Brain-computer interfaces (BCI) have been a game-changer for some of these kids already, with huge potential to help even more children engage in play in ways that used to be impossible.

The Glenrose is home to one of three pediatric BCI programs in Canada. While this technology is new, the outcomes are already impressive.



WHAT IS BCI?

BCI unleashes the power of imagination. It allows a child to use their mind to control aspects of their environment.

BCI starts with a child who has a mind full of great ideas, but also has challenges with movement and communication.

They wear a special headset that can record brain waves and send messages to a computer.

The computer translates these messages into actions. Actions like playing a video game, driving a remote controlled car, creating art and more.

The Glenrose Rehabilitation Hospital Foundation has committed to funding the next three years of the pediatric BCI project at the Glenrose Hospital.

2021 COURAGE AWARD RECIPIENTS



Each year staff at the Glenrose Hospital nominate their patients for the prestigious Courage Award. The criteria for nomination includes demonstrating courage and serving as a role model to other patients during their rehabilitation journeys.

VIVIENNE



Vivienne suffered the devastating loss of her daughter, son and mother in less than a year. Not long after, she received a cancer diagnosis. She was referred to the START Psychiatry Day Hospital at the Glenrose where her positivity and kindness inspired others.

DAVID



David, a farmer from central Alberta, suffered severe electrical burns following a tractor accident. He had nine surgeries and lost his left arm and right leg. His rehabilitation included relearning how to walk, using a prosthesis.

ISABELLE

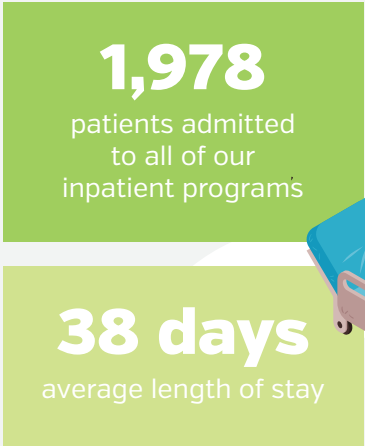


Shortly before starting Grade 9, Isabelle found out she had a brain tumour. After undergoing surgery to remove the tumour, she was diagnosed with posterior fossa syndrome and lost the ability to move and speak. Isabelle spent 7 months at the Glenrose Hospital, where she continuously impressed her care team with her hard work and gratitude.

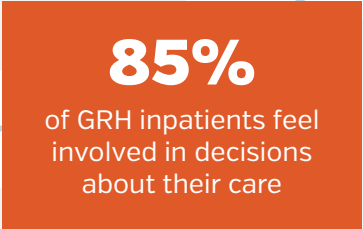
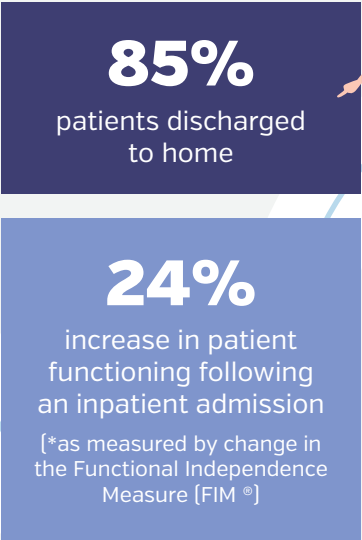
GLENROSE REHABILITATION HOSPITAL

2021 RESULTS

INPATIENT ADMISSIONS

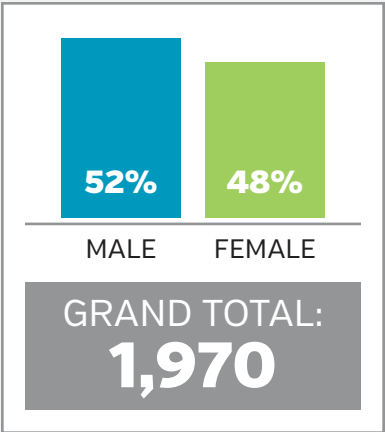
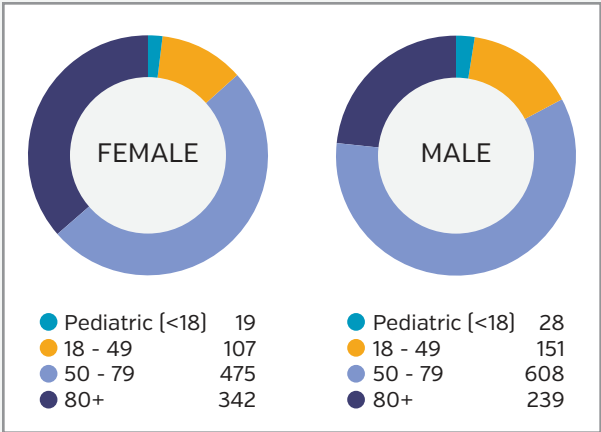


PATIENT OUTCOMES



PATIENT EXPERIENCE

INPATIENT DISCHARGES BY AGE GROUP AND GENDER



OUTPATIENT (AMBULATORY) UNIQUE PATIENTS AND AMBULATORY VISITS



22,387

unique ambulatory patients [approx]



66,026

ambulatory scheduled, completed visits*



47,906

total ambulatory in-person visits**



18,120

total ambulatory virtual visits*

3,876

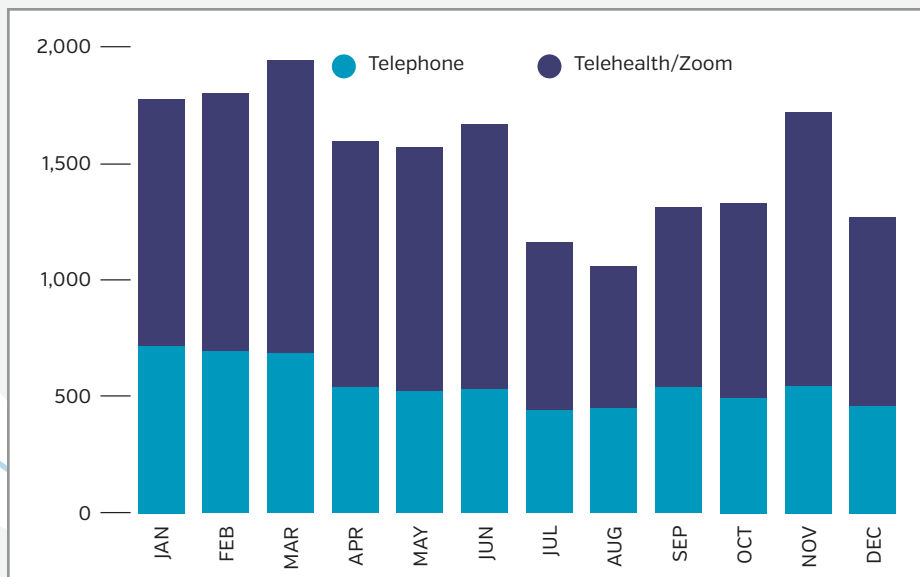
visits to the Chadi Centre

55

covid patients for rehabilitation

*This includes offsite, telephone, telehealth and group visits, but excludes unscheduled visits. **Includes 1:1, groups and offsite.

TELEPHONE & TELEHEALTH/ZOOM APPOINTMENTS



INNOVATION & TECHNOLOGY

This year, the GRH has continued to support innovation through **11 Innovative Projects** and **17 Innovative Products**

Our patients access **8 different innovative equipment technologies**, to support their goals

67 Principal Investigators (PI) with **207 active/open research studies**

1,665
staff

103
staff redeployed

316
students

REDEPLOYMENT

COVID-19 continues to affect frontline healthcare workers, even those at a rehabilitation hospital. In 2021, 103 Glenrose staff were redeployed to other locations to support pandemic efforts. But what does it really mean to be redeployed?

Laura and Shannon, both speech-language pathologists at the Glenrose, shared some of the realities of redeployment. Their temporary roles over the last two years include swabbing in COVID-19 assessment centres, working in an acute care hospital, as well as comfort care on the Glenrose's inpatient units.



The shifts were both physically and mentally exhausting. Swabbing centres are loud, echoing buildings with hard, concrete flooring. I was often scheduled at the drive-thru site in Sherwood Park. These shifts continually ran over their scheduled time because we needed to swab all of the cars in the line up. We swabbed in the heat/rain/cold, leaning in the window of cars. There's only so much clothing you can fit under a gown and you couldn't wear mittens/gloves under surgical gloves.

As a Pediatric Speech language pathologist, my job is to help facilitate communication and ease frustration. As a swabber, I continually made children cry at a rate of 4 times per hour. This quote really resonates with me:

"I dream of never being called resilient again in my life. I'm exhausted by strength. I want support. I want softness. I want ease. I want to be amongst kin. Not patted on the back for how well I take a hit. Or for how many." ~ Zandashe L'orelia Brown

**Laura, Speech-Language Pathologist
Glenrose Rehabilitation Hospital**



Although I was nervous about working in a new hospital, joining a new team, and assessing and treating patients with a higher level of acuity, I was also looking forward to learning more about the acute care sites in Edmonton and developing my skill set further. Working at the Glenrose, I am used to seeing patients who are more medically stable, and despite the new challenges they face, are working toward their goals of getting back home, potentially to work or their families. At the U of A, I was able to see the initial part of their time in hospital, which gave me a greater perspective of the whole patient journey through the healthcare system. It was a tense time due to the surge of the Delta variant and having already been through a year and a half of life during a pandemic, but the U of A team was very welcoming and willing to help me feel comfortable in the new setting.

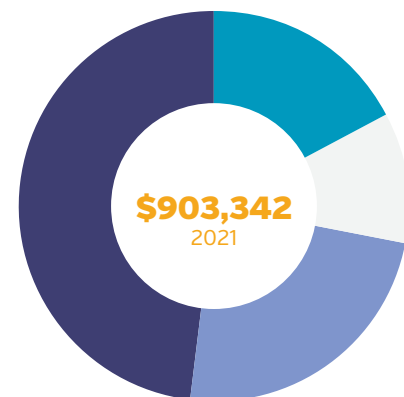
Although redeployment was at times stressful, and pushed me out of my comfort zone entirely, it was beneficial for me as a clinician to see and recognize the whole path to recovery for the patients I treat, and gave me better perspective as a clinician.

**Shannon, Speech-Language Pathologist
Glenrose Rehabilitation Hospital**

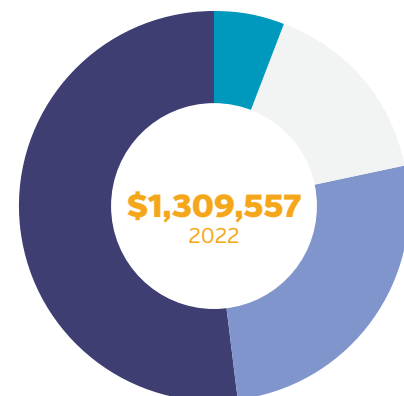


FINANCIALS

Fiscal Year	2022	2021
REVENUE		
Donations and fundraising	\$2,446,621	\$1,683,152
Casino	\$210,704	\$206,968
Government grants and assistance	\$273,335	\$371,435
Realized gains on investments	\$360,560	\$91,733
Unrealized gain (loss) on investments	[\$101,974]	\$905,304
Dividends and interest	\$163,403	\$145,289
Total	\$3,352,649	\$3,403,881
EXPENSES		
Administrative	\$282,739	\$254,312
Fundraising	\$1,026,818	\$649,030
Total	\$1,309,557	\$903,342
Revenue over Expenses before Distributions	\$2,043,092	\$2,500,539
Distributions to Glenrose Rehabilitation Hospital	\$1,500,946	\$1,620,754
Revenue over Expenses	\$542,146	\$879,785



Administration Expenses	\$155,598
Administration Salaries	\$98,714
Fundraising Expenses	\$216,277
Fundraising Salaries	\$432,753



Administration Expenses	\$78,393
Administration Salaries	\$209,346
Fundraising Expenses	\$344,569
Fundraising Salaries	\$682,249

WHERE DO DONATIONS GO?

Community donations directly support our mission of advancing rehabilitative care at the Glenrose Hospital by fueling innovative research and education, as well as acquiring advanced equipment and technology. Donor investments give patients, their families and staff an array of tools to help them positively shape their futures. Thanks to donors, Glenrose Hospital patients can reimagine their futures.

TECHNOLOGY & EQUIPMENT

\$257,059

RESEARCH

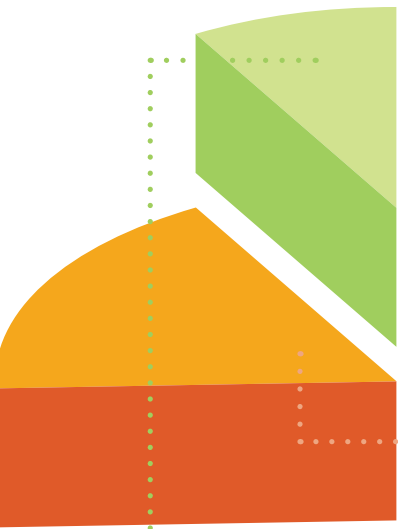
\$1,121,489

FACILITIES & PROGRAMS

\$122,398

FUTURE COMMITMENTS

\$3,641,552





GLENROSE
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