



1. In Full Bloom - Restoring the Healing Garden - \$55,000.00

Dell Children's Administration - Deb Brown, Chief Operations Officer, Amanda Grinnell, MPH, Project Coordinator, Kayla Rueter, CCLS & Douglas Galeano, Facilities Manager

Dell Children's is fortunate to have an incredible outdoor escape for patients, families and associates. With a 3 acre multi-level Healing Garden, there is no shortage of fresh air and green grass to escape to for a moment of zen. The Healing Garden currently features a reflecting pond, human sundial, and plenty of space to roam. **Grant funding would cover the costs associated with updating the current landscaping with vendor, CleanScapes for rejuvenation of the Dell Children's Healing Garden.** With a little love, the commitment from Facilities, Administration and Child Life, and a whole lot of landscaping, we can transform the garden into the restorative, therapeutic, and healing environment that our patients, families and associates both need and deserve.

2. Removing Impediments to Workflow while Preventing Cross-Contamination in 3 Central's Medically Vulnerable Patients - \$52,244.00

3 Central - Emily McSpadden, MSN, RN, Clinical Manager

3 Central cares for the highest volume of our inpatient population, caring for about 200-300 patients and families per month. Currently, our twenty-four bed unit has 4 mobile vital sign machines that are wheeled room to room for our patients. Between patients, these must be wiped with disinfectant wipes in order to prevent disease transmission. These wipes require 3 minutes of sit time to fully disinfect, in addition to the two minutes and thirty seconds it takes to thoroughly wipe all surfaces, cords and connections. This can lead to over 6 hours of time lost per shift. **Grant funding would provide 16 vital sign machines for 3 Central, the unit at Dell Children's that primarily cares for patients with infectious diseases and pulmonary conditions. Outfitting each patient room with a vital sign machine will greatly reduce the potential for cross contamination amongst our medically fragile patient populations as well as enhance nurse and patient care technician workflow.**

3. Wound Care Virtual Reality: Decreasing Pain Levels in Pediatric Burn Patients - \$18,050.00

Rehab Physical Therapy Wound Care - Lauren Cosby, MS, CCLS & Kristin Allen, PT

The Rehabilitation Wound Care department at Dell Children's Medical Center sees over 1,500 children with burns per year. These burns may range in severity from second degree that require 2 to 3 wound care visits to deeper 3rd degree wounds that can require as often as daily visits and ultimately result in surgical skin grafting. The goal for this program is to provide an effective, non-pharmacological pain management option for all ages of pediatric burn patients. While there are many methods Child Life Specialists can utilize, one that has been clinically shown to reduce anxiety and perceived pain levels is virtual reality. **Grant funding would provide one virtual reality system (V-Pod) to be installed in the wound care procedure room that has been clinically proven to reduce pain and anxiety during invasive procedures. The system includes a 42-inch screen equipped with the V-Pod system, 3-D glasses, an incentive spirometer for breathwork games & a three-year warranty.**



4. Superpowers: AccuVein Gives Superheroes X-Ray Vision - \$46,500.00

Dell Children's Nursing Administration - Andrew Kosko MSN, RN, NEA-BC, CCRN, CPN

Patients often require venous lab draws and peripheral intravenous (PIV) access, which can be uncomfortable and painful. At Dell Children's Medical Center (DCMC), we strive to safely and comfortably complete these procedures. There are times when the medical team has difficulty visualizing the vein, leading to prolonged procedure times, multiple needle sticks, and delays in treatment, especially in emergencies. The AccuVein Vein Finder is a handheld device that is portable and affordable. It enables the medical team to see a peripheral veins map to assist in the venipuncture. Some patient populations are more challenging to obtain blood or intravenous access. This device will allow the team to "see" the vasculature when they cannot visualize it with their naked eye—hence giving superheroes the "superpower of x-ray vision", as one patient stated. This will help our medical team find a vein that will decrease the procedure's anxiety and potentially prohibit any delay in care. Utilization of the AccuVein Vein Finder will significantly impact patient and associate satisfaction and help reduce overall staffing and costs. **Grant funding would allow for the purchase of ten (10) AccuVein Vein Finders (distributed to Critical Care, Acute Care, Emergency Dept., Radiology, Outpatient Infusion Center, Surgical Services, Children's Blood/Cancer Center and Sedations) to be readily available to use during difficult lab draws or intravenous insertions. This innovative technology would impact all patients at DCMC by reducing pain and anxiety related to these types of procedures.**

5. ICU Liberation: Mobility is Medicine, Communication is Compassion - \$58,575.00

Pediatric ICU - Ashley Kaspar, MS, CCC-SLP, Speech Language Pathologist, Catherine Harrison, PT, DPT, Physical Therapist & Monica Smith, RN, BSN, BBA, Quality Coordinator

The Pediatric Intensive Care Unit is pursuing funding for a suite of equipment that supports mobility, communication and play in the ICU. The common theme of this equipment is "ICU Liberation" - a national culture change in pediatric critical care to liberate patients from the harms of traditional ICU therapies (bedrest, sedation and immobility) - which are proven to delay recovery and cause preventable harm like delirium, muscle wasting and loss of function. Instead of bedrest, our aim is to see patients on ventilators walking as part of their therapy. Instead of heavy sedation, our aim is to see patients calmly awake and able to communicate. Instead of leg lifts and marching in place, our aim is to see playing children and teens, outfitted in virtual reality headsets - to walk on the moon, climb a mountain and heal through play. For many children, the motivation to "play" can successfully distract from the actual "work" that comes with rehabilitative exercise or therapy. The ICU requires this dedicated and easily accessible equipment as with many patients, brief moments of wakefulness are often unpredictable and fleeting. **Grant funding would provide adaptive equipment (cordless pulse oximeter) and facilitators for getting out of bed (sit to stand trainer), iPads and application software for visually directed communication as well as play mats and virtual reality gaming software.**



6. Operation: Outpatient Outreach- \$12,000.00

Grace Grego Maxwell Mental Health Unit - Nick Vaché, MBA, Service Line Director & Regan S.M. McGahan, LMSW, Social Work, IOP Clinician

Our Behavioral Health Outpatient Programs at Dell Children's requests funding to support an initiative to help teens and parents maximize the skills they learn in therapy called - Operation: Outpatient Outreach. This initiative would consist of providing every teen who participates in our Intensive Outpatient and Partial Hospitalization programs to leave Dell Children's with a personal pack of positive coping skill cards that are easily accessible and will last long after the program has ended. These positive coping skills would be a set of 20 cards, roughly 3.5" x 3.5" with all the therapeutic skills our families learn in their outpatient therapy programs including reminders on how to use skills. We know navigating the continuum of care in mental health services can be confusing for both parents and teens who admit from one program to another. Any family experiencing a mental health crisis with their child can attest to the whirlwind of programs, acronyms and skills presented to them throughout their journey. Parents also recognize the valuable knowledge gained and often wish they could remember the specific language when talking with and helping their child at home. Operation: Outpatient Outreach empowers parents and teens as they transition through our step down programs and ensures the skills they learned will always be just a fingertip away. **Grant funding would provide all patients participating in the IOP and PHP program over a period of two years with a special coping skills card package to take home and reinforce the skills they learned at Dell Children's.**

7. Reimagine Learning for our Medically Fragile NICU Families - \$49,425.00

Susan Dimitrijevic, BSN, RN, RNC-NIC, NICU Clinical and Transport Manager & NICU manager and Melissa Marnell, BSN, RN, NICU Department Nurse Supervisor

At the Dell Children's Neonatal Intensive Care Unit we have a 32 bed Level IV center caring for the sickest and tiniest Central Texans needing surgical or specialty care. Many of our patients have complex medical conditions resulting in a need for follow up with several different specialists and education to make sure they understand how to care for a medically fragile child. NICU parents and families are suddenly, and often unexpectedly, put in a situation where they have little understanding of what is happening, what their role is or what the future holds for them or their child. Parent's of infants in the NICU often feel overwhelmed by the level of knowledge and understanding that is needed during a NICU stay. This can add to additional anxiety and concern, creating a barrier in active participation in the care of their infant. As well as the education that nurses provide by the bedside, parents need extra guidance in navigating NICU complexities, they need specific modules of learning to prepare for discharge and they need to master the skills needed to care for their baby at home. **Grant funding would provide 15 electronic tables providing access to an educational platform called NICU Knowledge™ Parent Education System. Grant funding would provide for a 6 year subscription to discharge educational videos (in Spanish and English) which will compliment nursing education and support NICU parents of all diversities and educational levels through their NICU journey and in preparation of care for their infant at home.**



8. Resiliency Training for Dell Children's Staff - \$50,000.00

Center for Resiliency at Dell Children's - Krista Gregory, Center for Resiliency Founder and Manager

Resiliency Training is a 6-session course offering resiliency techniques for professionals to use on the job to navigate the unique challenges inherent in healthcare. This training opportunity is unique in that relevant issues are used to practice resiliency techniques in real-time, aiming to address the root of the struggles. Additionally, during the course, staff interact with colleagues from different departments who face the similar challenges but from different perspectives. **Grant funding of \$50,000 would ensure that we could provide our evidence-based resiliency training to 500 healthcare professionals.** The training teaches very practical tools that the healthcare provider uses at the bedside, in the midst of the stress and trauma, to manage their own struggle. With tailored training, our caregivers can be fully human and fully present for our patients and families in their greatest time of need, ensuring that the provider stays healthy and the children continue to receive experienced, expert care. The funding would also be used to train healthcare professionals as Resiliency Training teachers, allowing us to expand our reach and our sustainability.

9. A Photo is Worth a Thousand Smiles: Love the Skin You're In - \$25,000.00

Pediatric Dermatology Division - Dell Children's Medical Group

Emily Croce, PNP, Dr. Lucia Z. Diaz, Dr. Moise Levy, Dr. Jennifer Ruth and Sasha Jaquez, PhD

Of the more than 10,000 patient and procedure visits with 6,000 unique patients in the Dell Children's Pediatric Dermatology Clinic per year, most of these children have visible skin differences. Many of these conditions are also severe and/or life-limiting. Children with these diagnoses are at risk of lower self-esteem, bullying, poor school performance, negative impacts on relationships with family and friends, depression, anxiety, and even suicidal ideation. Children and families tell us that they feel alone, like they are the only people experiencing their conditions, and wonder whether there are other children that look like them. Additionally, many parents are so busy caring for their medically fragile children that they do not have the time, money, or energy to arrange something special for themselves. The goal of our project is to improve our patients' self-esteem, help them feel less alone, present the humanity and dignity of children with visible differences, promote bonding within the family, and change societal and personal misconceptions about their skin conditions. **Grant funding would provide professional patient/family photo sessions for 35 children and their families, edited digital images, photo books, and print/framing allowances. In order to allow many more children and families to experience the beauty that lies in our patients' differences and see other kids that look like themselves in an empowering way, funding would also include framed images for display in our clinic and at Dell Children's Medical Center or another location selected by the Trust Group.**