

PM&R Evaluation & Spasticity Care

By Children's Rehabilitation Institute TeletonUSA



The Children's Rehabilitation Institute TeletonUSA (CRIT) provides comprehensive, world-class rehabilitation services to children with neurological, muscular, and skeletal disabilities. Through compassionate, family-centered care and an integrated team of

Critical Need in our Community and Population to Be Served by the Project:

In San Antonio, hundreds of children with cerebral palsy, spina bifida, neuromuscular disorders, and related neurological conditions lack access to the diagnostic precision and clinical accuracy their conditions demand. Spasticity—abnormal, uncontrolled muscle tone—is a hallmark of many childhood neurological diagnoses. Without expert management, it progresses into permanent contractures, joint deformities, chronic pain, and irreversible loss of mobility. These are not merely functional limitations; they are preventable health crises with lifelong medical consequences.

CRIT is the only outpatient comprehensive pediatric rehabilitation institute in San Antonio. Our PM&R physician practice and Spasticity Management Clinic exist to address this gap—providing physician-led evaluation, Botulinum toxin injection therapy, and individualized rehabilitation plans. Yet two urgent needs persist. First, demand far exceeds capacity: 299 Bexar County children are on CRIT's active waitlist. Second, our physicians currently practice without point-of-care ultrasound—the gold standard for pediatric musculoskeletal assessment and injection-guided spasticity treatment. Without it, clinical precision is limited and patients receive less accurate evaluations and interventions than current best practice requires. In San Antonio, children with cerebral palsy, spina bifida, neuromuscular disorders, and related neurological conditions often lack access to the specialized diagnostic precision their conditions require. Spasticity—abnormal, uncontrolled muscle tone—is a progressive complication that can lead to contractures, joint deformities, chronic pain, reduced mobility, and lifelong disability when not treated early and accurately.

CRIT is the only outpatient comprehensive pediatric rehabilitation institute in San Antonio. Through our PM&R physician practice and Spasticity Management Clinic, we provide physician-led evaluations, Botulinum toxin injection therapy, and individualized rehabilitation plans for children with complex neurological conditions. However, two critical challenges remain: demand exceeds capacity, with 299 Bexar County children currently on CRIT's waitlist, and our physicians do not yet have access to point-of-care ultrasound technology—the clinical standard for pediatric musculoskeletal assessment and ultrasound-guided spasticity treatment.

Without ultrasound guidance, evaluations and injections are less precise, limiting treatment accuracy and patient outcomes. Early, targeted intervention is essential to preventing avoidable complications that often result in surgery, hospitalization, and long-term intensive care needs.

CRIT serves children from birth through age 18 with complex disabilities across San Antonio and the broader metro area. In 2025, 440 unique patients received 23,142 appointments; 350 are from Bexar County and surroundings.

Demographics: 55% male, 45% female; 74% Hispanic/Latino; 62% English-speaking, 33% Spanish-speaking (bilingual services provided). 74% live below the federal poverty line; 67% rely on Medicaid or government insurance. CRIT is a safety-net provider—no child is turned away for inability to pay.

Disability profile: ~140 cerebral palsy; ~95 genetic disorders; ~60 neurodevelopmental; ~40 neurological injury; ~35 neuromuscular; ~35 congenital; ~20 spina bifida; ~20 seizure disorders; ~15 orthopedic conditions. Every diagnosis has musculoskeletal or neuromuscular components that benefit directly from ultrasound-enhanced PM&R care. CRIT serves children from birth through age 18 with complex disabilities across San Antonio and the broader metro area. In 2025, 440 unique patients received 23,142 appointments; 365 are from Bexar County and surroundings.

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Description of Project and Proposed Use of Impact SA Funds:

Completing this capital investment will fundamentally elevate CRIT's ability to serve San Antonio's most medically complex pediatric patients in two critical ways.

First, for PM&R physician evaluations: point-of-care ultrasound enables real-time visualization of muscle structure, joint health, nerve integrity, and soft tissue—transforming standard evaluations into precise, image-guided assessments. Every new patient and every follow-up appointment benefits. Hip surveillance for children with cerebral palsy, nerve assessment in neuromuscular conditions, and muscle integrity monitoring become more accurate and actionable.

Second, for the Spasticity Clinic: ultrasound guidance elevates Botulinum toxin injections from unguided to gold-standard, image-guided procedures. Physicians directly visualize target muscles, avoid blood vessels and nerves, and confirm placement in real time—reducing complication risk and improving treatment efficacy. CRIT will purchase the GE HealthCare Venue Go R6 portable point-of-care ultrasound system (Quote #2012608280.2)—a clinical platform purpose-built for musculoskeletal and neuromuscular applications. Components include: the Venue Go R6 ultrasound unit; three specialized transducers (L8-18i-RS linear array; L4-12t-RS pediatric/neonatal/MSK; L10-22-RS MSK/rheumatology); Venue Coach MSK software for guided procedure support; Vscan Air CL bundle for portable imaging; ultrasound cart; and probe accessories. A five-year standard warranty is included, ensuring uninterrupted clinical service.

The system will be housed in CRIT's Spasticity Management Clinic and PM&R physician suite at 10839 Quarry Park, San Antonio, TX 78233. No construction or facility modifications are required. Deployment is anticipated within 30 days of award notification. No additional staffing is required; CRIT's existing PM&R physician team will operate the system.

Impact SA funds of \$100,000 will be allocated across three budget categories:

Indirect Costs – \$10,000: Mandatory 10% overhead covering administrative support, utilities, and infrastructure required to execute this capital project.

Vehicle, Equipment, Furnishings – \$69,193: Full purchase of the GE HealthCare Venue Go R6 ultrasound system including all transducers, software, cart, support kit, and 5-year standard warranty per Quote #2012608280.2 (rounded to nearest dollar).

Program Supplies and Expenses – \$20,807: Ultrasound consumables required to operate the system over the 24-month project period, including sterile probe covers, ultrasound gel, cleaning supplies, and initial clinical training to ensure PM&R physician staff achieve full system competency. These supplies directly enable each patient encounter.

No funds will be used for personnel, construction, fundraising, or any ineligible purpose.

Impact on People to Be Served - Measurable Outcomes (Described in "S.M.A.R.T." terms):

Specific: Within the 24-month project period, CRIT will: (1) purchase and deploy the GE Venue Go R6 ultrasound system within 60 days of award; (2) integrate ultrasound into PM&R physician initial evaluations and follow-up appointments when clinically necessary; (3) conduct 100% of Botulinum toxin injections in the Spasticity Clinic with ultrasound guidance; and (4) serve a minimum of 365 pediatric patients from Bexar County and surrounding areas annually with elevated, ultrasound-guided PM&R clinical care.

Measurable: CRIT will evaluate outcomes through procurement records, EMR documentation, procedure tracking, and patient utilization data. Deployment of the GE Venue Go R6 ultrasound system will be verified within 60 days of award. EMR chart reviews will confirm ultrasound use in PM&R evaluations and follow-up visits when clinically indicated. The Spasticity Clinic will track Botulinum toxin injections to ensure 100% are performed with ultrasound guidance. Annual patient data will document at least 365 pediatric patients from Bexar County and surrounding areas receiving ultrasound-guided PM&R care.

Achievable: This is a capital equipment purchase integrated into a fully operational program—not a new service launch. CRIT's PM&R physicians have existing ultrasound-guided procedure training and require only brief system-specific orientation. The facility, patient base, clinical workflows, and staff are already in place. The system will be operational within 30-60 days of award. This is a precision upgrade to an existing program, not a stretch goal—execution risk is low and management capacity is demonstrated.

Relevant: Ultrasound-guided PM&R care directly advances CRIT's mission to empower children with disabilities to achieve their fullest functional potential. More precise diagnostics at the evaluation level produce more accurate,

effective treatment plans. More precise injections at the Spasticity Clinic level produce more effective spasticity reduction. Both translate into greater mobility, independence, and quality of life for children with physical disability—the core of CRIT's Health & Wellness mission.

Time-Bound: System purchased and delivered: by December 31, 2026. System fully operational in clinical use: by January 31, 2027. 100% ultrasound integration in Spasticity Clinic injections: by January 31, 2027. Ultrasound integration in PM&R evaluations: also by January 31, 2027 (6 months post-award). Year 1 Impact SA progress report: October 31, 2027. Final 24-month outcome report: October 31, 2028.

Project Budget:

Project Expense Category	Amount	Narrative
Indirect Costs (Overhead)	\$10,000.00	N/A
Program Supplies and Expenses	\$20,807.00	Ultrasound consumables over 24-month project period: sterile probe covers, ultrasound gel, cleaning/disinfecting supplies. Includes initial clinical training and system orientation for PM&R physician staff.
Vehicle, Equipment, Furnishings & Related	\$69,193.00	GE HealthCare Venue Go R6 ultrasound system (Quote #2012608280.2): unit, 3 transducers, Venue Coach MSK software, Vscan Air CL bundle, cart, accessories, and 5-year standard warranty. (\$69,193.09 rounded to nearest dollar.)
Total Expenses	\$100,000.00	