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A Year In Review
2022

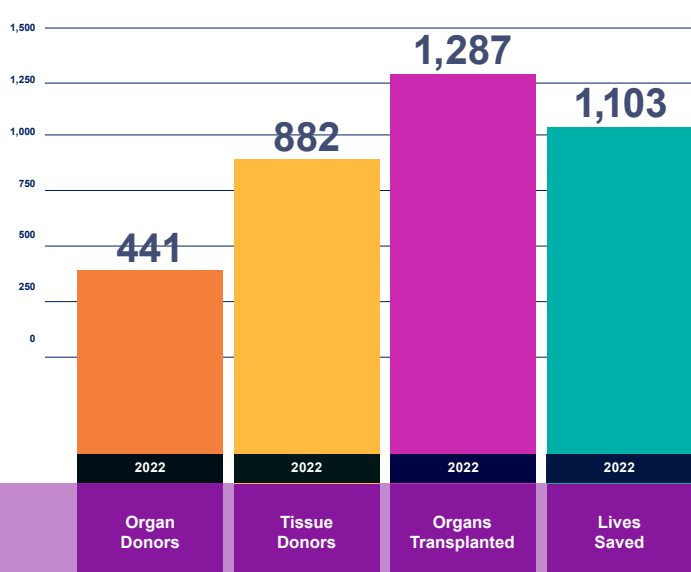
ACCELERATING INNOVATION:

Offering More Hope to Our Communities

LifeGift.org



These numbers represent lives, families and members of our community impacted by the gift of life.



599
Registered people became donors



560
PERFUSED KIDNEYS

101 ORGANS RECOVERED for education, medical therapy and clinical research.

40,956 REFERRALS SCREENED

by LifeGift's Communication Center for Donation (CCD) to assess potential donors for suitability, providing the first step in offering hope to families.

459 FLYOUTS

LifeGift routinely flies out to accept life-saving organs from donors within and outside our service area.

Making a Difference in Our Communities

Texas is a diverse state filled with a rich history and culture. Although each ethnic and cultural group has their own unique perspective on organ, eye & tissue donation, generosity and helping others in need are valued as important components of all communities.

LifeGift works directly with multicultural groups in Southeast, North and West Texas to share donation and transplantation information in a way that speaks to each

community's particular beliefs and values in a sensitive and relevant way.

This past year, LifeGift partnered with many new organizations across its three regions. Some examples included **The Morales Memorial Foundation, Hispanic Wellness Coalition, The Barbara Cares Foundation** and **South Plains Kidney Foundation**.



Research and Innovation in Organ Donation and Transplantation

SAVING LIVES THROUGH ADVANCING NEW TECHNOLOGIES



As part of our life-saving mission at LifeGift, we're committed to clinical research and new, innovative technologies that will help save lives today and in the future. Here are some highlights of LifeGift's technological innovations supporting our important mission:

NDRI Partnering with LifeGift for Developmental Genotype-Tissue Expression Project

The **National Disease Research Interchange (NDRI)** is partnering with LifeGift for the **developmental Genotype-Tissue Expression (dGTEx)** project. The dGTEx project is the first comprehensive public resource correlating gene expression and genetic variation in pediatric tissues from all major organ systems in the human body. In addition to LifeGift, NDRI also will collaborate with the Center for Organ Recovery and Education; ConnectLife; Donor Network West; Gift of Life Donor Program; Louisiana Organ Procurement Agency and Washington Regional Transplant Community.

The five-year dGTEx project is sponsored by the Eunice Kennedy Shriver National Institute of Child Health and Human Development, the National Institute of Mental Health and the National Institute of Neurological Disorders and Stroke. Other partners include Children's Hospital of Philadelphia, the University of Maryland and Johns Hopkins All Children's Hospital.

NDRI and LifeGift, along with other partners, will provide a comprehensive network to identify eligible program donors, screen pediatric donation opportunities for potential donation to the project and contribute extensive expertise in tissue recovery to provide suitable biospecimens to the dGTEx Laboratory Data Analysis and Coordinating Center for cutting-edge experimental methodologies.

To read the full press release announcement as featured on LifeGift's website, please [click here](#).

LifeGift, MediGO Partner to Improve the Tracking of Organs for Transplant

LifeGift announced a new partnership to help save more lives through organ donation and transplantation. LifeGift has teamed up with Baltimore-based MediGO, a first-of-its-kind health care supply chain technology company, to technologically enhance the transportation of organs for transplant.

After surgical recovery at the hospital that cared for the organ donor, organs may need to travel long distances to be transplanted into waiting patients. These organs may be transported via courier, ground or air transportation. MediGO's technology will provide LifeGift with real-time tracking and life-critical estimated times of arrival throughout the transplant process to predict an accurate time of arrival at a hospital or transplant center. This partnership will help ensure that no matter how far an organ travels, LifeGift and its partners will be able to monitor the time-sensitive journey at every moment, better manage resources and improve transplant outcomes.

The critical information, available simultaneously to all stakeholders through MediGO's app, includes GPS tracking, traffic and weather updates, best and alternative travel routes, flight delays and cancellations, and other vital data collected along the route.

To read the entire article, please [click here](#).

LifeGift, LifeShare and TOSA Conduct First-Time Uncrewed Aerial Transport of Organs Between Lubbock, Oklahoma City and San Antonio

LifeGift serving Southeast, North and West Texas, **LifeShare** in Oklahoma City, Okla., and **Texas Organ**

Sharing Alliance (TOSA) in San Antonio, Texas, joined forces with the Matador Uncrewed Aerial System (UAS) Consortium co-developed by Texas Tech University Health Sciences Center (TTUHSC) and 2THEDGE, LLC. to conduct an uncrewed aerial transport (UAS) to test the ability to successfully move organs between Lubbock, Oklahoma City and San Antonio. The test took place on Tuesday, November 15th with the UAS flight originating at Lubbock's Texas Tech University Reese Technology Center proceeding a distance of 350 miles to Oklahoma City, and then traveling 471 miles to San Antonio.

This is the first time that donated organs were transported this far a distance by an aerial system that was operated using robotic technology. The Optionally Piloted Aircraft (OPA) transported a donated human liver, kidney, and pancreas between the three cities. Although there was a pilot on board per FAA regulations, the plane was flown entirely by technology onboard. The organs were donated for clinical research and were not transplanted following the flight demonstration.

During these flights, Texas Tech University Health Sciences Center (TTUHSC) conducted research to establish baseline data of the impact environmental conditions have on donor organs during flight operations. This research, combined with both a static bench test and a typical ground transportation route of several hundred miles, will provide better understanding of the effect environmental conditions may have on tissue and organs.

To read the full press release announcement as featured on LifeGift's website, please [click here](#) and to view flight departure, please [click here](#).

LifeGift Utilizing Simulation to Improve Organ Donation

LifeGift's Simulation (SIM) Center is an innovative, research-driven, state-of-the-art training center. The SIM Center is envisioned as a premier educational environment devoted to the training of clinical staff with particular focus on how team members learn and adapt to new procedures and technologies. Additionally, its goals are to lead in evaluation development and testing regarding emerging technologies and techniques in transplantation surgery.



LifeGift's SIM Center trains team members to react and respond to various scenarios in a life-like simulated environment so risk to patients is substantially lowered in real life situations. Reducing medical errors and improving patient safety are only ones. Providing optimal patient care also includes uncovering latent safety threats, facilitating teamwork, and ensuring professional competency is improved.

Through clinical training in organ and tissue donor management, including medication, fluid and ventilator management, LifeGift's SIM Center advances the clinical team's critical thinking skills to stabilize patients effectively, reduce possibility of errors, and yield more organs and tissue transplanted per donor.