Donation Beyond Transplant

How Donation Advances the Future of Medicine

Every Human Data Trial begins with a gift. At Revalia Bio, donated human organs make it possible to study human biology in ways that have historically been difficult or impossible. Using advanced perfusion technology, organs can continue functioning outside the body, allowing researchers to study physiology, disease, and responses to potential therapies directly in human biology. None of this is possible without donors and their families. Donation is the foundation of our work and a responsibility we take seriously.

What can organ donation make possible?

Most people associate organ donation with transplantation: one person's gift directly saves or transforms another person's life. But donation can also create another legacy by advancing research that may benefit countless future patients. Donated human organs can provide insights that cannot always be obtained from cells, animals, computational models, or living patients. Revalia's Human Data Trials generate physiological and molecular data that help researchers understand disease, evaluate potential medicines and devices, investigate safety and drug distribution, and make better-informed development decisions.

Where do organs used by Revalia come from?

Revalia works with organ procurement organizations (OPOs), hospital systems, and other donation partners across the United States. OPOs support donor families and coordinate authorization, recovery, preservation, and transportation. Organs used by Revalia are donated for research after they are determined not to be suitable for clinical transplantation through standard transplant assessment workflows or through authorized pathways created specifically for research-exclusive donation. Research donation never competes with transplantation.

What is research-exclusive donation?

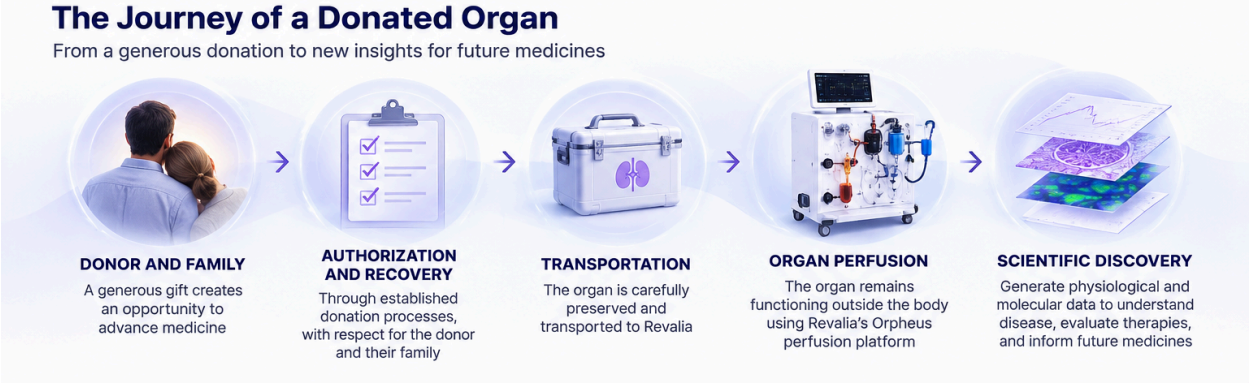
Research-exclusive donation creates a pathway for people whose organs would not be eligible for transplantation to donate specifically to biomedical research. Revalia and LifeShare of Oklahoma have worked together on the Research Exclusive Donation (RED) program, creating donation opportunities for individuals who would not otherwise be candidates for traditional organ donation, including certain patients with cancer and other diseases.

RED follows many of the same established workflows used in organ donation for transplantation—including donor referral and evaluation, authorization, clinical coordination, recovery, preservation, and transportation. The difference is the destination: these organs are donated specifically for research and would never have been eligible for transplantation.

This creates both a new opportunity for donors and an extraordinary opportunity for science. Disease-specific organs can allow researchers to study conditions directly in intact human

biology and evaluate potential treatments in models that more closely represent the patients those therapies are intended to serve.

Research-exclusive donation expands what donation can mean: a donor's legacy can extend beyond transplantation to discoveries that may benefit patients for generations.



How does Revalia match donated organs to research?

Revalia works closely with its OPO partners to evaluate each donation opportunity and match the right organ to the right study. Each potential organ is reviewed against study-specific criteria, which may include organ quality, donor demographics, medical history, laboratory values, anatomy, and disease status. Revalia supports both broadly representative studies and disease-specific models, allowing researchers to study organs with particular diagnoses or characteristics when scientifically appropriate.

The goal is not simply to accept any available organ. It is to place each donated gift into a study where it can generate meaningful, rigorous data and have the greatest potential to advance medicine.

Is research donation authorized?

Yes. Donation occurs through established authorization pathways. OPOs determine whether an individual previously authorized donation and, when appropriate, work with legally authorized decision-makers and donor families. Research donation follows applicable authorization requirements, laws, and protocols. Revalia receives organs through established donation partners and authorized pathways, with respect for donors and their families at the center of the process.

Why are donated organs so important for drug development?

Cells, animals, organoids, computational models, and AI all provide valuable information. But ultimately, medicines are intended for humans. A functioning donated human organ offers something fundamentally different: the ability to observe an experimental therapy interacting with complex, intact human biology while simultaneously measuring physiological and molecular responses. It can also help researchers answer questions that would be difficult or unethical to

test experimentally in living patients. Every donation creates an opportunity to learn directly from human biology before asking a living patient to take the same risk.

Behind every dataset is a person.

Behind every organ is a donor. Behind every donor is a family, a story, and an extraordinary decision to give. We are profoundly grateful to the donors and donor families who make this work possible and to the OPO professionals across the country who help ensure those gifts have the greatest possible impact.

Donation can save a life today. It can also help create the medicines that save lives tomorrow. To learn more about research donation, partnering with Revalia, or expanding research-exclusive donation opportunities, visit revaliabio.com or contact contactus@revaliabio.com.

