



MONDAYS WITH
D R **MARK &** D R **MICHAEL**

Monday, February 24, 2025 | 1:00 – 2:00PM

TOPIC #39
The Gift of Life: Organ Donation



Guest speaker:



Philip M. Sommer, MD

- System Director, Organ Donation, *NYU Langone Health*
- Assistant Professor, Department of Anesthesiology, Perioperative Care, and Pain Medicine, *NYU Grossman School of Medicine*
- Director, Surgical Intensive Care Unit Service, *Tisch/Kimmel at NYU Langone Health*



MONDAYS WITH
D^R MARK & D^R MICHAEL



Current Trends and Topics in Organ Donation

Philip Sommer, MD
Director of Surgical Intensive Care Unit
System Director for Organ Donation
02/24/2025

Transplant Institute



Topics to Cover

- **Brief history of organ donation**
- **Our current state of organ donation**
- **What are the different types of organ donation**
- **Outcomes of organ donation**
- **Organ allocation**
- **Organ donation and employer considerations**
- **Grab bag topics**

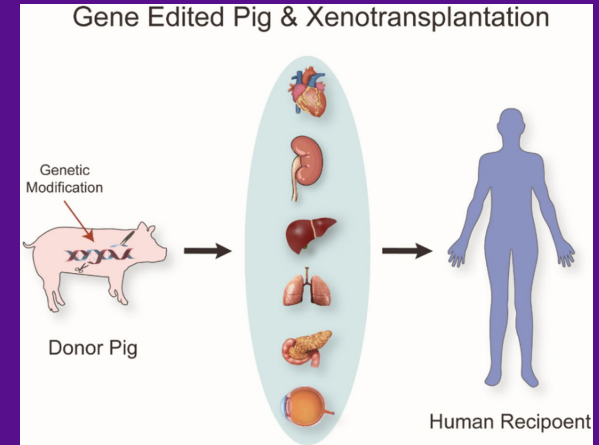
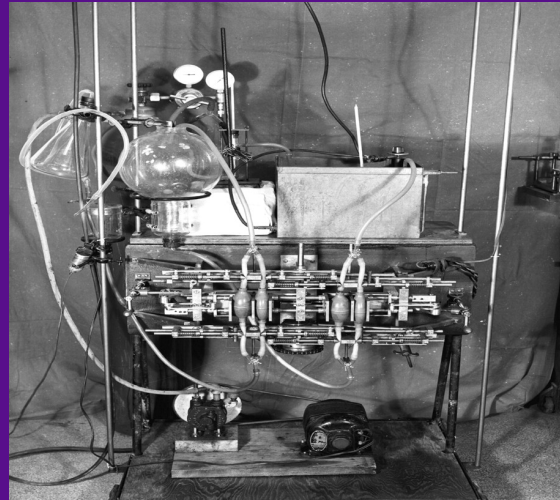
History of Organ Donation

- **1954 is the first transplant done at Brigham in Boston**
- **1966 first pancreas transplant in Minnesota**
- **1967 first heart transplant completed in South Africa**
- **1967 first liver transplant in Pittsburgh**
- **1986 first lung transplant in Toronto**



History of Organ Donation

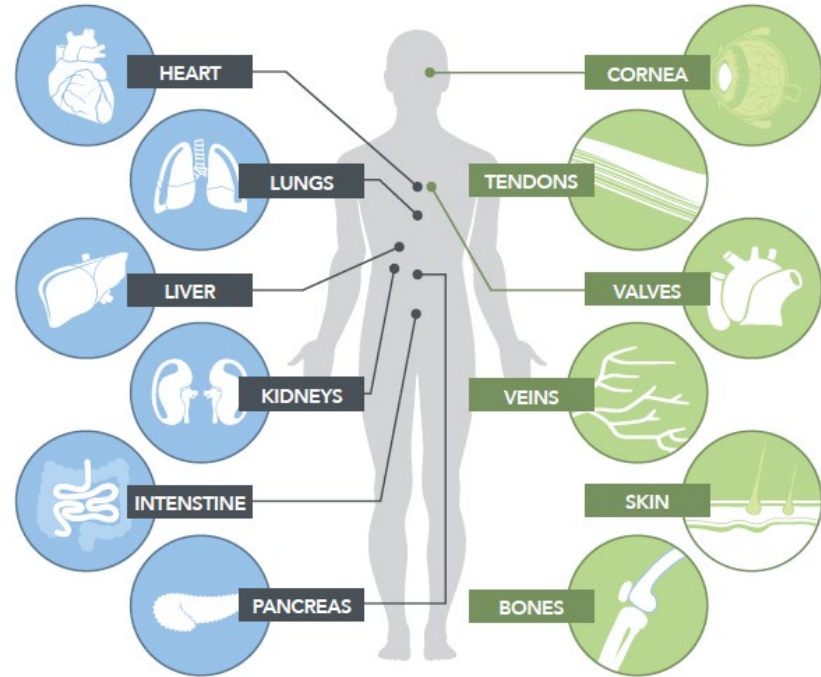
- The success of transplant has been possible due to other medical breakthroughs



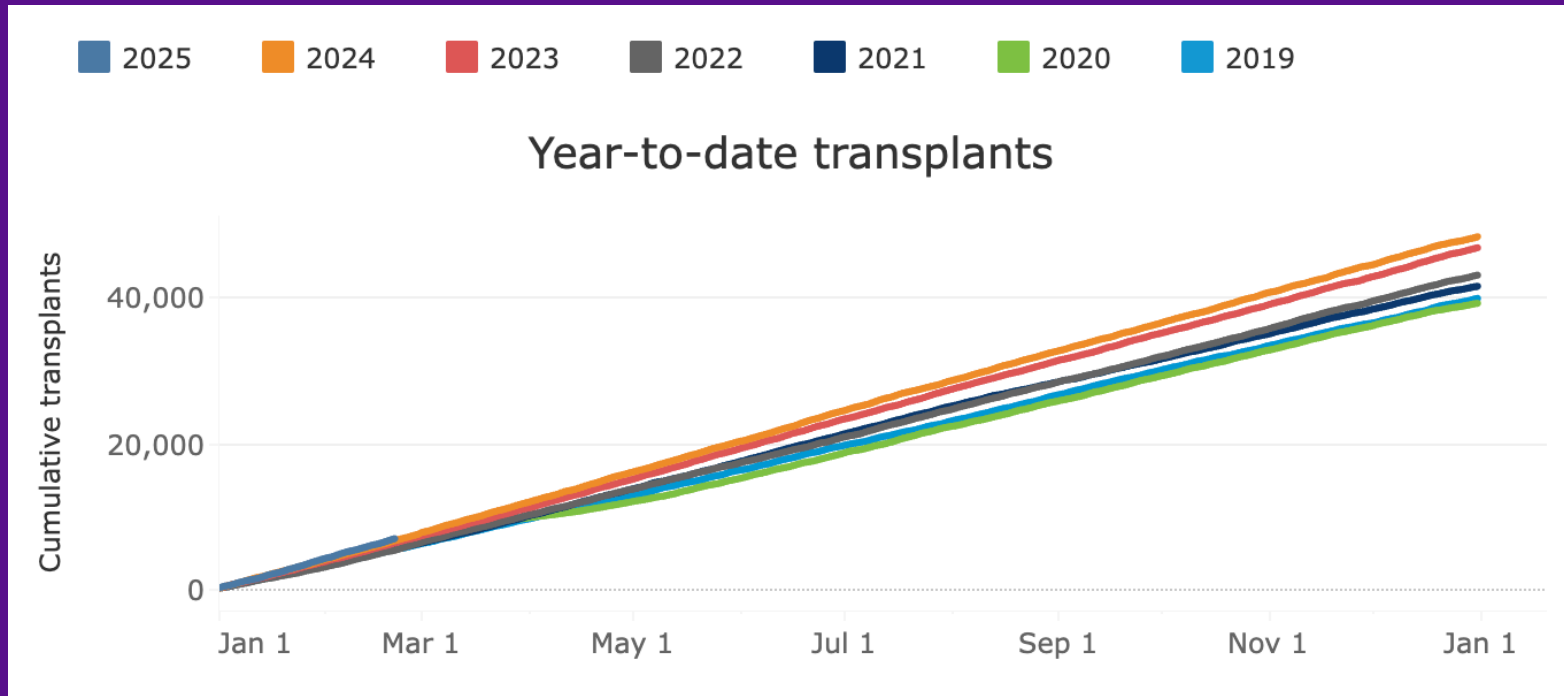
Organs for Donation

- A single individual can save the lives of 8 others
- This number can be 9 with the advent of split liver donation
- Tissue donation has a massive potential to improve the lives of others

LIFESAVING & HEALING ORGANS & TISSUES

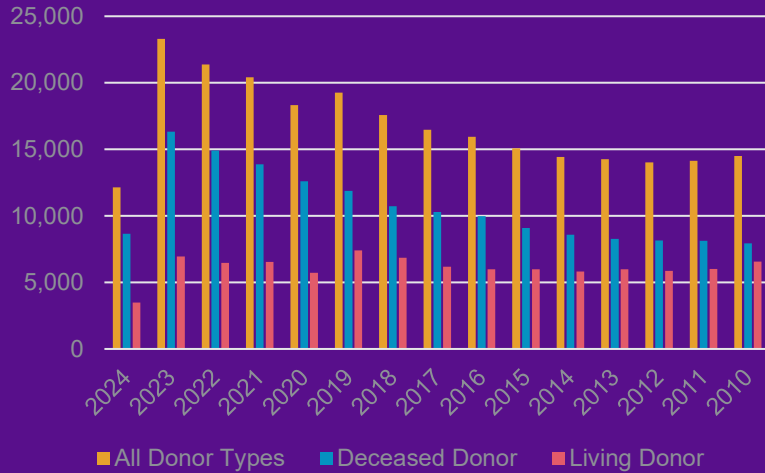


Where Are We Today?

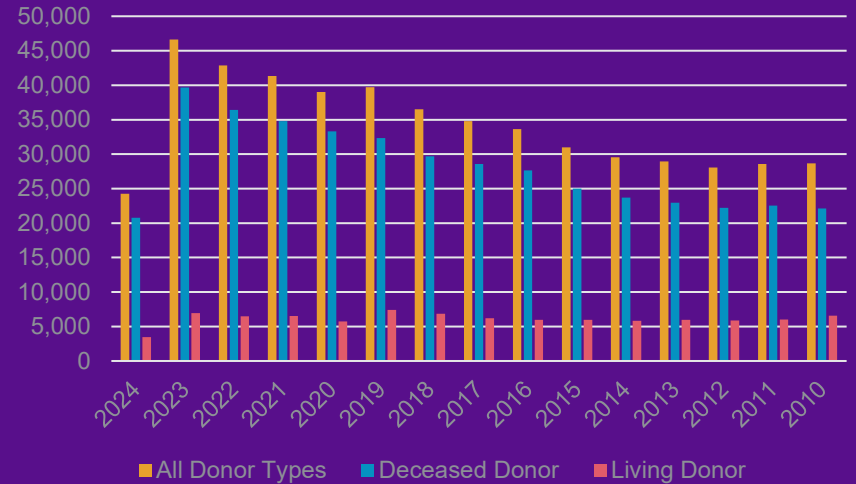


Where Are We Today?

Organ Donor by Type



Organs Donated by Donor Type



Current Status of Organ Donation

Figure INT 2: All candidates on the waiting list for organs other than isolated kidney or liver

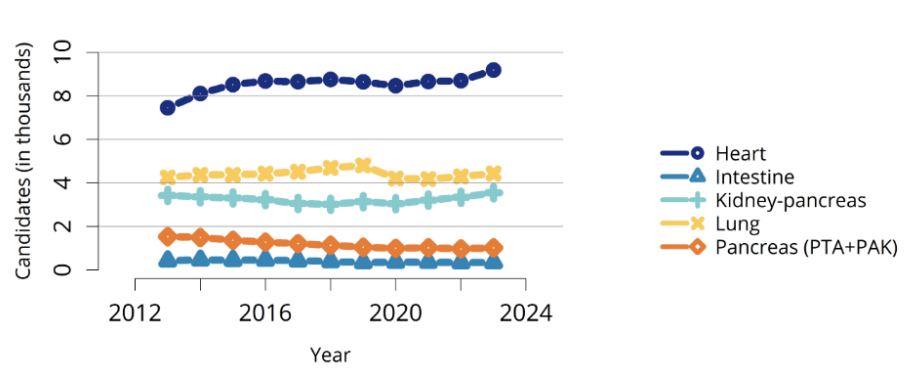
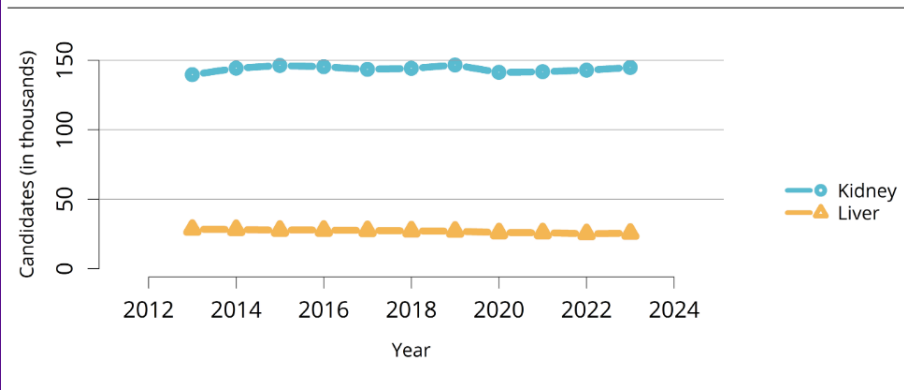
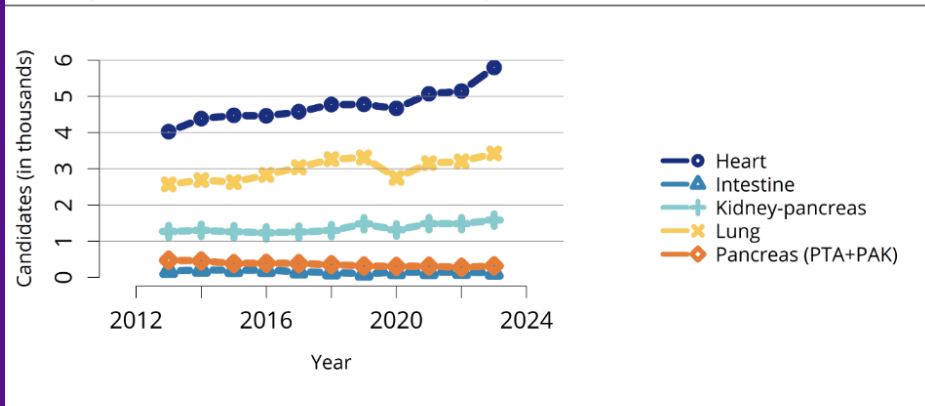


Figure INT 1: All candidates on the kidney or liver waiting list



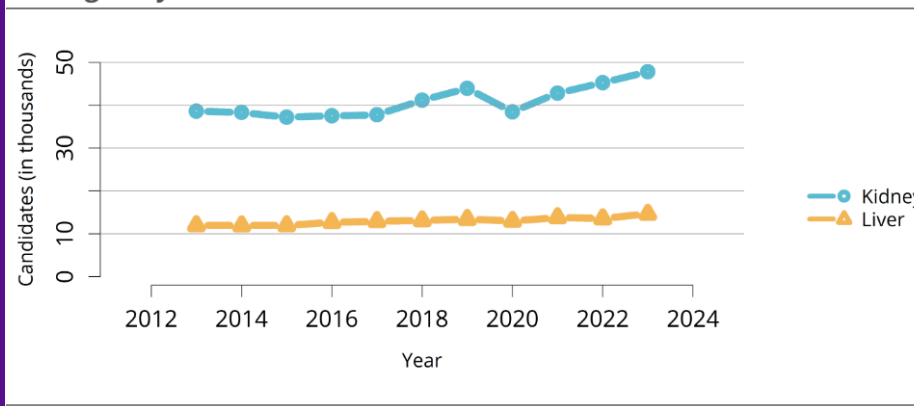
Current Status of Organ Donation

Figure INT 4: New candidates added to the waiting list during the year for organs other than isolated kidney or liver



OPTN/SRTR 2023 Annual Data Report

Figure INT 3: New candidates added to the kidney or liver waiting list during the year



OPTN/SRTR 2023 Annual Data Report

The Reality Check

**Over 100,000
people are on
the waiting list**

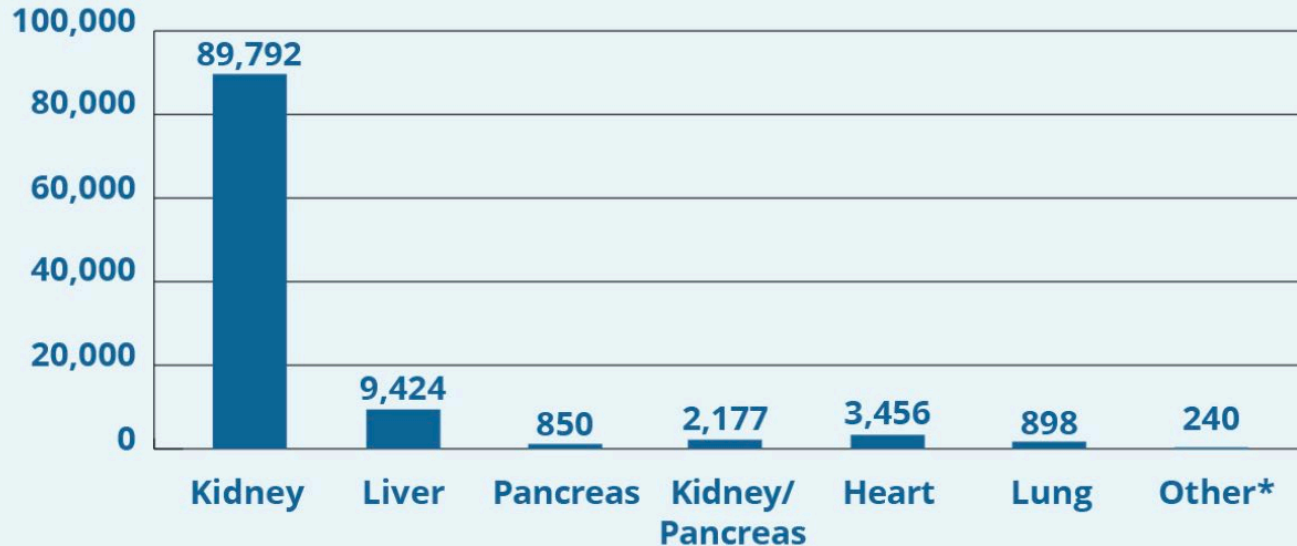
**1/3 of the
people will
receive a
transplant**

**2/3 will
become too
sick or die
waiting**

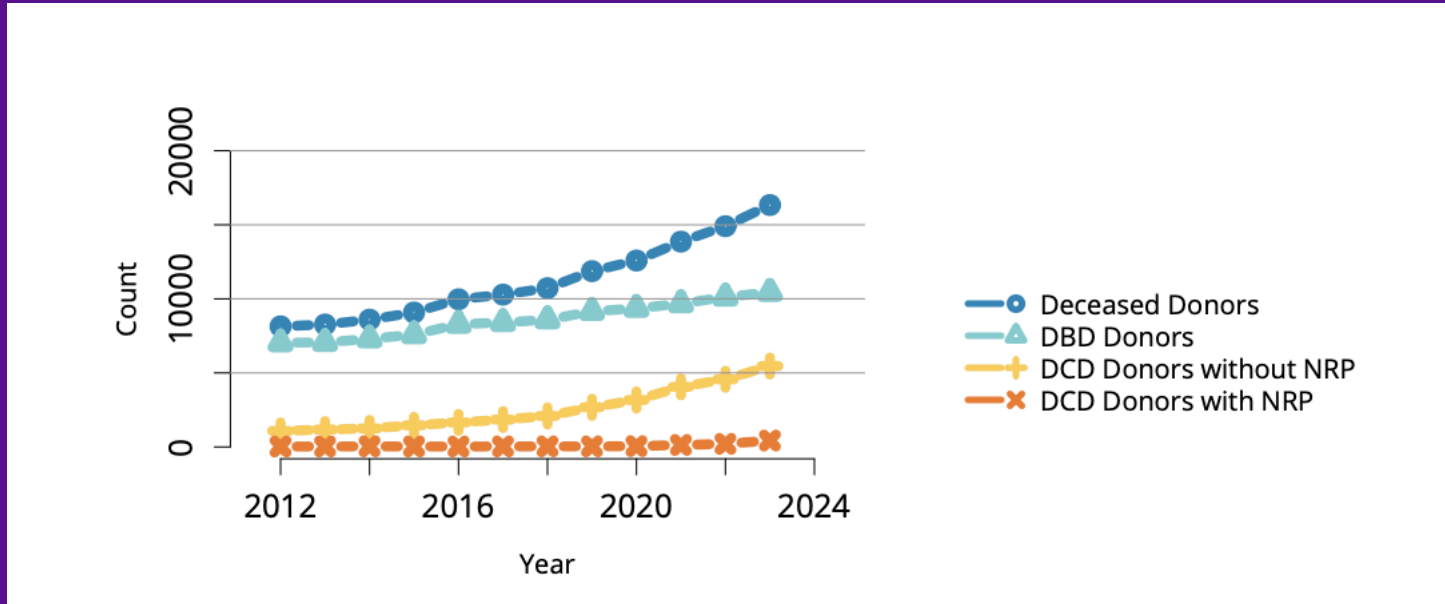
The Reality Check

Patients on the Waiting List by Organ

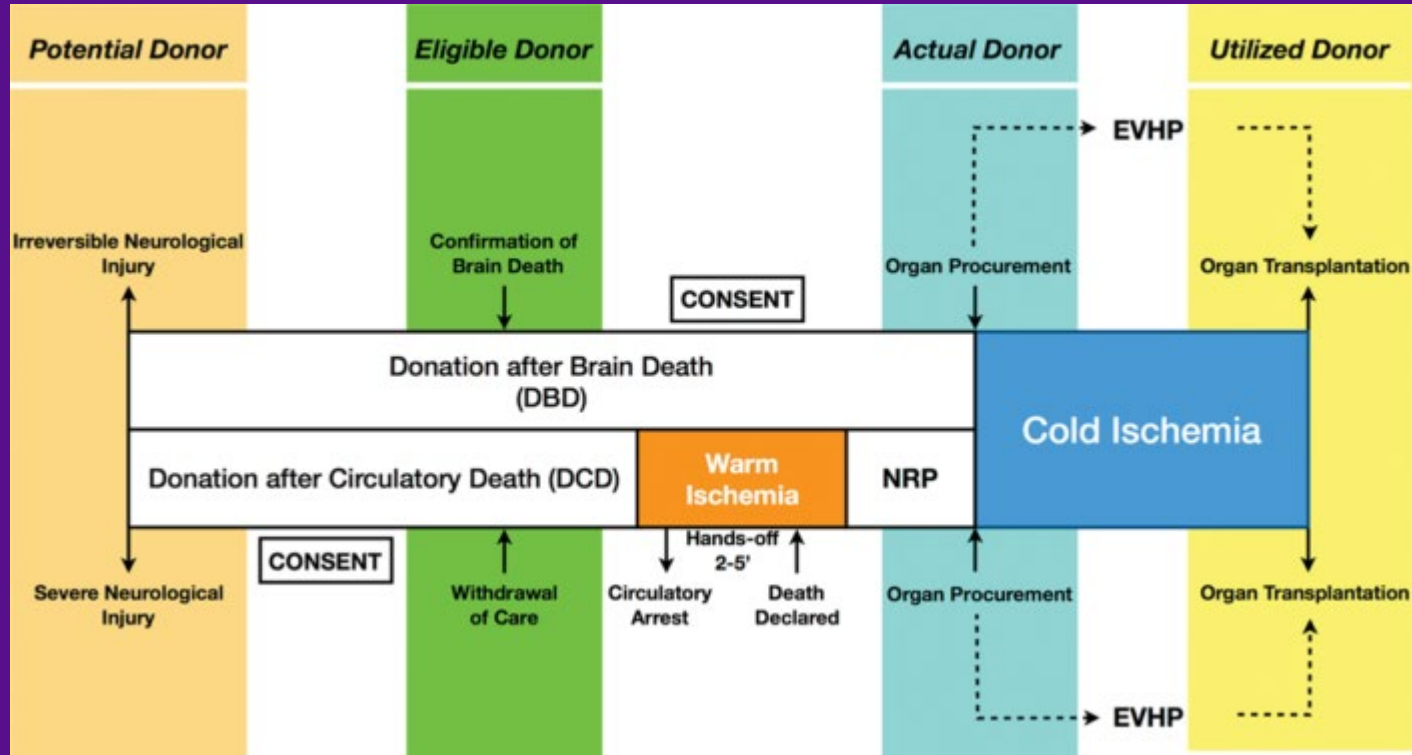
As of September 2024



Different Types of Organ Donation



Different Types of Organ Donation



Organ Donors in the United States

- **As of 2022, 170 million people are donors**
- **Varies significantly by state**
- **National average is 48.9%**
- **Highest is Colorado at 66%**
- **New York just surpassed 50% in 2024**

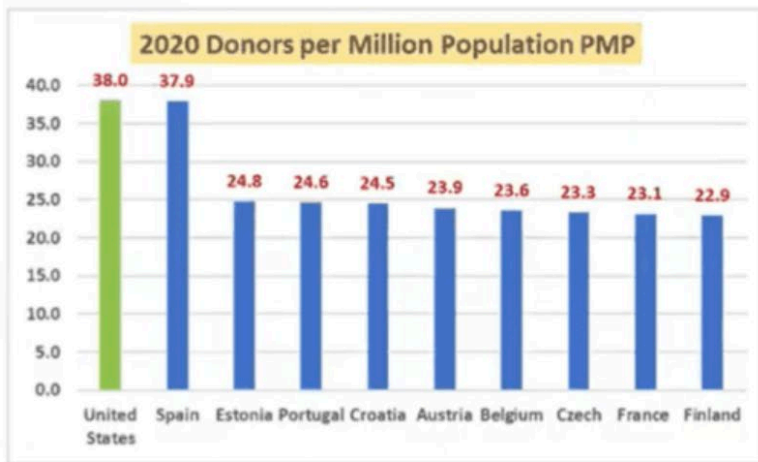
Opt-in Versus Opt-out

- Spain, UK, Austria and France all have Opt-out systems of organ donation
- Based on the idea that donor organs are a public good
- Still involves a NOK conversation about organ donation
- Is this better?

Opt-in Versus Opt-out

Opt-In Green Bars

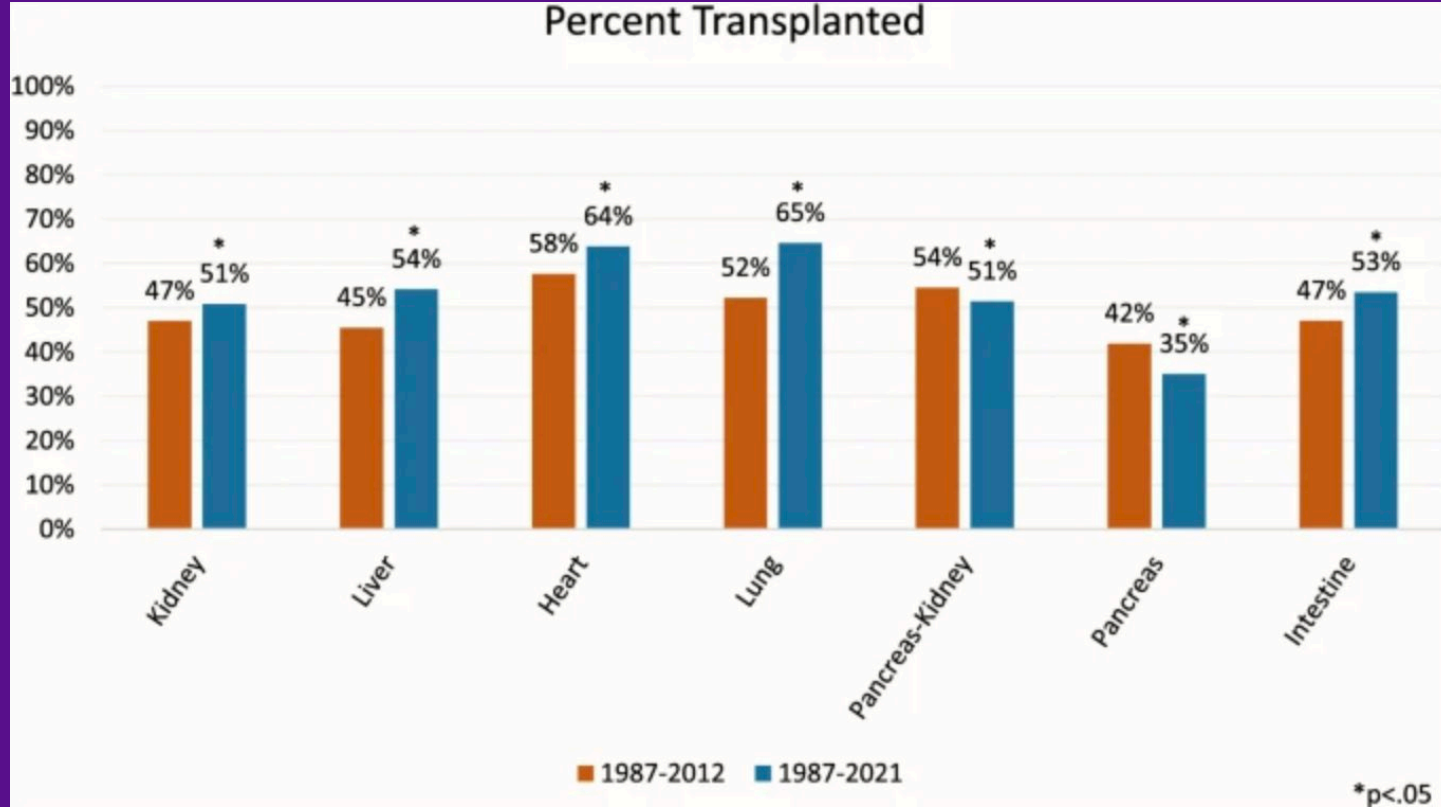
Opt-Out Blue Bars



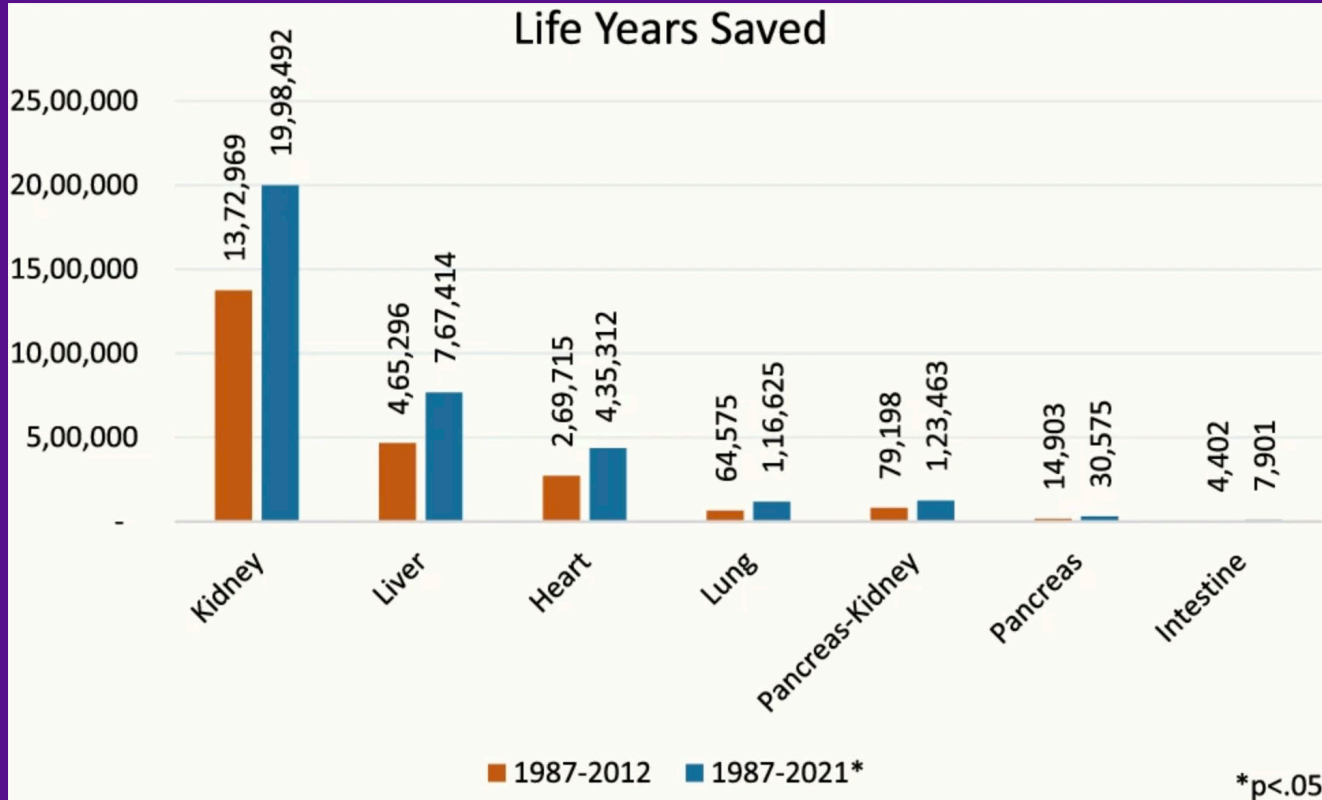
Conditions for Organ Donation

- Less than 1% of deaths suitable for organ donation
- Different organs are ruled out for different reasons: age, infection, cancer and function
- The timing of declaration of death to donation was previously an issue for concern, but becoming less so

The Gift of Life



The Gift of Life

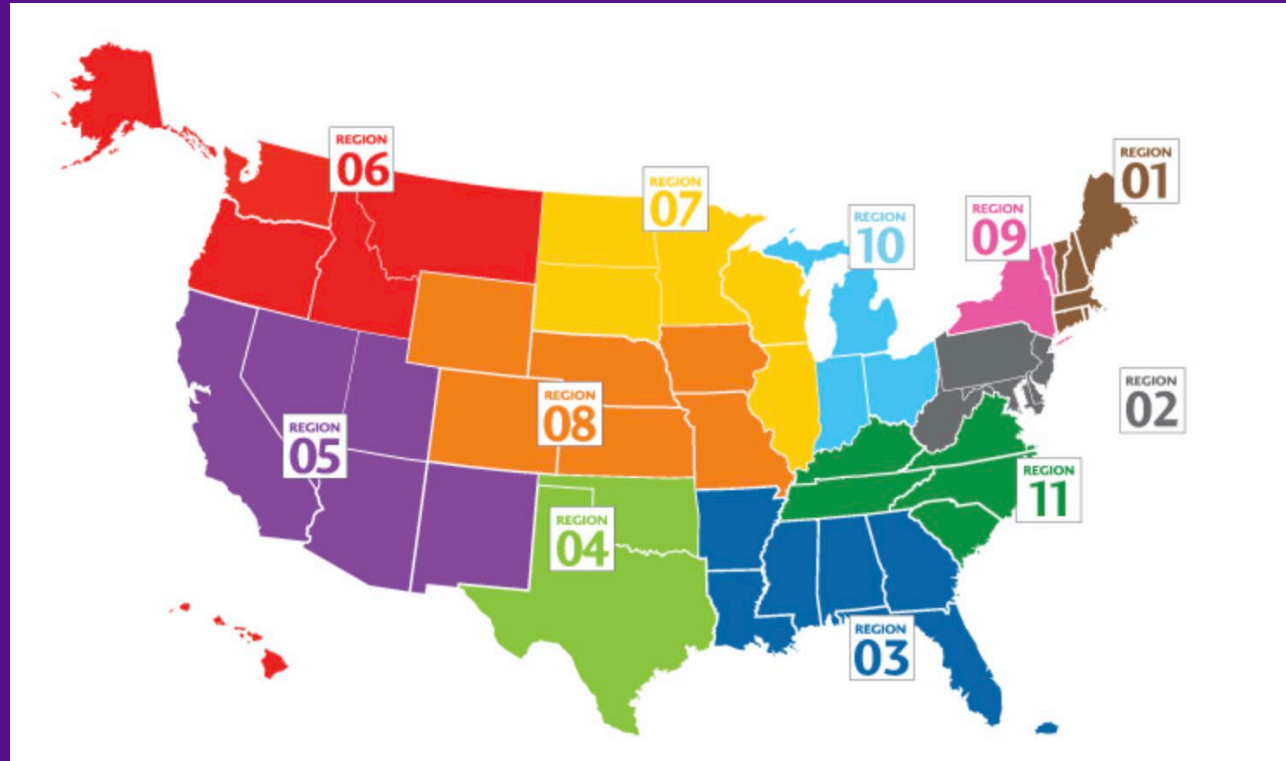


The Gift of Life

Organs	Survival Years After Transplant	Survival Years on Waitlist
Heart	11.73	2.22
Lung	5.58	1.73
Liver	14.59	2.35
Kidney	14.76	5.99
Pancreas	16.10	3.25
Intestines	8.93	3.25

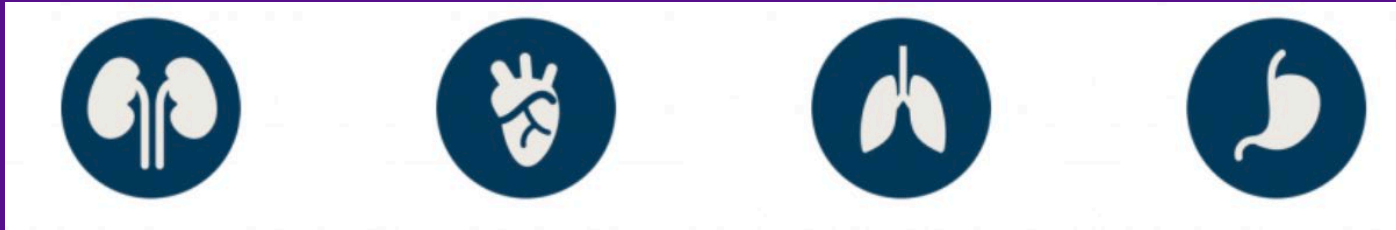
Organ Allocation

- The United States is divided into 11 regions based on geography
- There are 56 Organ Procurement Organizations (OPOs) that operate within the regions
- Responsible to identify donors, share information, maximize donation



Factors Affecting Getting an Organ

- Blood Type Match
- How sick is the patient?
 - Many factors play into this
 - Can't be too sick
- Size of the donor and recipient
- Geographical location of donor and recipient



Living Organ Donation

- Kidneys, liver, lung, pancreas and intestines
- Skin, bone, bone marrow, blood products
- Depending on the donation, there will be different requirements for screening and recovery etc



Living Kidney Donation

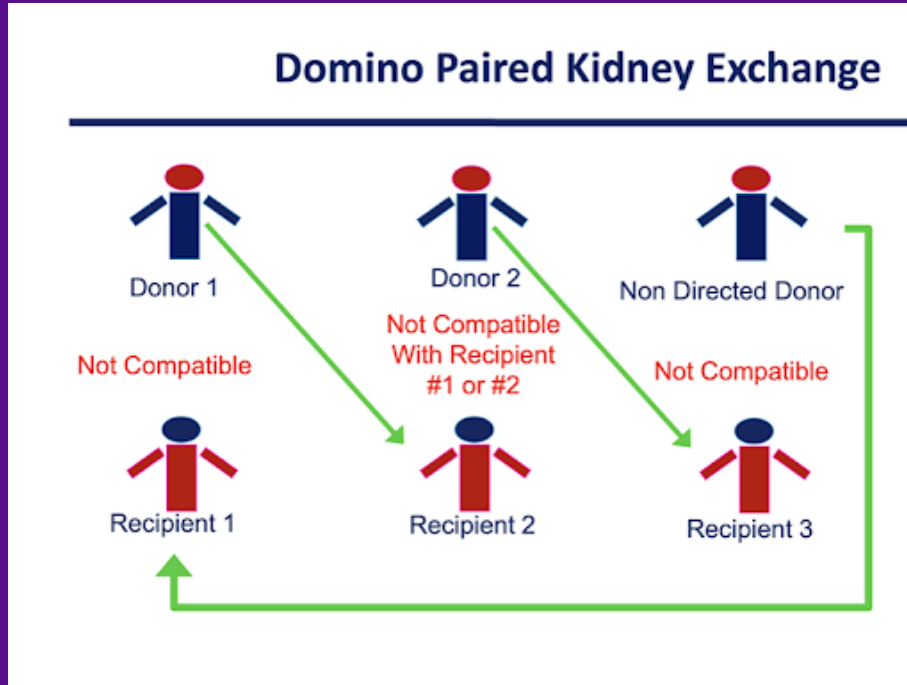
- **Most common organ for living donation**
- **Process:**
 - **Contact a Transplant Center**
 - **Go through evaluation**
 - **Matching process**
 - **Surgery**
 - **Recovery**

Living Kidney Donation

- Cost of workup, surgery and follow-up covered by recipient insurance
- Different employers will offer different benefits to those who donate:
 - Time off
 - Childcare
 - Transportation



Living Kidney Donation Benefits



Can do directed or indirect donation

Could still benefit a loved one if indirect donation done

If donor needs a transplant in future, goes to top of list

Living donor kidneys last longer and do better

How to Promote as an Employer

- National Kidney Foundation as a resource
- Contact the Living Donor Circle of Excellence
 - 100s of Corporations who have created HR policies to help promote living donation
 - Goal is to protect those who are willing to give the gift
- Blood drives and registry drives for bone marrow

Grab Bag Topics About Donation

- YOU WILL ALWAYS GET TREATMENT REGARDLESS OF DONOR STATUS
- No matter what what organs are donated, open casket funerals can be done
- Your family will NEVER incur costs around organ donation
- You can sign up to be an organ donor at anytime

Q&A





Thank you

Transplant Institute



Questions

Upcoming NEBGH events:

- **February 26** – The New Frontier for Screening and Early Detection of Cancer
- **March 10** – Mondays with Dr. Mark and Dr. Michael
- **March 19** – Colorectal Cancer Screening and Support: Addressing Challenges for Young Patients
- **March 27** – Women's Health Conference
- **April 2** – Future Impact of GLP-1s: Employer Educational Dinner
- **June 5** – 14th Annual Health & Wellness Benefits Conference

