





Knowing is Half the Battle: Using SRTR Data to Monitor OPO Program Performance

TODAY'S PANELISTS



Jon Snyder, PhD, MS Director, SRTR Director of Transplant Epidemiology,



Hennepin**Healthcare**

Research Institute



Jon Miller, PhD, MPH Biostatistician





Equipping a Modern Profession of Lifesavers in Organ Donation & Transplantation

Thursday, April 11, 2024, 2:00pm - 3:00pm ET

The Alliance is not an advocacy organization and always intends to maintain an objective and unbiased perspective.



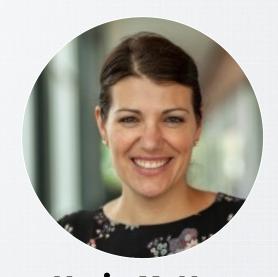
Kristina Wheeler Program Consultant



Need Assistance?

Contact Us via Zoom Chat, or info@organdonationalliance.org 786-866-8730

Meet Our Moderators



Katie McKee
Transplant Administrator





Tom Levanos

Director, Business Intelligence
and Performance Excellence



Meet Our Speakers



Jon Snyder, PhD, MS

Director, SRTR

Director of Transplant Epidemiology,





Jon Miller, PhD, MPH

Biostatistician

Chronic Disease Research Group





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TRANSPLANT
RECIPIENTS

Using SRTR Data to Monitor OPO Program Performance

Jon Snyder, PhD

Director, Scientific Registry of Transplant Recipients Director, Transplant Epidemiology Chronic Disease Research Group Hennepin Healthcare Research Institute

April 11, 2024

Disclosures



The views expressed do not necessarily reflect the official policies of the U.S. Department of Health and Human Services nor does mention of trade names, commercial practices, or organizations imply endorsement by the U.S. Government.

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Presentation Goals

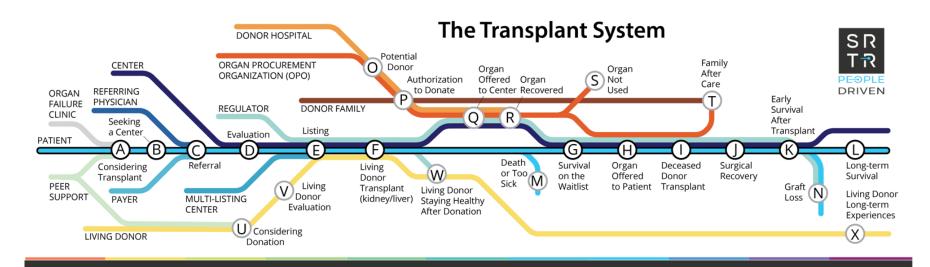
International Performance

National Performance

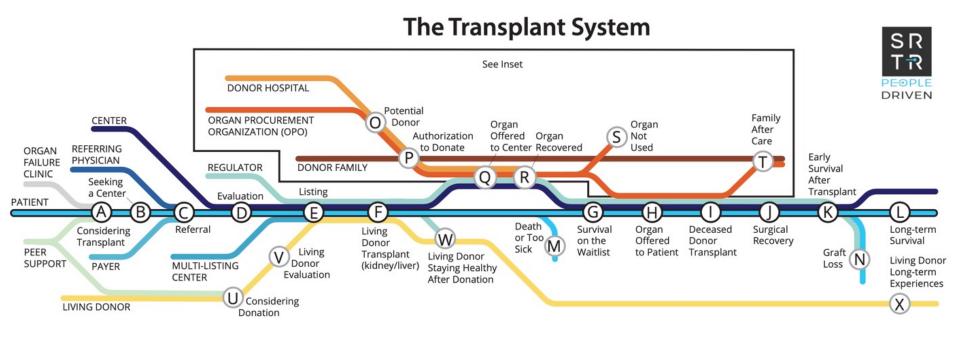
OPO Performance

Helpful Tools

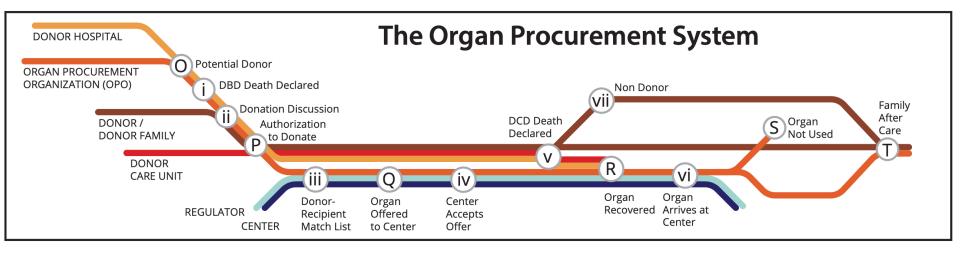
The Transplant System Map



The Transplant System Map



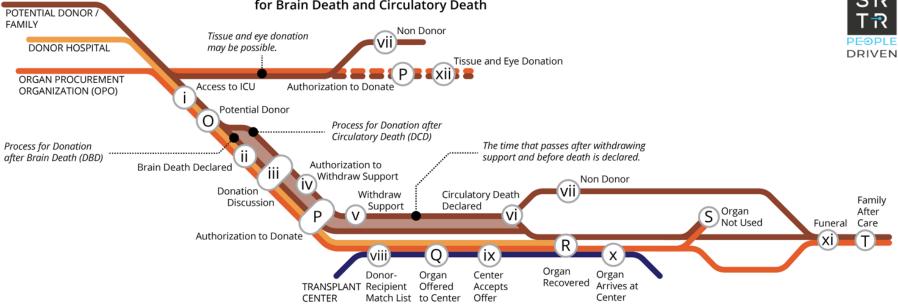
The Organ Procurement System



The Organ Procurement Process

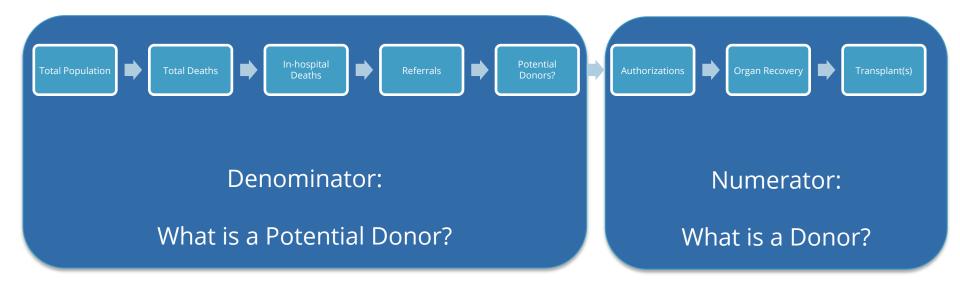
for Brain Death and Circulatory Death





version 3/21/2024

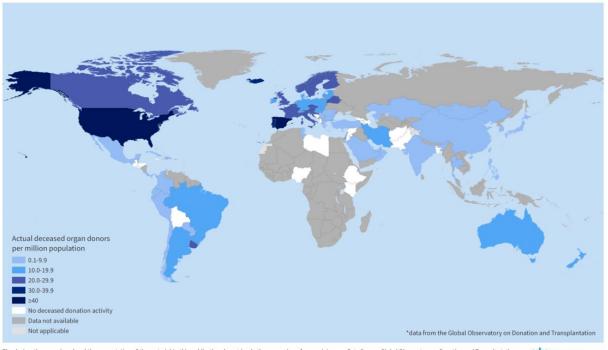
The Process Points Towards Metrics of Importance



How are we doing globally?



Actual donors from deceased persons, 2022*



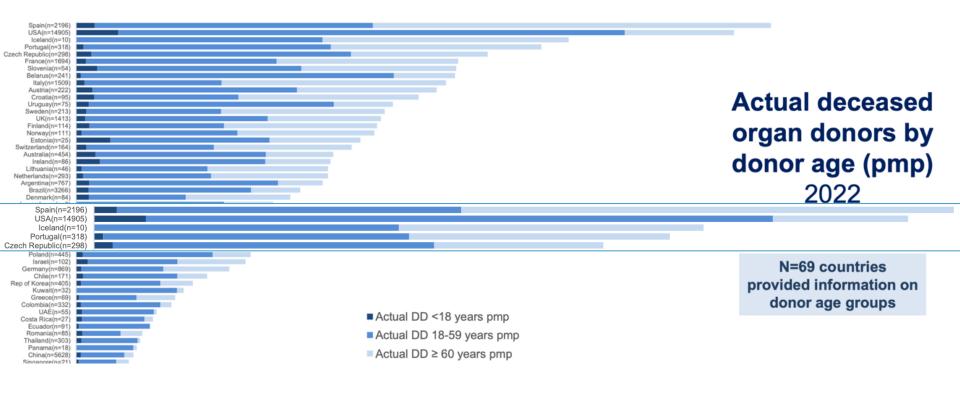
The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of WHO concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

Data Source: Global Observatory on Donation and Transplantation Map Production: WHO GIS Centre for Health, DNA/DDI

Map Creation Date: 04 September 2023







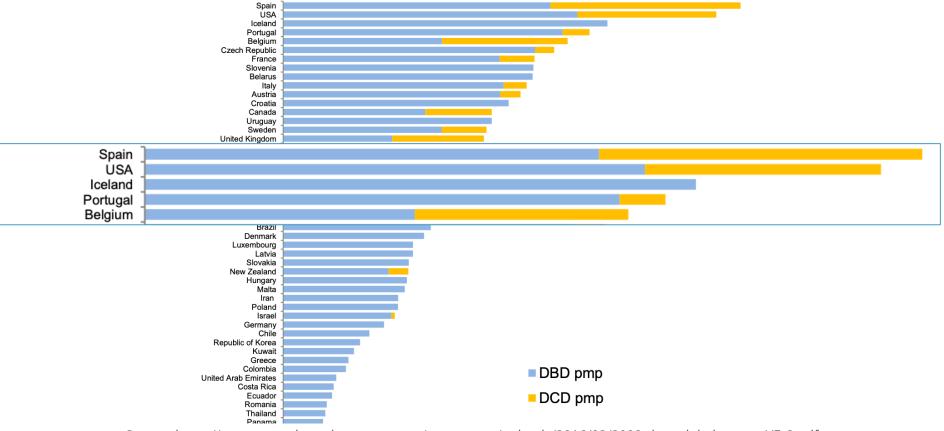


Actual DD 18-59 years pmp

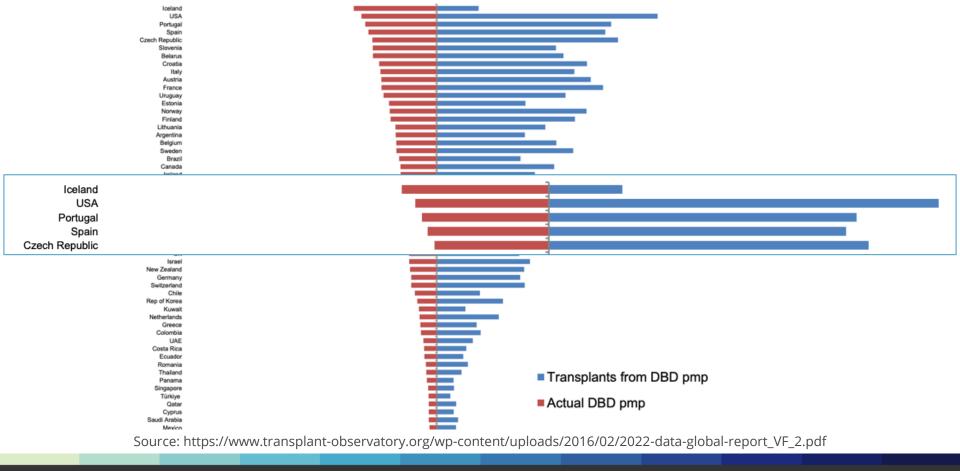
Actual DD ≥ 60 years pmp

■ Actual DD <18 years pmp

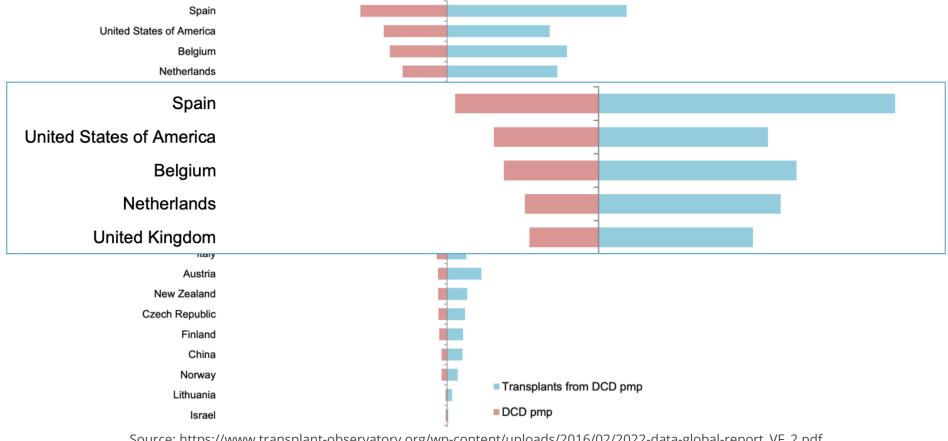






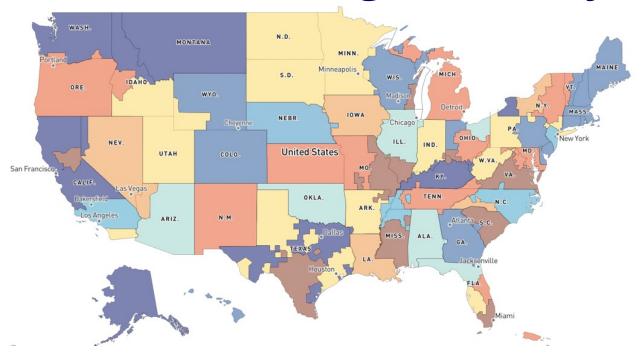








How are we doing nationally?



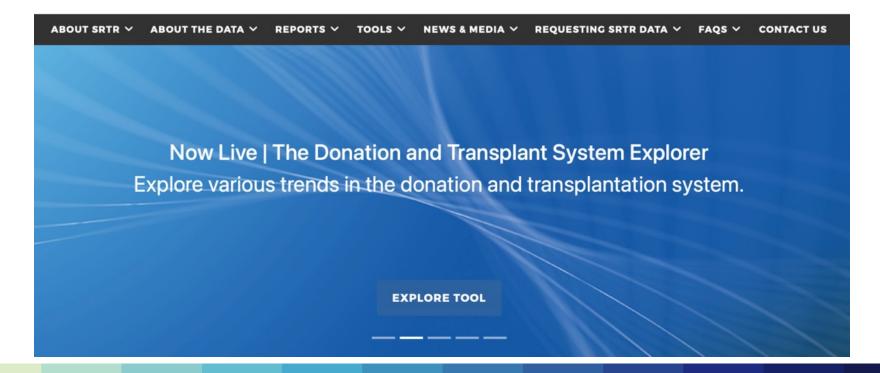


FIND & COMPARE TRANSPLANT PROGRAMS

Select Organ 😊

Search by Postal Code or Program Name (optional)

SEARCH





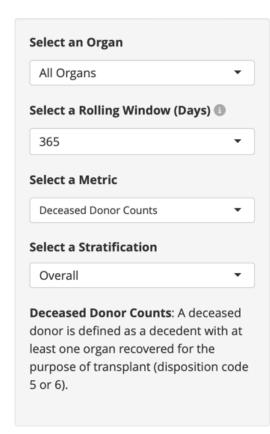
FIND & COMPARE TRANSPLANT PROGRAMS

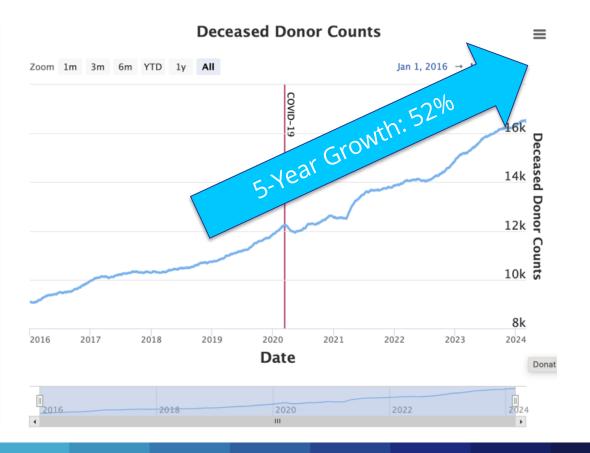
Select Organ 😌

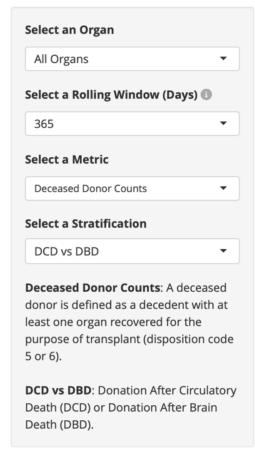
Search by Postal Code or Program Name (optional)

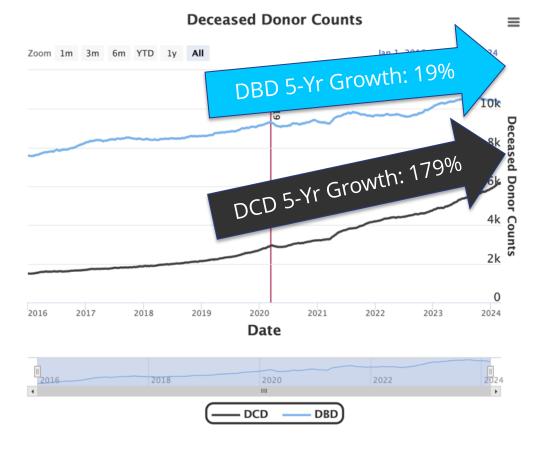
SEARCH

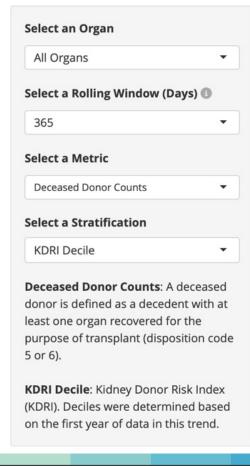


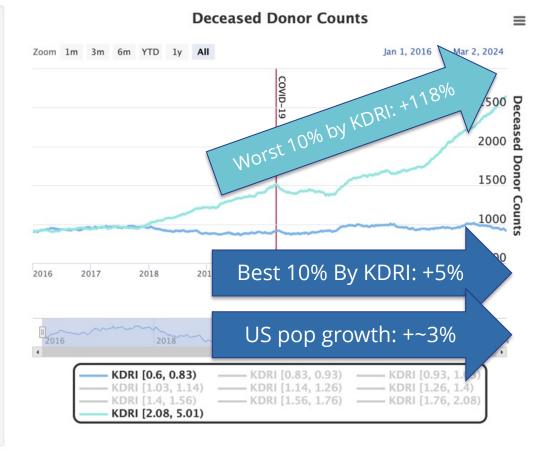


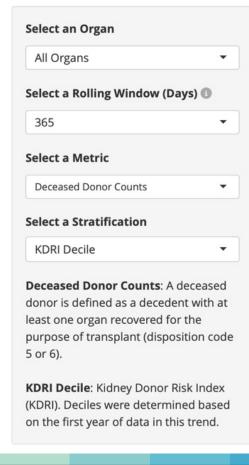


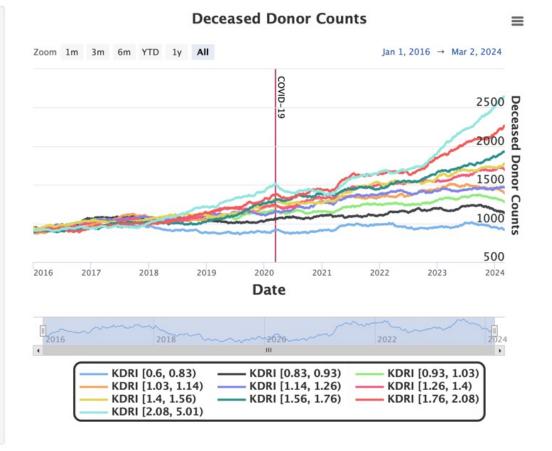


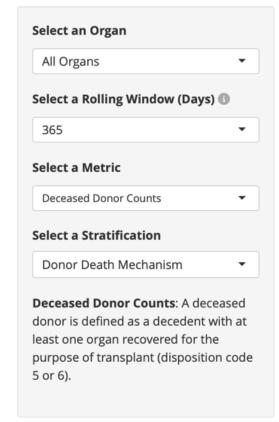


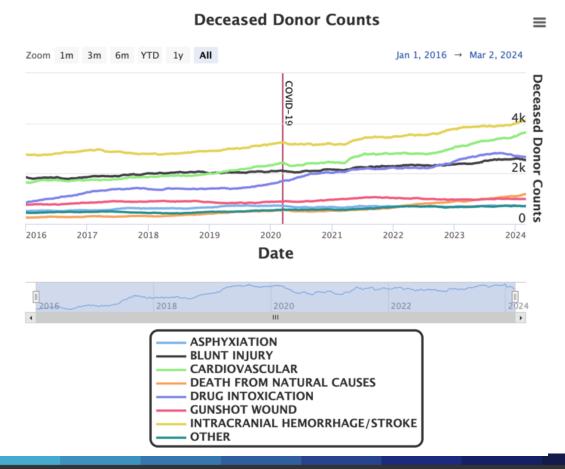


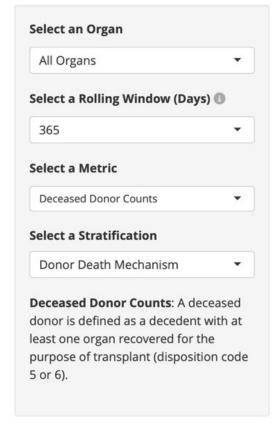


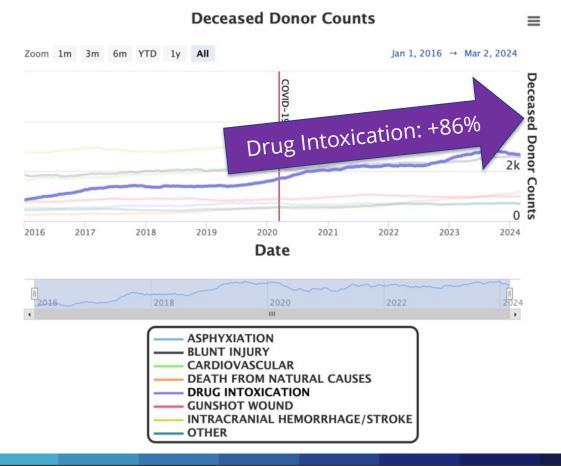


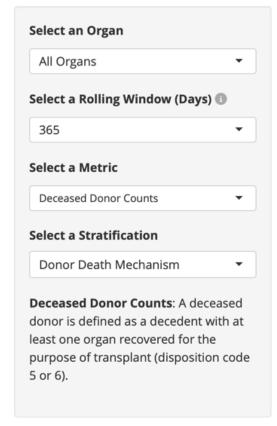


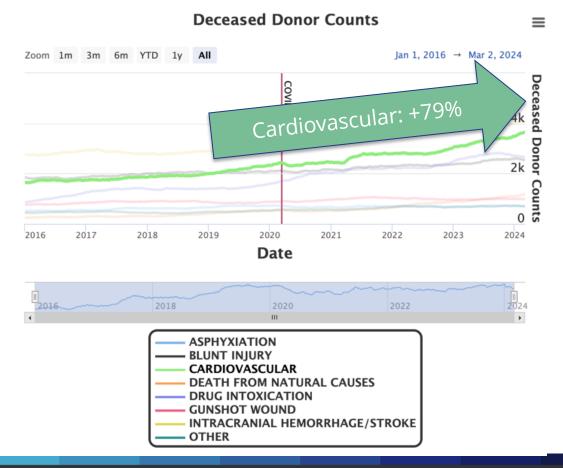


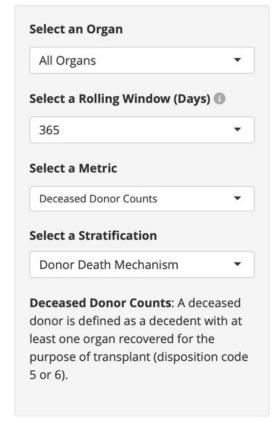


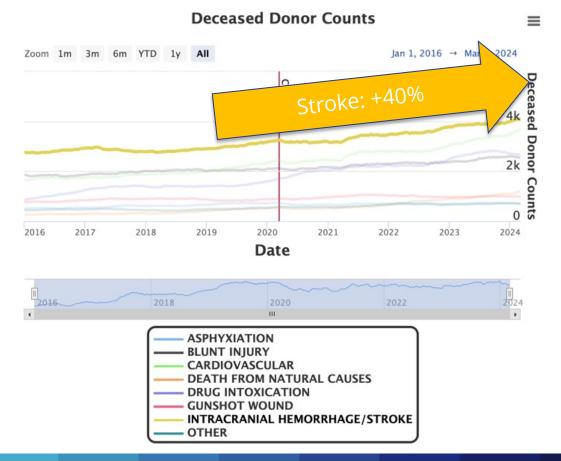


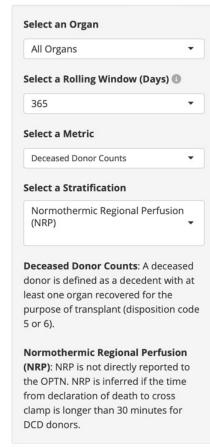


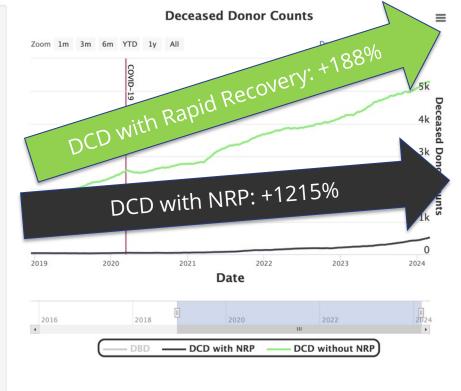


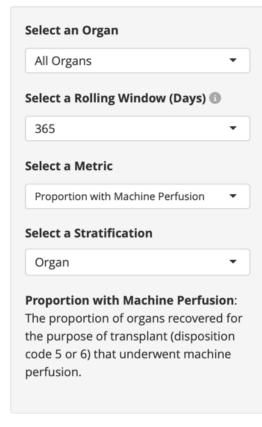


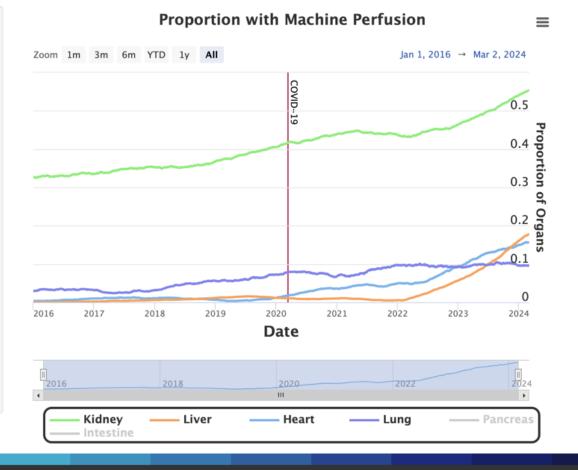


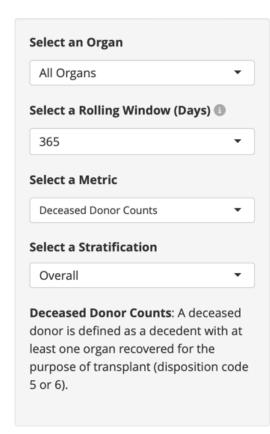


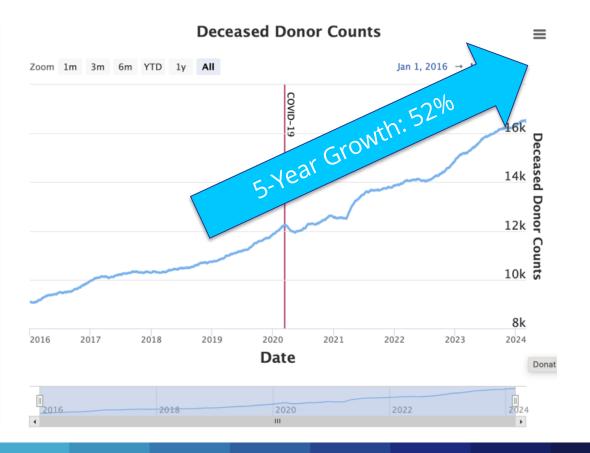


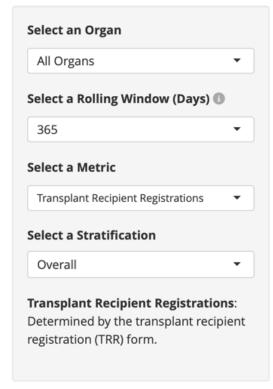


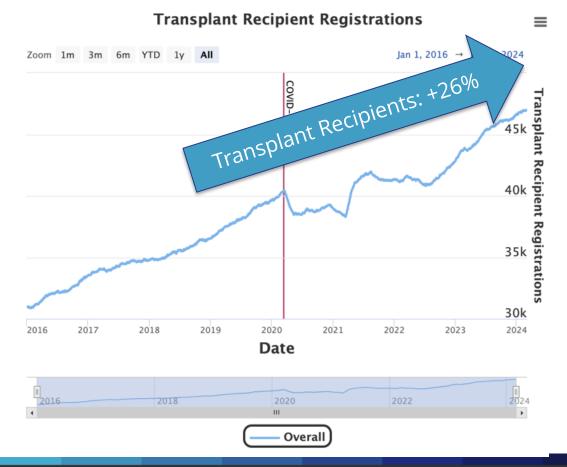


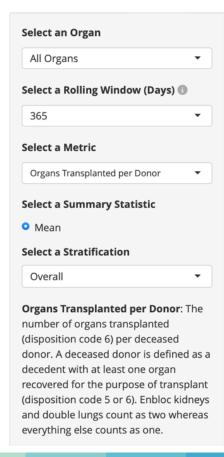


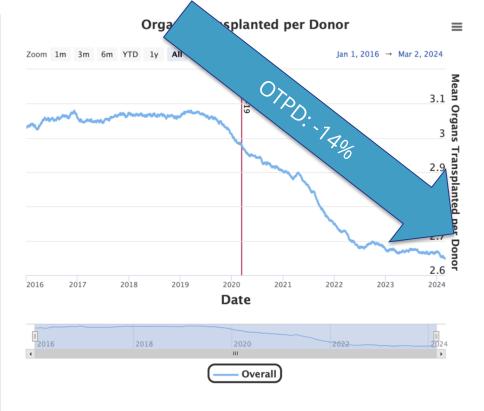


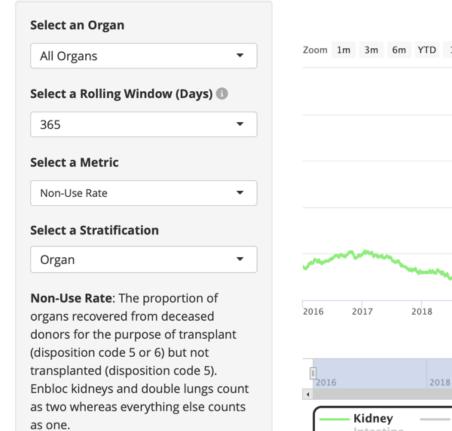




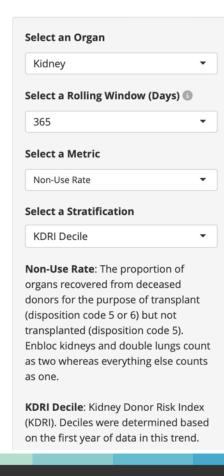


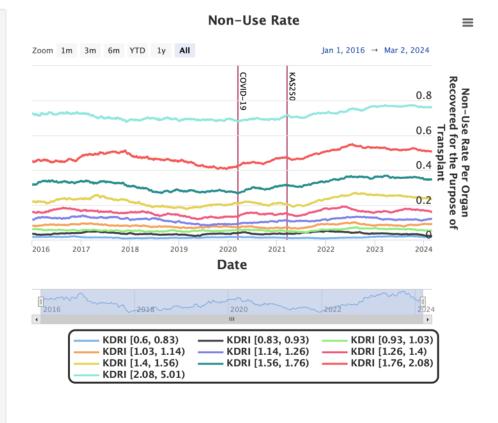


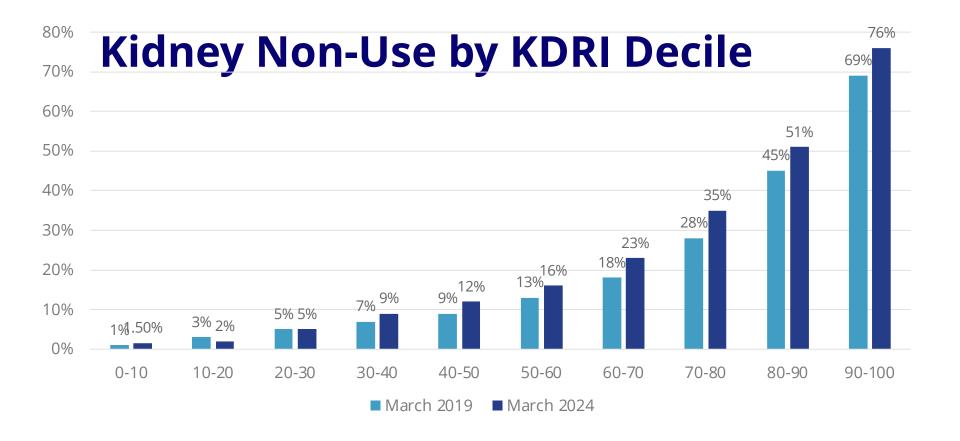












How are we doing at the OPO level?

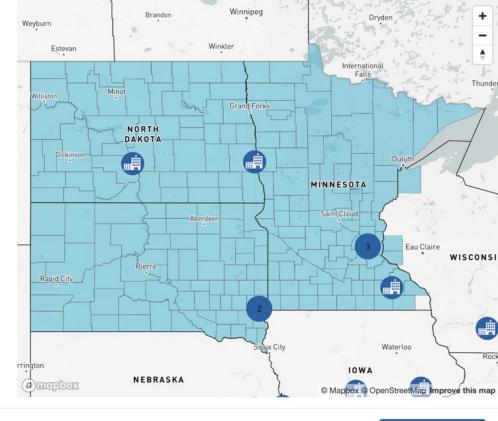
LifeSource Upper Midwest Organ Procurement Organization

This map shows the counties within the OPO's donation service area (DSA) and transplant programs both within and outside of the DSA. Hover over a county for more information, or choose to filter by transplant program type above.

County: --State: --

Number of Counties: 208

VIEW COUNTIES



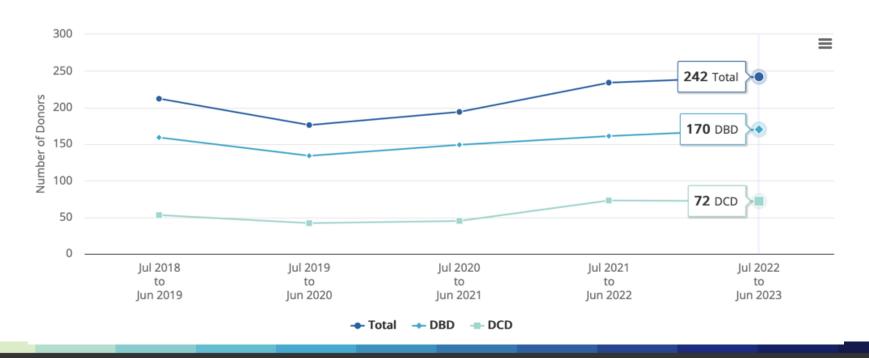
Transplant Programs within the OPO's Donation Service Area

SHOW PROGRAMS

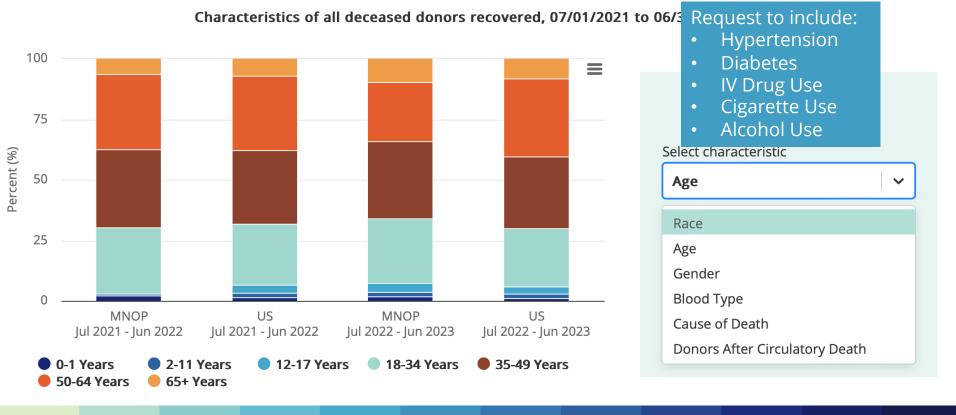


Total Donors & Organs Transplanted

Total Donors Transplanted

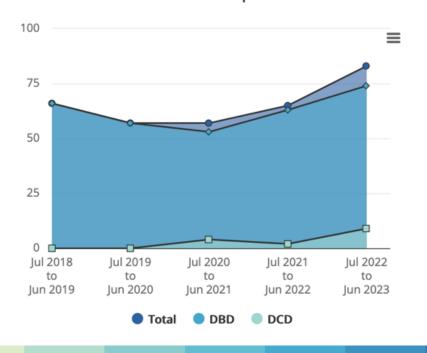


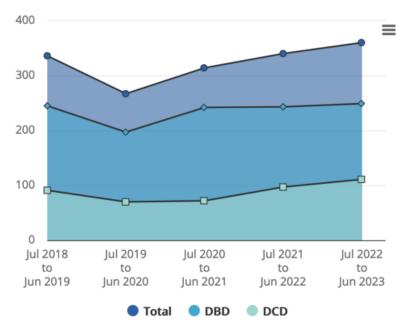
Description Of Donors Recovered



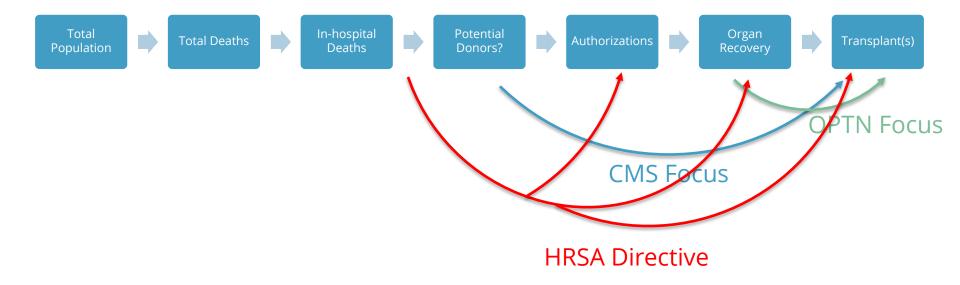


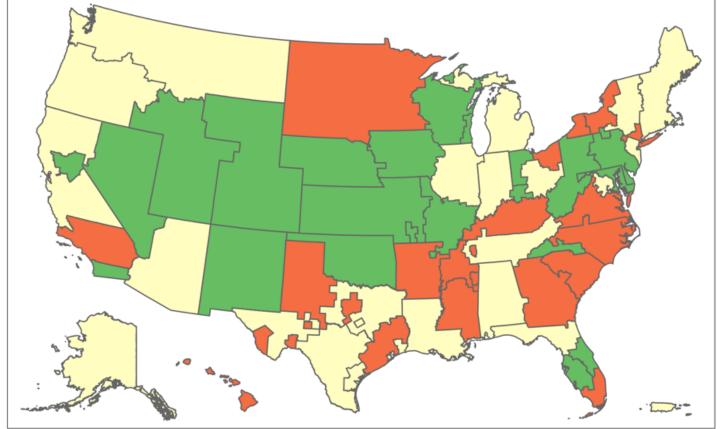


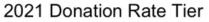


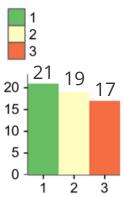


The Process Points Towards Metrics of Importance

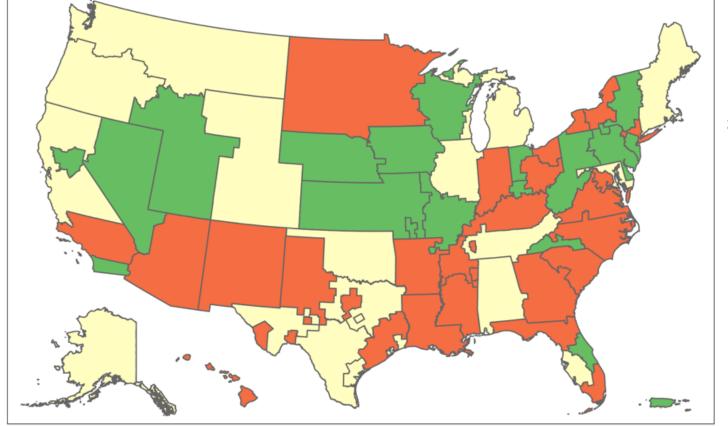




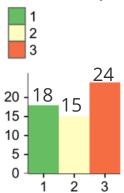




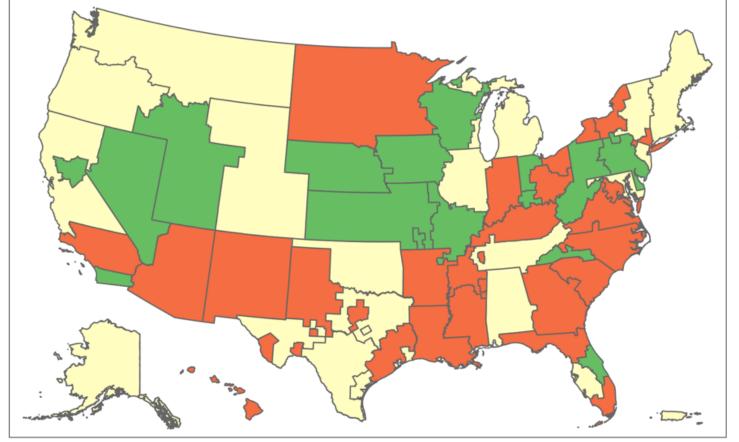
CMS 2021 Donation Rate Tier Assignments

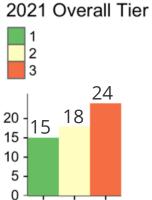






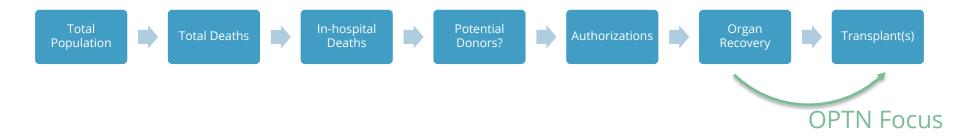
CMS 2021 Transplant Rate Tier Assignments





CMS 2021 Overall Tier Assignments

The Process Points Towards Metrics of Importance



Organ Specific Yield Rates

Observed and Expected Organ Yield per 100 Donors - 7/1/2021 to 6/30/2023

HEART



Expected: 31

Observed: 31.1

O/E = 1

LUNG



Observed: 19.7

Expected: 17.8

KIDNEY



O/E = 0.96

PANCREAS



O/E = 1.41

Observed: 147.1

Expected: **153.2**

Observed: 8.6

Expected: 6.1

LIVER



O/E = 1.04

INTESTINE



O/E = 0.65

Observed: 64.9

Expected: 62.7

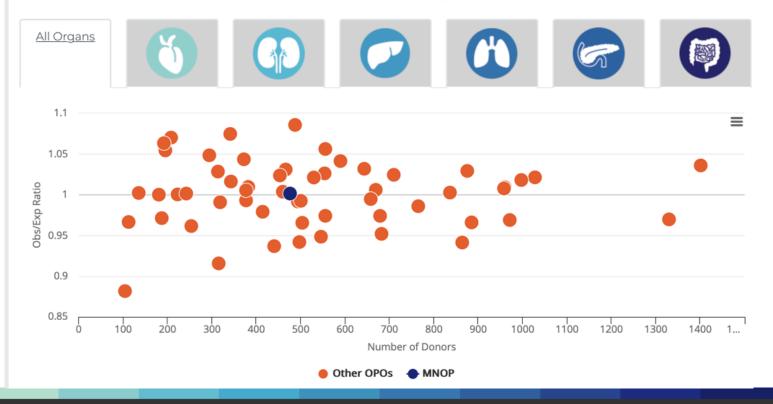
Observed: 0.4



Expected: **0.6**

Observed/Expected Yield by Organ

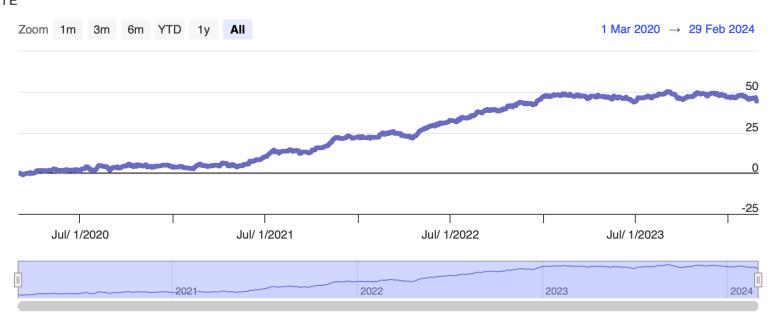
7/1/2021 to 6/30/2023





Yield CUSUM Charts

(Blinded OPO)





Yield CUSUM Charts: Signal

(Blinded OPO)





Yield Calculator & Offer Acceptance Report

OPO Tools

OPO Offer Acceptance Report

.HTML posted Dec 15, 2023

Download

Fall 2023 OPO Organ Yield Calculator version 1.13 (application)

.ZIP posted Dec 15, 2023

Version 1.13:

The OPO Yield Calculator algorithm has been updated for Fall 2023

Download

- Released in June and December each year; Announcements are made.
- No plan to include pancreata for research in the tool.

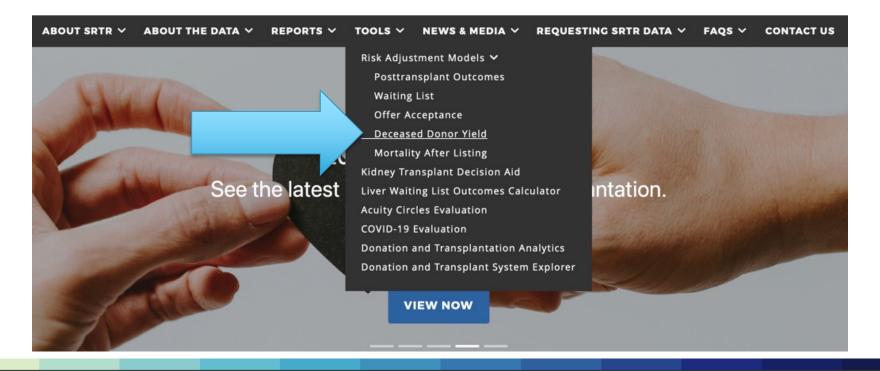


FIND & COMPARE TRANSPLANT PROGRAMS

Select Organ 📀

Search by Postal Code or Program Name (optional)

SEARCH



Age Effect for DCD Donors with Downtime >40 Min (Years)

Age Effect for Brain Dead Donors (Years)

Blood Type

Cause of Death

Body Mass Index (BMI)

Circumstance of Death

Clinical Infection: Blood

Clinical Infection: Lung

Clinical Infection: Other

Clinical Infection: Urine

Controlled DCD Donor

Body Mass Index (Missing)

Cardiac Arrest After Brain Death

Age Effect for DCD Donors with Downtime 0-20 Min (Years)	Current Other D
Age Effect for DCD Donors with Downtime 21-30 Min (Years)	DCD
Age Effect for DCD Donors with Downtime 31-40 Min (Years)	Ejection Fraction

n (Missing) Gender

Current Cigarette Use

Current Cocaine Use

Current Other Drug Use

Lowest glomerular sclerosis (%) Ejection Fraction (Percent) HCV+

Mechanism of Death More than 20 Pack Years Heavy Alcohol Use

Organ Recovered Outside The Contiguous 48 States? PHS Increased Infectious Risk Height (CM) PO2 (Missing)

Height (Missing) pO2 (Number)

Highest glomerular sclerosis (%)

pO2/fiO2 (Missing)

History of Any Diabetes pO2/fiO2 (Ratio) History of Cancer Previous MI

History of Cocaine Use History of Diabetes

History of Hypertension History of Insulin Dependence

Protein in Urine

SCIENTIFIC REGISTRY OF

TRANSPLANT RECIPIENTS

History of Other Drug Use

Kidney Donor Risk Index (KDRI)

Kidney Donor Risk Index (Missing)

HIV

Intercept

Race: Asian

Race: White

Weight (KG)

Weight (Missing)

Race: American Indian or Alaska Native

Race: Native Hawaiian or Other Pacific Islander

Race: Black or African American

Terminal Serum Creatinine (mg/dL)

Terminal Serum Creatinine (Missing)

Race: Hispanic/Latino



Program Acceptance Data

OPO Tools

OPO Offer Acceptance Report

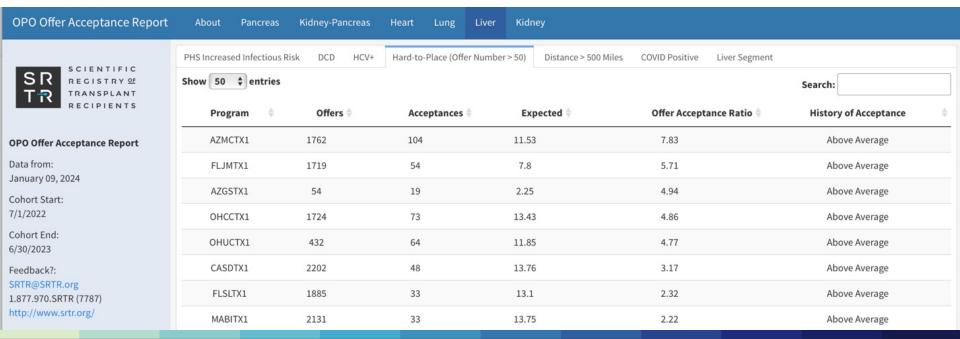
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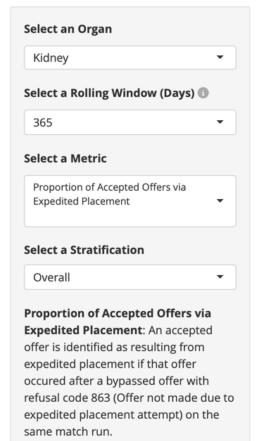
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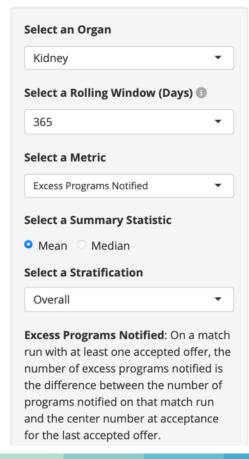
Program Acceptance Data

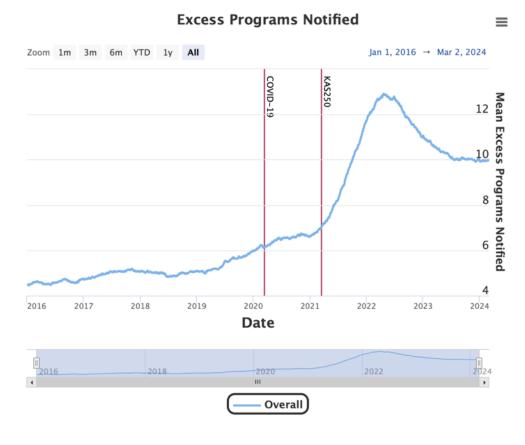
SECURE SITE

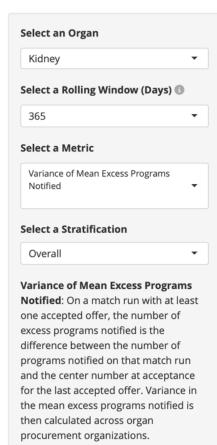


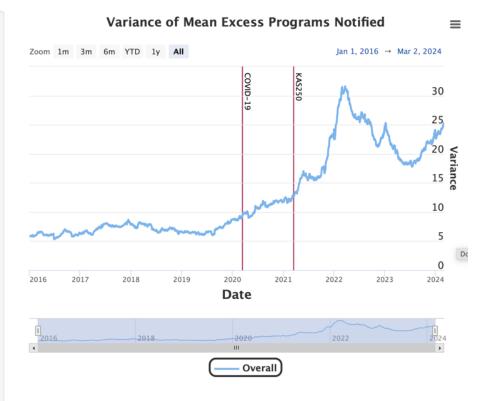




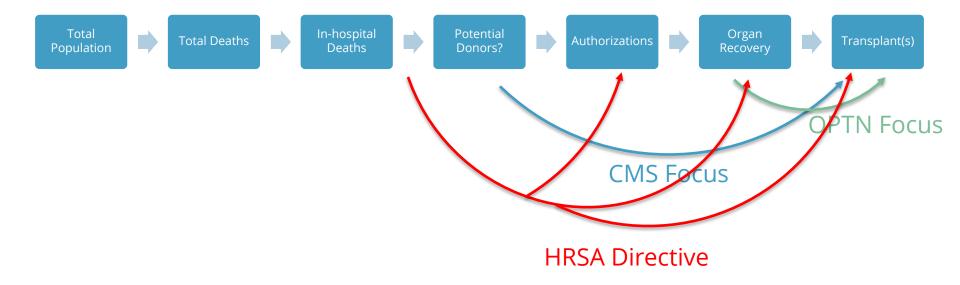








The Process Points Towards Metrics of Importance





5600 Fishers Lane Rockville, MD 20857



February 5, 2024

Maureen McBride PhD OPTN Executive Director United Network for Organ Sharing 700 North 4th Street Richmond, VA 23219

Dianne Rudow-LaPointe PhD, RN OPTN President United Network for Organ Sharing 700 North 4th Street Richmond, VA 23219

https://optn.transplant.hrsa.gov/media/432jifpp/fy2024-optn-data-direction-notification-letter-2524.pdf

Directive on Ventilated Patient Referrals

The purpose of the Ventilated Patient Form is to collect demographic information and process data on ever-ventilated patients with a Cardiac Time of Death (CTOD).

The form collects data only for patients that were ventilated in their terminal hospital admission and who have a Cardiac Time of Death (CTOD). This must be collected for any ever-ventilated patient referred to the OPO *OR* ever-ventilated patient whose record was discovered upon OPO death record review.

https://optn.transplant.hrsa.gov/media/45tmbjpl/2024-02-5_ventilated-patient-form.xlsx



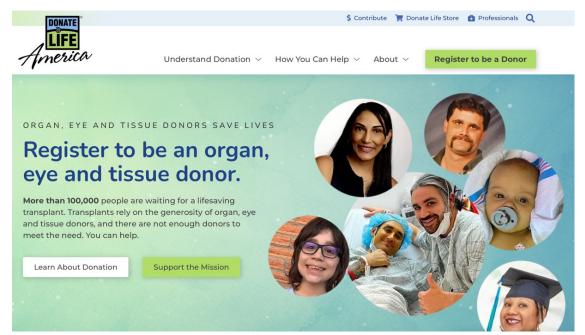
National Donate Life Registry

Register to be an organ, eye and tissue donor.

Already registered? Access your registration

Your Email	Email Address
First Name	First Name
Middle Name	Optional
Last Name	Last Name
Suffix	Optional
Date of Birth	04/11/2024
Sex	•
Address	Address
Address	Optional

I remind myself: It all begins with a gift. www.RegisterMe.org!





SCIENTIFIC
REGISTRY OF
TRANSPLANT
RECIPIENTS

Feedback/Questions: Jon.Snyder@cdrg.org

Jon Snyder, PhD

Director, Scientific Registry of Transplant Recipients Director, Transplant Epidemiology Chronic Disease Research Group Hennepin Healthcare Research Institute

April 11, 2024

A Special Thanks to our Speakers

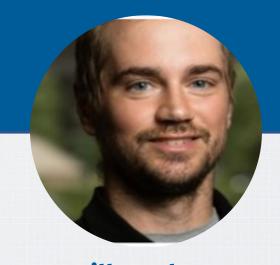


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Allance Conversation Series