# Living Donor Kidney Transplantation A Failed American Enterprise



#### **US Kidney Transplant Facts and Insights**

Facts	Insights					
93,000 Americans are on the wait list for a kidney transplant.	The wait list is growing faster than transplants are available.					
The average wait for a kidney transplant is 3-5 years.	• 12-17 persons die every day waiting for a donor kidney.					
Donor kidneys can come from deceased or living donors but <b>living donor organs are far better</b> for a recipient.	<ul> <li>Living kidney donation is safe.</li> <li>A living donor kidney lasts twice as long as a kidney from a deceased donor.</li> <li>A Living donor kidney is not at risk of discard compared to a deceased donor kidney.</li> </ul>					
A kidney transplant <b>saves at least \$136,000*</b> per transplant over 10 years with transplant being the best treatment for end stage renal failure,	<ul> <li>Doubling the living donor rate saves at least \$816 million.</li> </ul>					

Unfortunately, living donation today is a <u>flawed US cottage industry</u>.

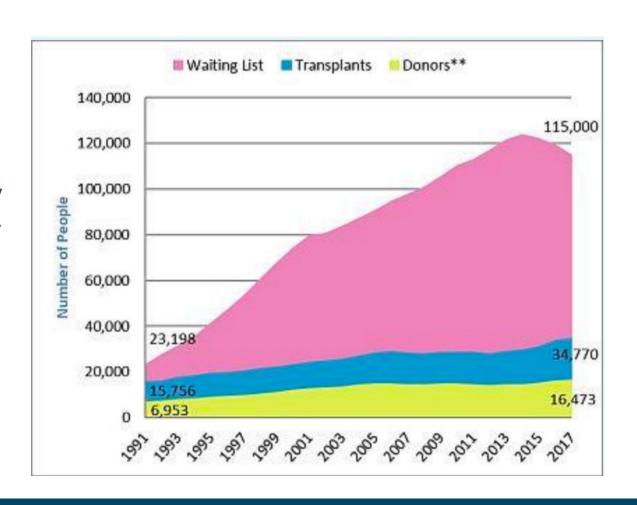
Twenty years of education and local programs <u>have not increased</u> the living donor transplant rate.



## A Broken Living Kidney Donor System

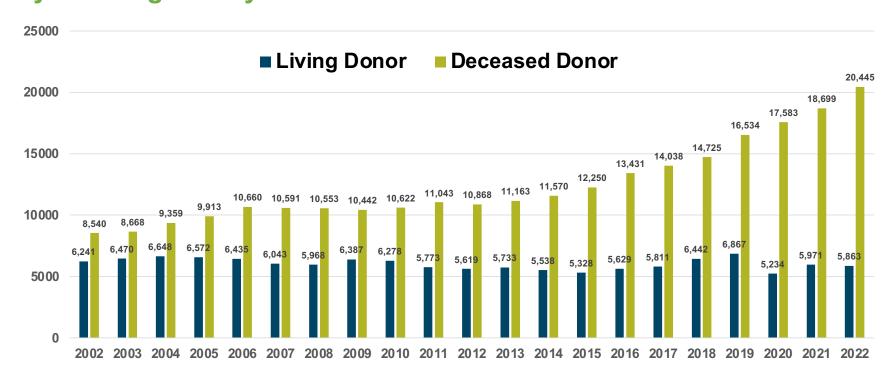


The number #1
unmet need in kidney
transplantation today
is the lack of
available kidneys to
be transplanted.





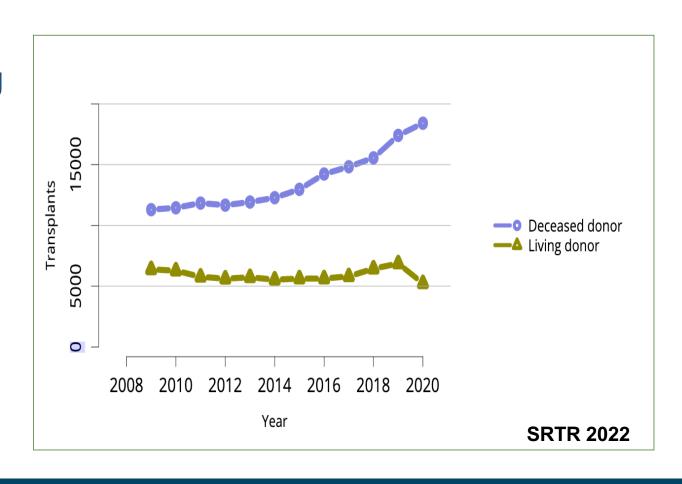
## **US Living & Deceased Kidney Transplant Comparison (2002-2022) Why is Living Kidney Donation so Low?**





## Deceased & Living Donor Kidney Transplants in the US: 2009 – 2020

Another Example of the Failure of Living Kidney Donation in the US





## **US Kidney Transplants in 2022 Compared with Ten Prior Calendar Years**

Year	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
All	16,487	16,896	17,108	17,878	19,060	19,849	21,167	23,401	22,817	24,670	26,308
Deceased Donor	10,868	11,163	11,570	12,250	13,431	14,038	14,725	16,534	17,483	18,699	20,445
Living Donor	5,619	5,733	5,538	5,628	5,629	5,811	6,443	6,867	5,234	5,971	5,863

All transplants: +9,821 (+59.6%)

Over the Past Decade: Deceased donor transplants: +9,587 (+88.2%)

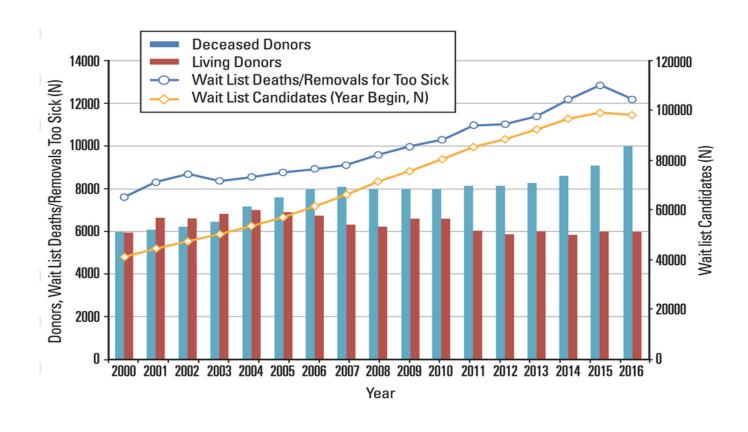
Living donor transplants: +244 (+4.3%)

The twenty-year trend is not any better for living donations



# While the Kidney Transplant Waitlist and Deaths Grow

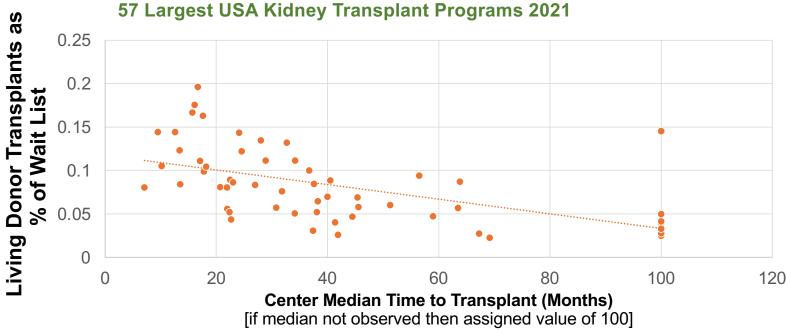
The Number of Living Donors Decrease





## The Fewer Living Donation Transplants, the Longer the Wait Time

### Relationship Between Waiting Time & Living Donor Kidney Transplantation





### National Living Donor Assistance Program



#### **National Living Donor Assistance Center**



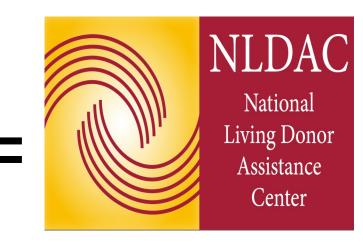






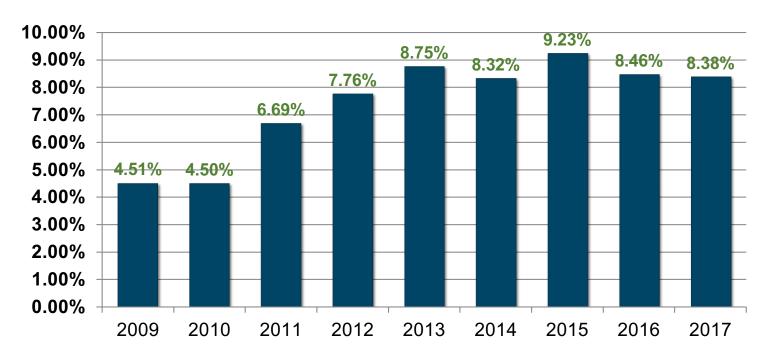








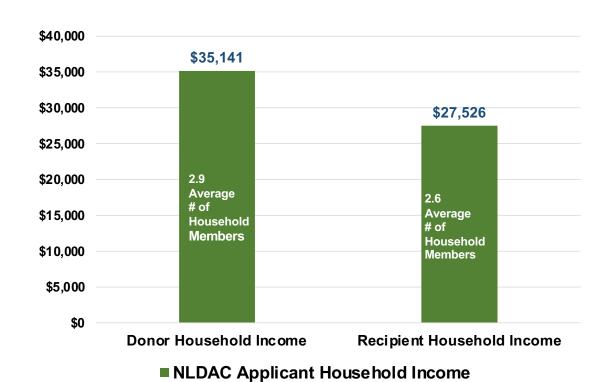
#### Percentage of US Living Donors with NLDAC Support



2013 – 2017: NLDAC supports approximately <u>500</u> Living Donors per year.



#### **NLDAC Living Donor and Recipient Average Income**



"Paying donation-related travel costs through NLDAC increased the number of living donor kidney transplants by approximately 14 percent over baseline in participating transplant centers, with a separate survey of NLDAC donors revealing that 75 percent of donors would not have donated without reimbursement. In addition, tax incentive legislation in New York increased living kidney donations to nonfamily members by 52 percent."

HRSA Final Rule, Removing Financial Disincentives to Living Organ Donation, 85 Fed. Reg. 59438 (Sep. 22, 2020)



## **A Solution**



## Increase Living Kidney Donation by...

- Promoting a national public education effort.
- Establishing a dedicated national program to collaborate and provide better coordination and support for donors.
- Empowering donors with donor navigators to assist with process and logistical issues.
- Removing burdensome donor roadblocks.
- Making donation cost neutral and provide reimbursement for donors (NLDAC)
- Funding a national program to increase living kidney donation to save Americans living with ESRD.
- Will save significant costs and improve health outcomes.





#### **Recent Publications Highlight the Issues**

Many a Slip Twixt the Intake Form and the Living

demonstrated in other studies. Some factors, despite being being allegard and patient survival to deceased donor in the United States are from living donors, and the rate of LDKT in remained suggested sequences are from living donors, and the rate of LDKT in the remained suggested for a long time of the studies of the s

regard, to increase the total number of transplants performed. However, living donors only contribute approximately 28% of all transplanted kidneys in the United States currently. In the absence of a nationwide database that captures the predonation process and phases, little is known about LKDs and the barriers associated with initiating and completing the donation process. Lack of education of the recipient and donor candidate, the reluctance of recipients to ask family and friends to donate, and logistical issues (ie, transportation, finding childcare, getting time off of work to go to the appointments) may impact the decision to become a donor. Furthermore, for those interested in becoming a living donor, the evaluation process is extensive. Donor applicants must have optimal overall health, consistent health maintenance follow-up after donation, and adequate social and financial support to be able to afford the costs associated with donation.

Living kidney donors (LKDs) represent a unique opportunity, in this

Living donor kidney transplant (LDKT) results in superior allograft and patient survival to deceased donor transplant. Despite this, only 30% of kidney transplants in the United States are from living donors, and the rate of LDKT has remained stagnant for a long time..... many of these donor-candidate barriers should be addressed at a national level because these are shared across centers all over the country.



#### Characteristics of Potential and Actual Living Kidney Donors: A Single-center Experience

Liza K. Cholin, MD, <sup>1</sup> Jesse D. Schold, PhD, MStat, Med, <sup>2</sup> Susana Arrigain, MA, <sup>2</sup> Emilio D. Poggio, MD, <sup>1,3</sup> John R. Sedor, MD, <sup>1</sup> John F. O'Toole, MD, <sup>1</sup> Joshua J. Augustine, MD, <sup>1,3</sup> Alvin C. Wee, MD, <sup>3</sup> and Anne M. Huml, MD<sup>1,3</sup>



## Don't Let Billboards and Social Media be the National Strategy for Organ Donation

#### He put up a Times Square billboard in search of a kidney – and saved more lives than his own

Marc Weiner booked one of the world's most visible advertising spots, hoping his life would change. He ended up changing the lives of dozens of others, too



⚠ There are more than 253.8 million adults in the nation – most of whom presumably have a kidney to spare. Photograph: Marc Weiner



arc Weiner has two voices. There is his speaking voice,

#### The people using Instagram to find a life-saving kidney donor

Bo Harris says he was not only looking for an organ donation, he wanted to put a face to his largely invisible kidney disease



When Bo Harris needed a kidney, he reached out via social media. Illustration: Guardian Design

o Harris was diagnosed with chronic kidney disease in 2015. In the five years since, he has gone to countless doctor appointments, spent weeks in bed with symptoms of the illness such as severe fatigue and body aches, and even battled and beat lung cancer. But the most difficult part of the journey by far, he says, was pushing the publish button on his first Instagram post searching for a life-saving kidney donation.

"It's very out of my nature to have to ask people for anything, and for this, you have to essentially ask, 'Can you donate an organ so I can continue

#### Melissa's Story: Finding a Living Kidney Donor Through Social Media

Apr. 14, 2022

"I do not have the words to express how grateful I am for what she has done for me," Melissa Kinnaird said of her live kidney donor. "It has really changed my life, and it has changed my life for the better."



Melissa posted on Facebook in 2021 seeking a perfect match for a live kidney



How to Use Social Media to Find a Living Donor







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A woman is getting a kidney donation from a stranger after posting about her need on Facebook

Elise Solé





#### **Questions?**

**Contact** 

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