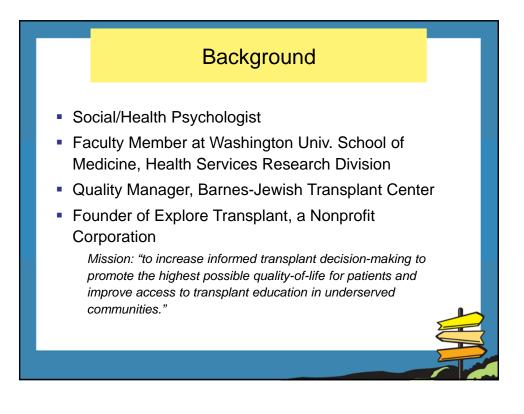
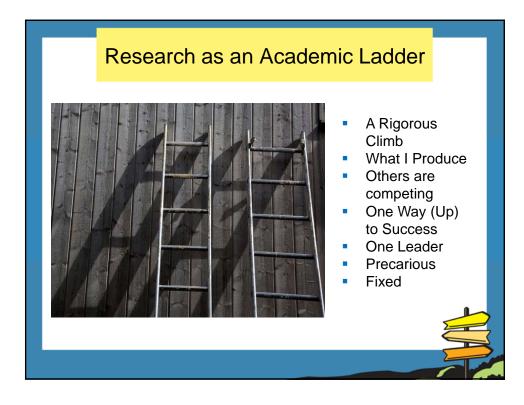
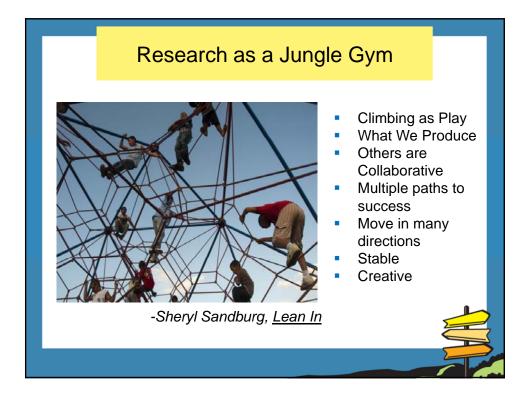


Talk Objectives

- Introduce my research team & approach.
- Assess why deceased and living donor transplants aren't always occurring.
- Evaluate the effectiveness of Explore Transplant education on helping dialysis providers become motivated to educate their <u>own</u> patients about transplant and on their patients' living donation rates.
- Discuss how improved transplant education may help more African-American patients learn more about transplant & receive living donor transplants.
- Discuss the possibilities for an Center of Transplant Education and Living Donation.

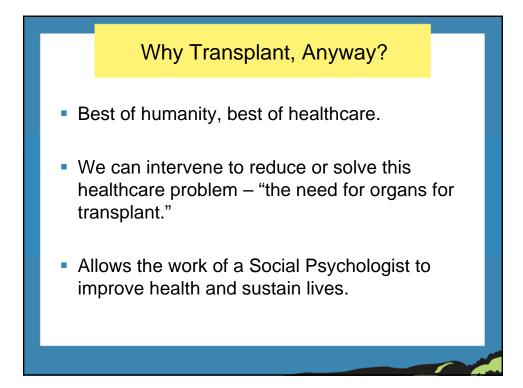


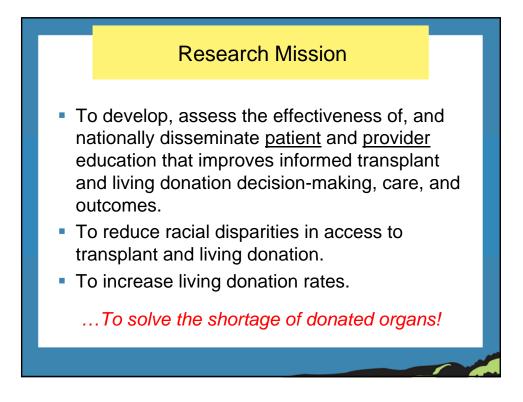


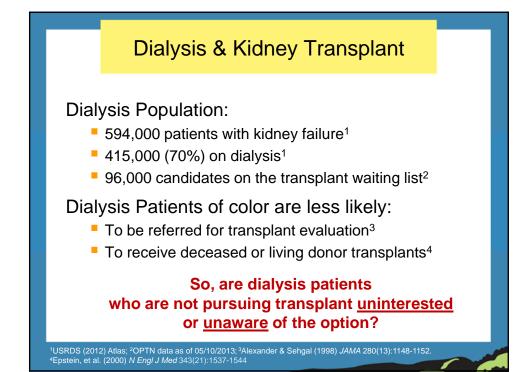


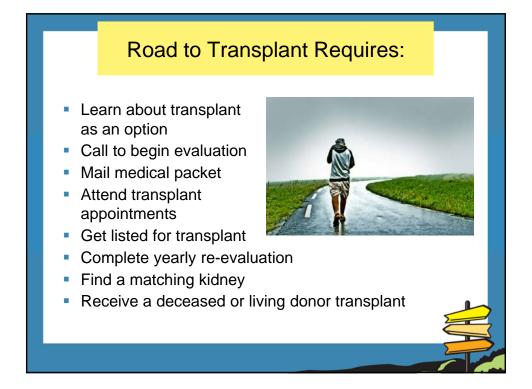
	My Jungle Gym
Grant Funding	 NIH, NIDDK HRSA OneLegacy Foundation
Research Team	 Christina Goalby, MSW Crystal Kynard-Amerson, MPH Anna-Michelle McSorley, BA John (Devin) Peipert, MA Riya Rajan, BA Jessica Thein, BA
Advisory Board	Representatives of ESRD Networks, UNOS, Dialysis, Transplant Centers, and OPOs, Kidney Patients & Living Donors

 Research Collaborators Mark Robbins, PhD & Andrea Paiva, PhD University of Rhode Island Alan Leichtman, MD University of Michigan Francis Weng, MD, MSCE St. Barnabas Transplant Center Timothy McBride, PhD Washington University School of Medicine Osama Gaber, MD Methodist Houston Transplant Center Keith Norris, MD, PhD, Jeffrey Veale, MD, Eric Treat, MD David Geffen School of Medicine, UCLA 	Resea	rch Collaborators, So Far
		 University of Rhode Island Alan Leichtman, MD University of Michigan Francis Weng, MD, MSCE St. Barnabas Transplant Center Timothy McBride, PhD Washington University School of Medicine Osama Gaber, MD Methodist Houston Transplant Center Keith Norris, MD, PhD, Jeffrey Veale, MD, Eric Treat, MD

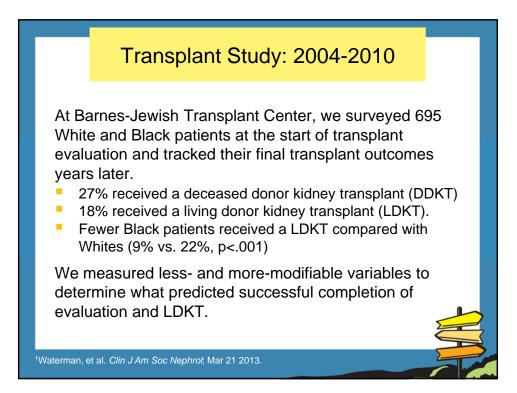


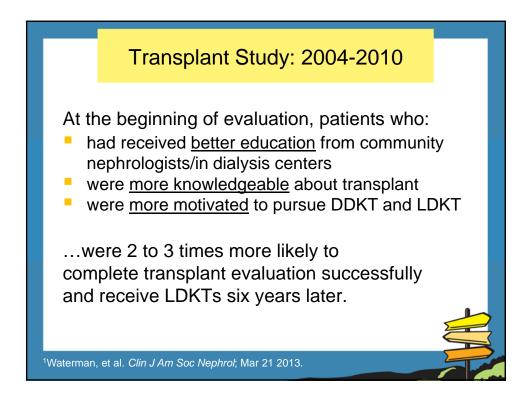


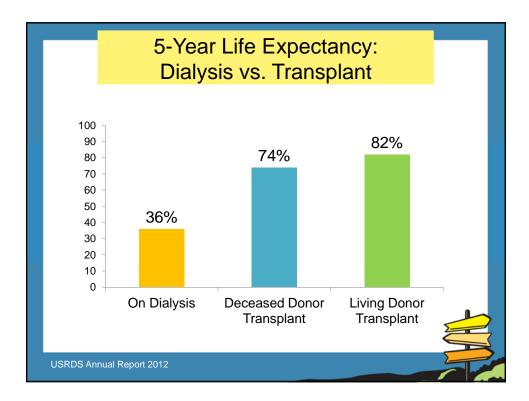


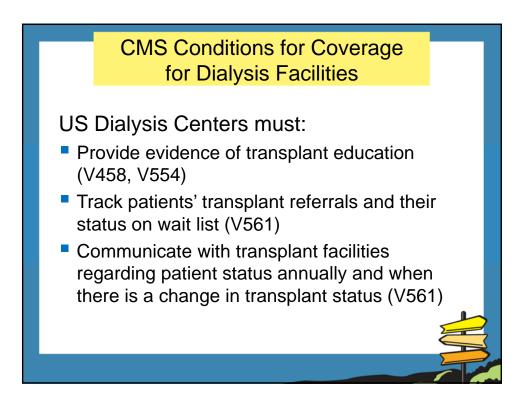


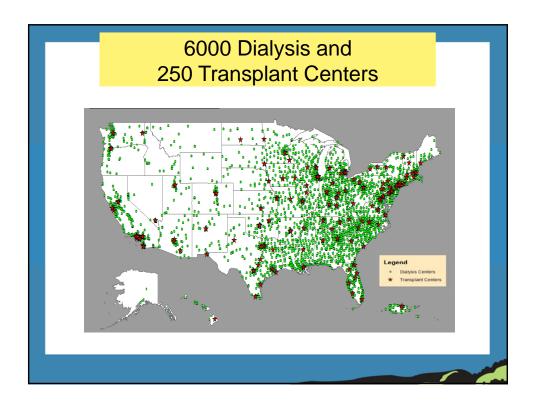


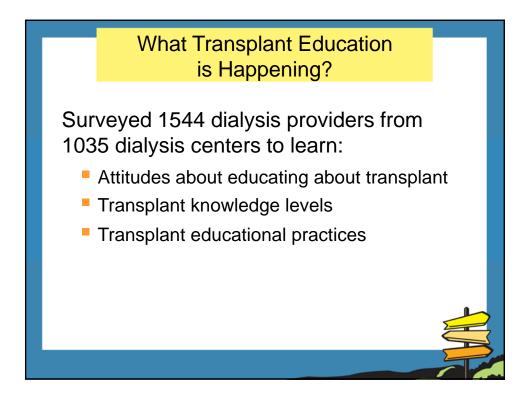


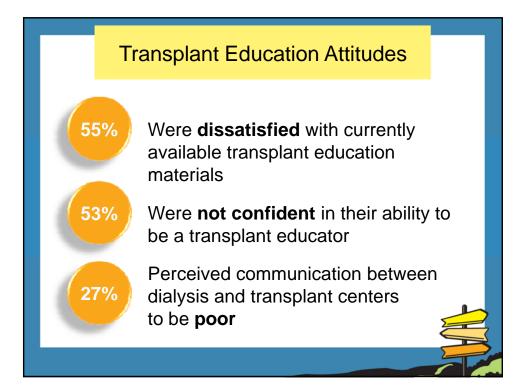






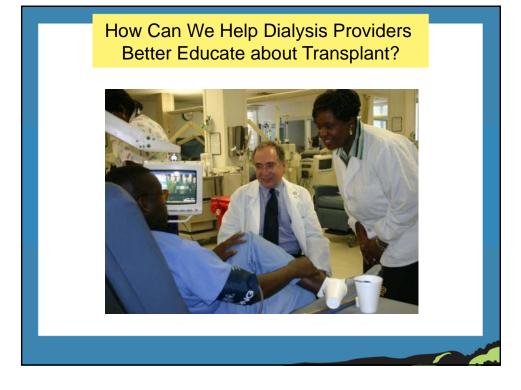






Poor Dialysis Provider Know About Transplant	eage
	% Correct of 16 Questions (N=1544)
A living donor kidney lasts 15-20 years, on average.	19%
Dialysis is equivalent to the work of 10-15% of one functioning kidney.	23%
Living donors have a risk of high blood pressure after donating.	27%
90% of transplanted kidneys function for at least 1 year.	41%
Transplant Knowledge	42%

		Provid engagir this prac (N-15	ng in ctice:
Orally recommend patients learn more about transplant themselves		72%	6
Orally reco	ommend being evaluated for transplant	69%	6
Refer patie program	nts to an external transplant educational	44%	6
Distribute t	ransplant center phone numbers	37%	6
Detailed dis	scussion about advantages/risks of DDKT	21%	ó
Detailed dis	scussion about advantages/risks of LDKT	219	/ 0

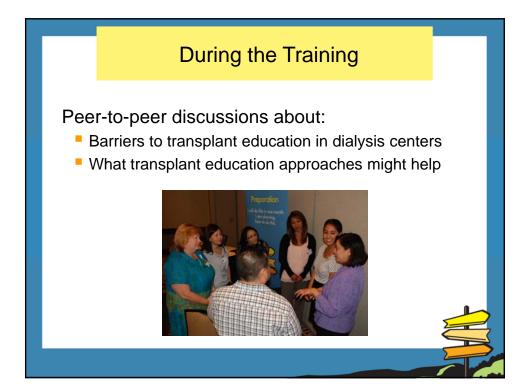




National Quality Improvement Initiative

Conduct Dialysis Provider Trainings to better prepare dialysis providers to educate their <u>own</u> patients about transplant.

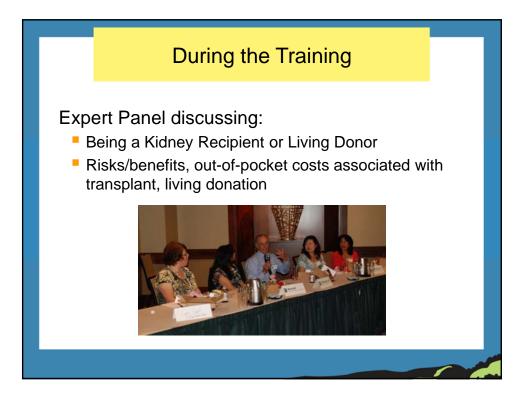




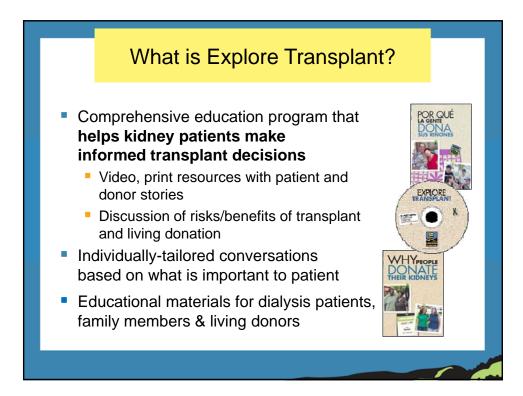
During the Training

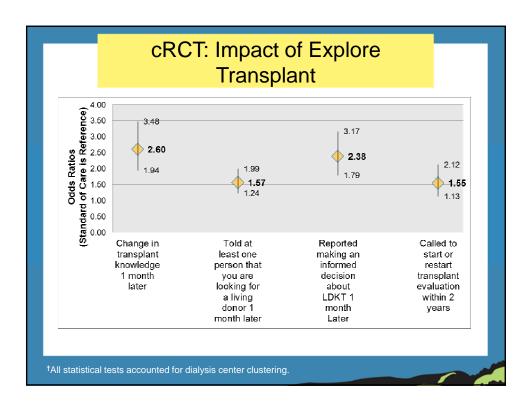
Videos, exercises, and training demonstrating how to use Explore Transplant education with patients

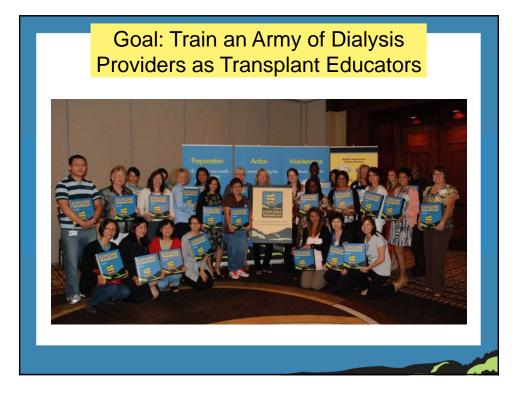


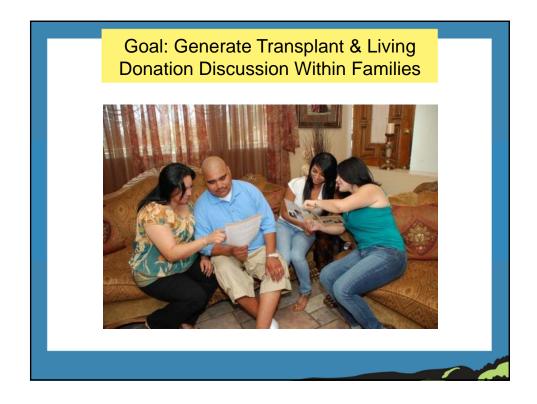


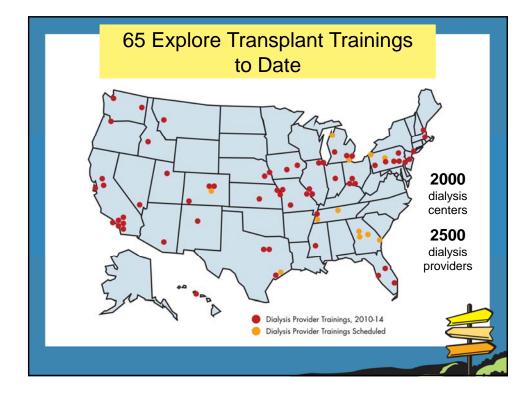




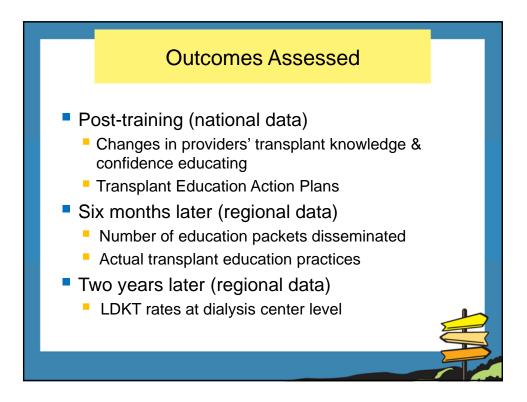


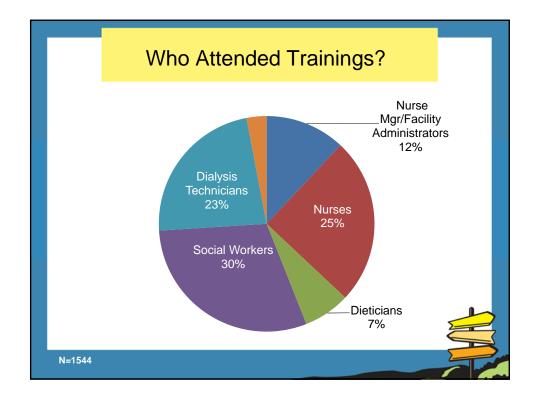






	Regional and National Transplant Education Data
2009-	11 Trainings with Heartland Kidney Network
2011	257 providers trained,199 dialysis centers (73% RR)
	Six-month provider & two-year center follow- up complete
2011- 2013	32 Trainings sponsored by multiple Networks and organizations
	1544 providers trained, 1035 dialysis centers
	Follow-up ongoing



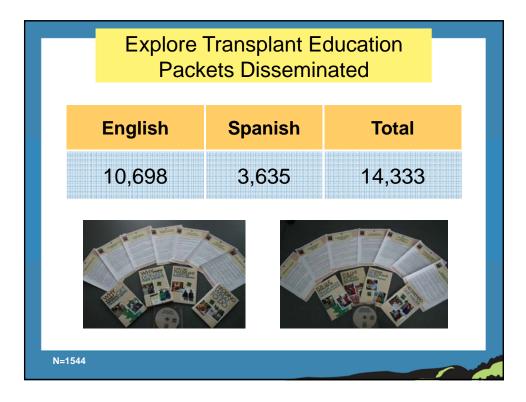


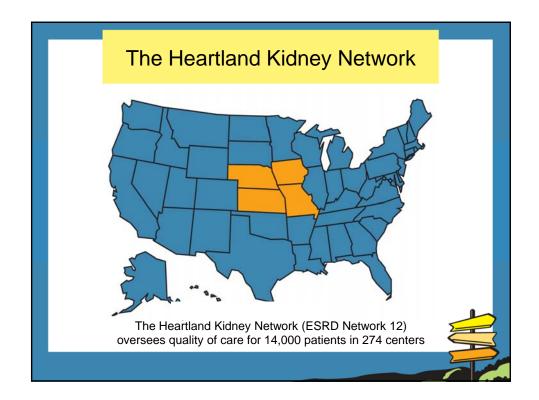
Transplant Attitude	Change	
	Before Training (% Agree)	After Training (% Agree)
I am sufficiently knowledgeable about transplant that I could answer most patients' questions.*	46%	82%
I am confident in my ability as a transplant educator.	41%	77%
The transplant education materials available at my dialysis center are excellent.*	39%	69%

	Before	After
	Training (% Correct)	Training (% Correct)
A living donor kidney lasts 15-20 years, on average.*	19%	86%
Dialysis is equivalent to the work of 10-15% of one functioning kidney.*	23%	82%
Living donors have a risk of high blood pressure after donating.*	27%	87%
90% of transplanted kidneys function for at least 1 year.*	41%	92%
Overall Knowledge*	42%	92%

After the training, do you plan to:	Already done or planning to do (N=1544)	Completed siz months later (N=601)
Determine which patients are on the waiting list?	88%	85%
Determine which patients are transplant candidates?	87%	75%
Hang Explore Transplant posters in your dialysis center waiting room?	86%	54%
Share Explore Transplant materials and videos with your dialysis team?	85%	44%

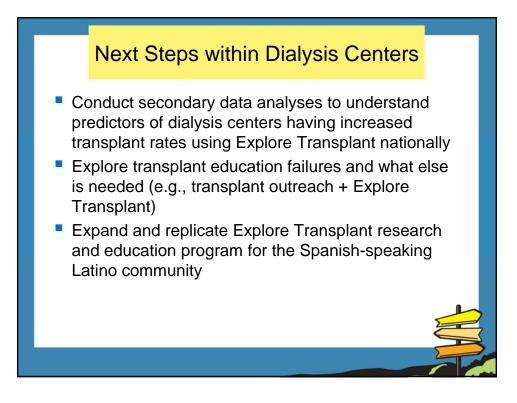
	% planned to do within 1-6 months (N=1544)	Took action 6 months later (N=601)
Educate at least 1 patient using <i>Explore Transplant</i>	84%	34%
Educate at least 5 patients	75%	25%





Explore Transpl	ant In Acti	on
Marianne used Explore Transplan	t, and in the fir	st six months:
Patients who	of 14 dialysis patients educated	Lien.
Are currently being evaluated	5	ACAL
Identified donors and approved for transplant	2	1
Received a living donor transplant	2	
Were evaluated, medically ruled out	1	- Parte
Total Patients Who Initiated Transplant Evaluation	10	-

Donor Transplant in 2010 & 2011			
Dialysis Center Level Data	Unadjusted OR (95% CI)	Adjusted OR (95% CI)	
Provider reported educating 5 patients using ET (yes/no)	1.37 (1.03, 1.81) [*]	1.32 (1.01,1.74) [*]	
Center located in urban area (yes/no)	1.65 (1.33, 2.04)	1.63 (1.32, 2.02)**	
For-profit center (vs. non-profit)	0.88 (0.70, 1.11)	-	
Proportion of Patients Age > 65: \geq 50%	0.77 (0.62, 0.95) [*]		
Proportion of Black Patients: \geq 50%	0.87 (0.66, 1.15)	-	
Proportion of Female Patients: \geq 50%	0.91 (0.70, 1.18)	-	



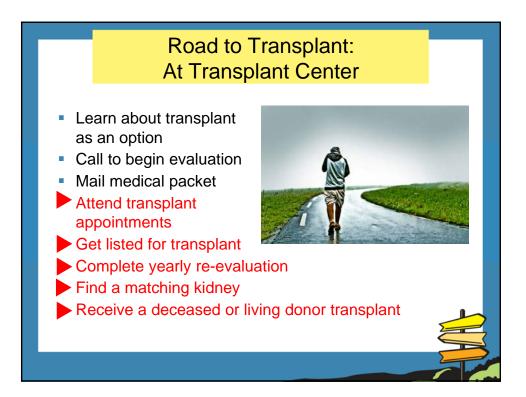
Patient Education by Phone/Mail: A Health Insurance Education Model

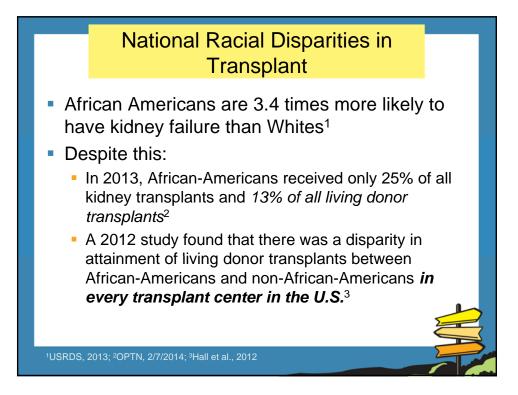
- Use of Explore Transplant varied by dialysis center educator.
- Health Insurance Companies conduct phone/mail interventions to patients with specific ICD-9 codes directly, often using a case manager
- Determine best transplant education practices for use by health insurance companies

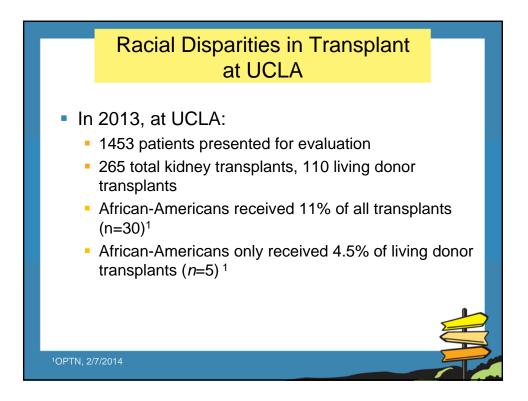


Conducting an RCT of "Explore Transplant at Home"

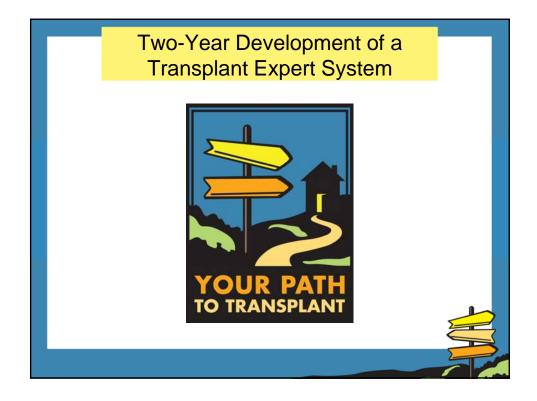
- Compared to receiving only transplant education within the dialysis center, 675 White and African-American dialysis patients meeting specific lower income criteria will receive:
 - <u>"Explore Transplant at Home."</u> Guided video program, sequential print mailings, and texting reminders over 8months (Lower cost)
 - <u>Case-manager facilitated education + "Explore</u> <u>Transplant at Home"</u> program (Higher cost)
- Outcomes: Transplant knowledge change & plan to take different transplant steps

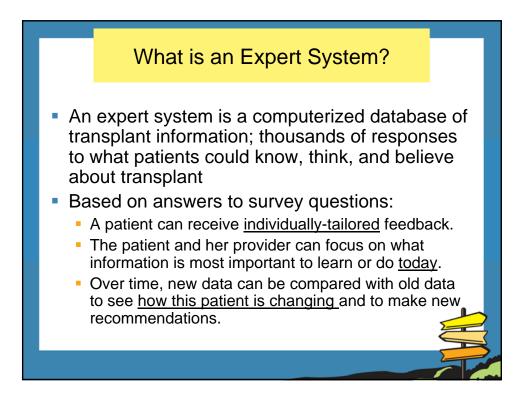


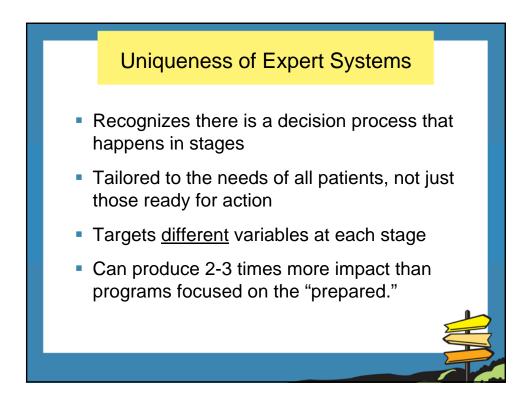


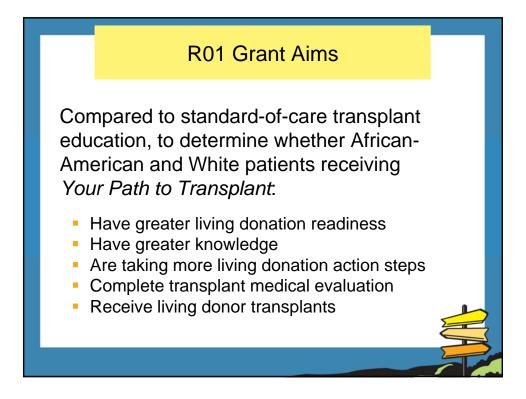


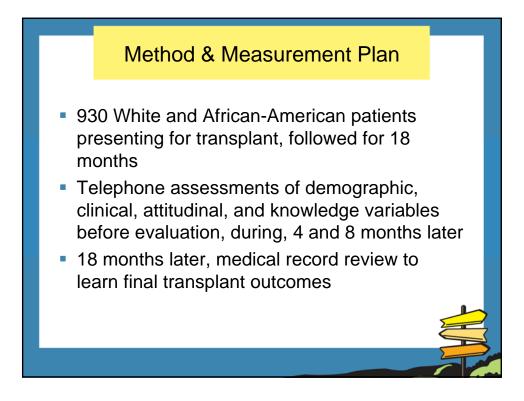


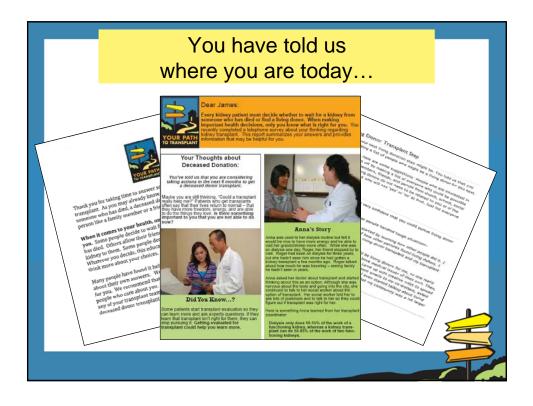


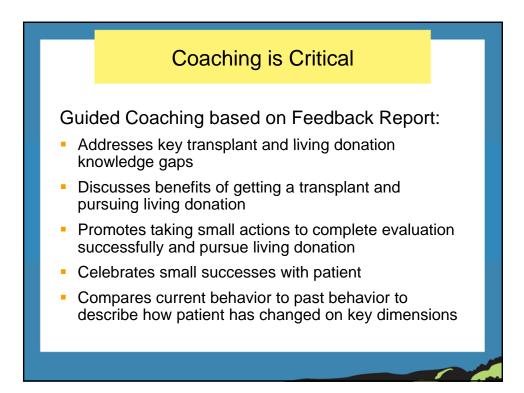


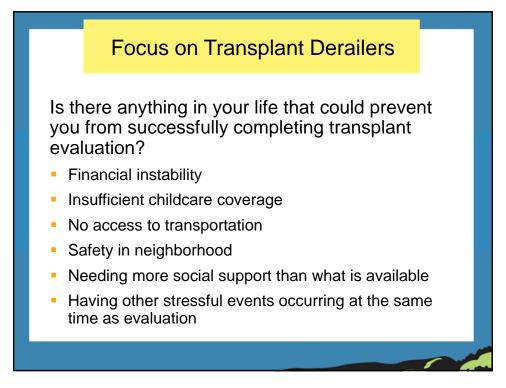


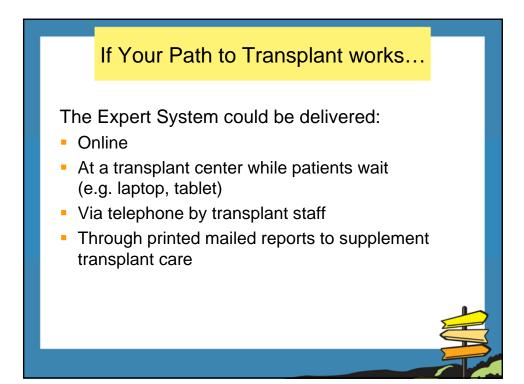


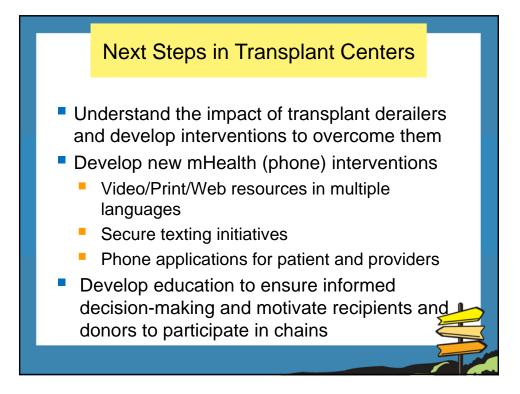






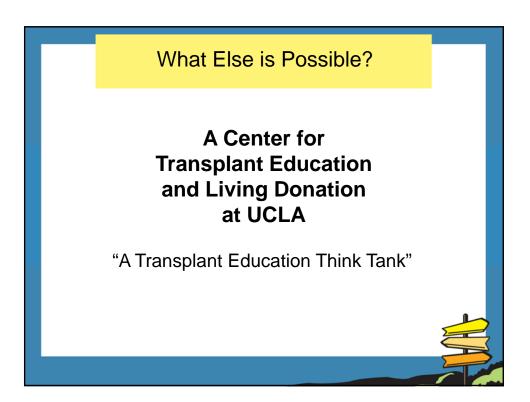






The Status Quo in Education

- Due to the need for living donors, educational initiatives will launch, but they may not truly increase informed decision-making or be maximally effective.
- Individual researchers will explore the effectiveness of different educational approaches, as funding permits.
 - -- Some educational strategies will work but it will take a long time to know what those are.
- Many healthcare providers will not be having the most effective conversations to increase living donation.
- More patients will die while we all learn, especially minorities.



Center Two-Fold Mission

- To develop, assess the effectiveness of, and make available state-of-the-art patient, living donor, and provider education about transplantation.
- To improve informed transplant and living donation decision-making so that the rates of transplant and living donation nationally are increased.

Center for Transplant Education and Living Donation

- Accelerate education development and research on transplant education for all racial/ethnic groups
- Study emerging trends: donor chains, social media, online resources
- Design and test state-of-the-art transplant education resources, including mhealth resources, for patients/living donors
- Conduct secondary data analysis on educational trends in dialysis centers
- Explore transplant policy and economic ramifications of transplant disparities & education gaps.
- Disseminate best practices and education nationally.
- Train providers how to discuss living donation.

Opportunities

- Become a friend of the Center!
- Provide coaching on the direction of the Center and how it could fit into established research collaborations most successfully.
- Expand or source your research inside of the Center in some way, strengthening ability to obtain grants.
- Help the Center focus in new areas: medication adherence, measurement development, cultural issues affecting health, spirituality, & mhealth design.
- Involve your graduate students, MDs, and PhDs in work happening within Center.

