

ASN-HDU Home Dialysis Education Series:

# Home Dialysis Modality Education

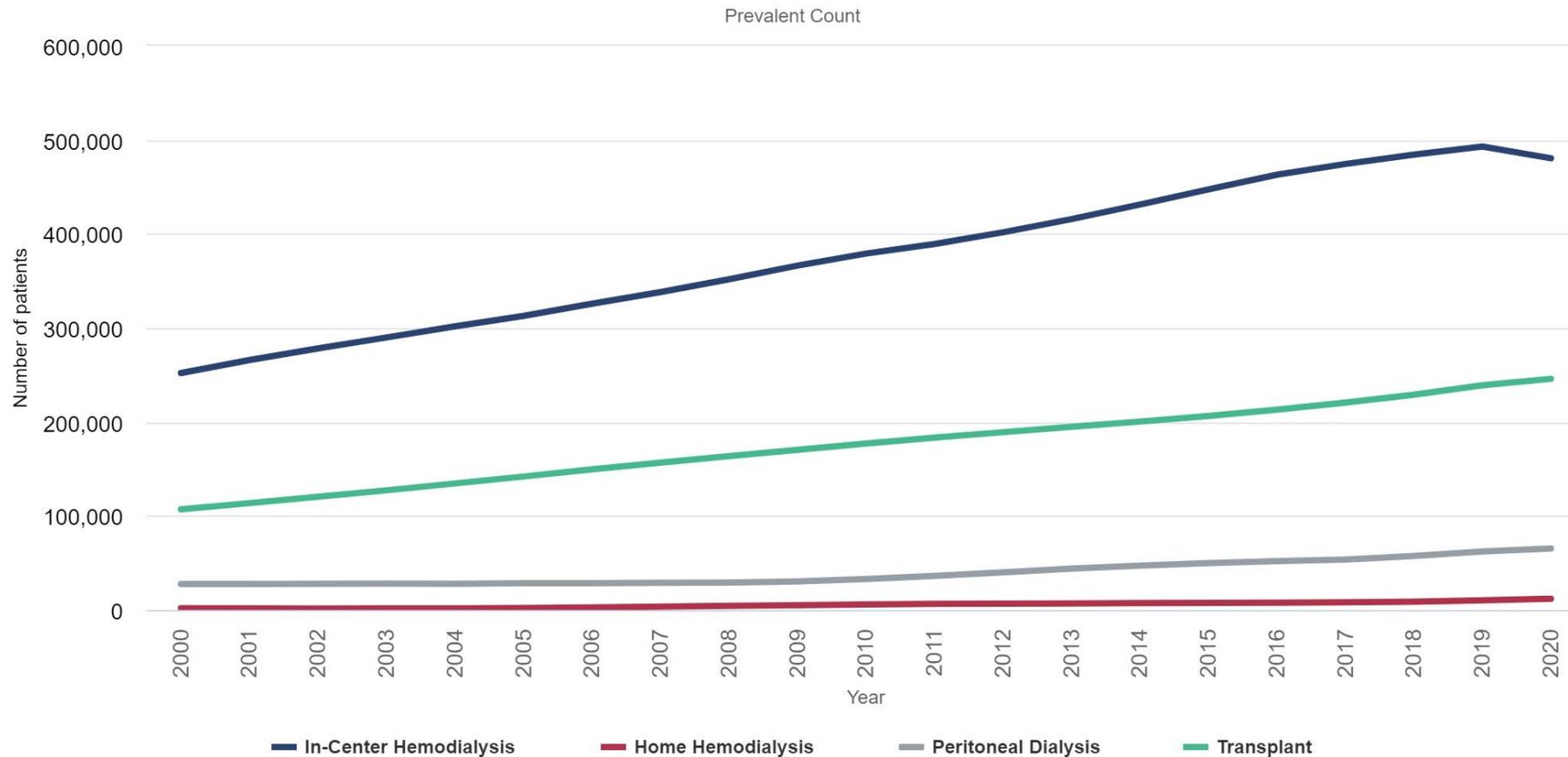
Rebecca Kurnik Seshasai MD, MSHP  
Associate Professor of Clinical Medicine  
University of Pennsylvania

# Objectives

- Patient Education
- Recruitment
- Counseling

# Prevalent ESRD by Modality

Figure 1.6 Prevalent ESRD by modality, 2000-2020



ICHD: 480,500

PD: 65,400 ~ 12%

HHD: 11,900 ~ 2%

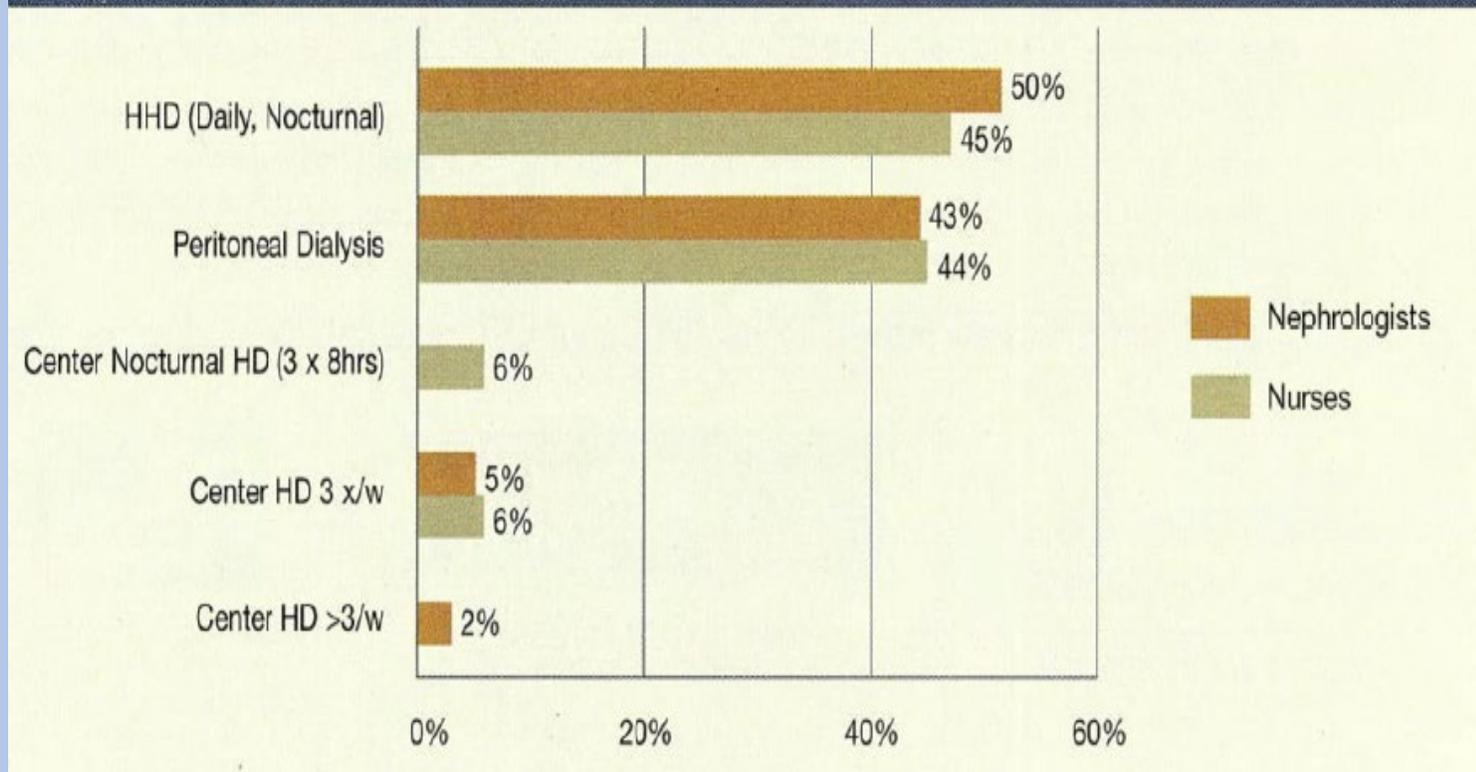
Data Source: 2022 United States Renal Data System Annual Data Report

# Barriers to Uptake of Home Dialysis in US

- **Inadequate education of patients**
  - **Lack of exposure and misconceptions**
- Psychosocial burden
  - Impact on family
  - Fear of complications/medicalization of home
- Inadequate physician training/experience
- System/infrastructure

# Nephrology professionals choose Home

Figure 1: If you were told that you need renal replacement therapy, what form of dialysis would you choose while waiting for a transplant?



# The More Patients Know, the More They Choose PD

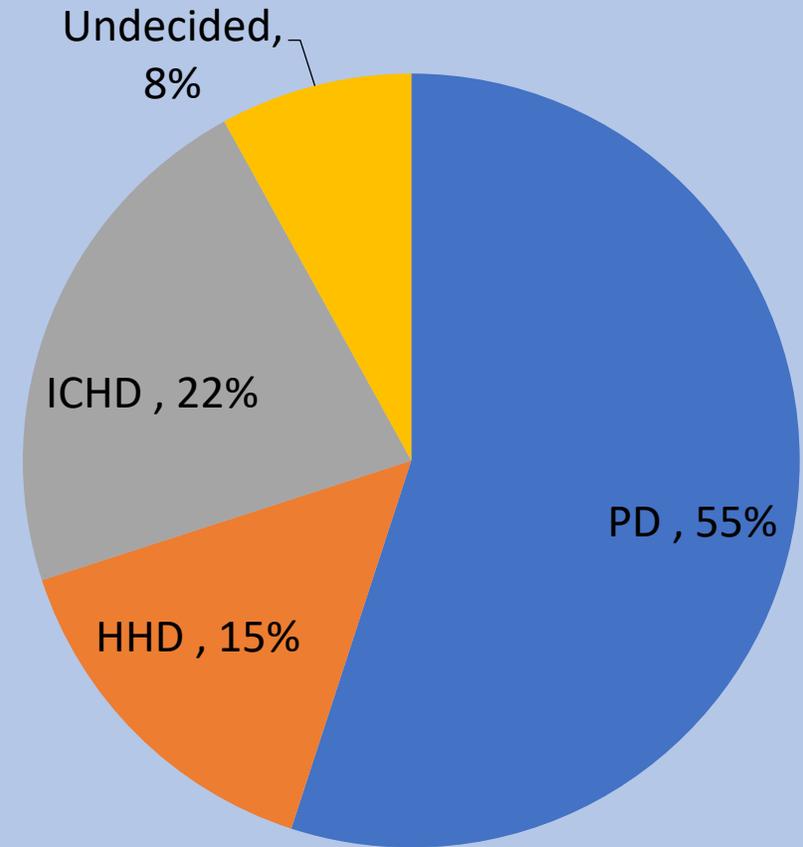
The National Pre-ESRD Education Initiative  
Survey (n= 2500)



*45% of patients chose PD after pre-ESRD education, and  
33% actually started on PD*

# Pre-dialysis education

- Half day multi-disciplinary clinic – up to 3 sessions:
  - Lecture
  - written material
  - Dietician
  - social worker
  - physician
  - hands-on demo of PD and HHD machines
- Near doubling of home dialysis prevalence to 38% of all dialysis patients

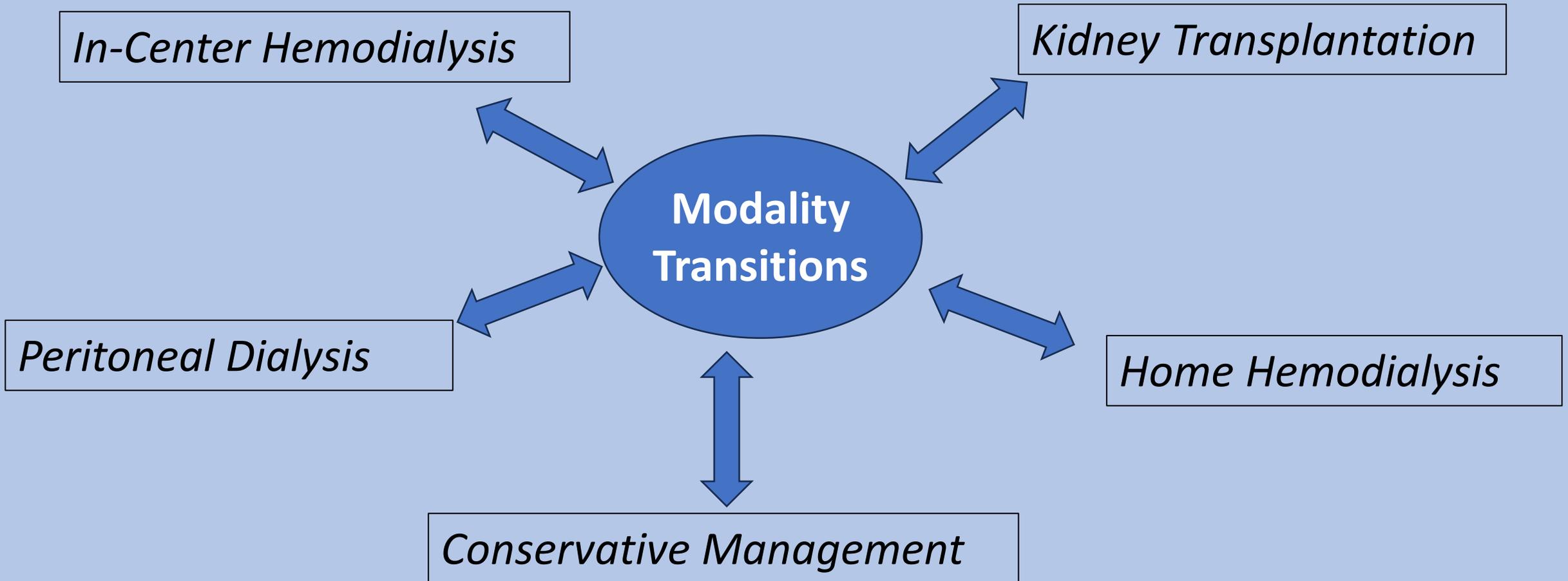


# CKD Education Program

***“Education should be early and often” – patient quote***

1. Every CKD IV-V patient should participate
2. Patients receive CKD education – includes dialysis modalities, transplant, access options, conservative management
3. Patients receive follow – up calls and additional discussion with nursing staff.
4. Patient returns to see MD and can have a focused discussion
  - \* Ask about barriers, clear up any misunderstandings

# Renal Replacement as a Personalized Continuum



On to the cases...