

Maximizing the Use of PD

Designing quality improvement initiatives that deliver

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Disclosures

Co-inventor, DMAR™ System

Grant support, Baxter for ISPD PD Catheter Registry

Honoraria, Baxter



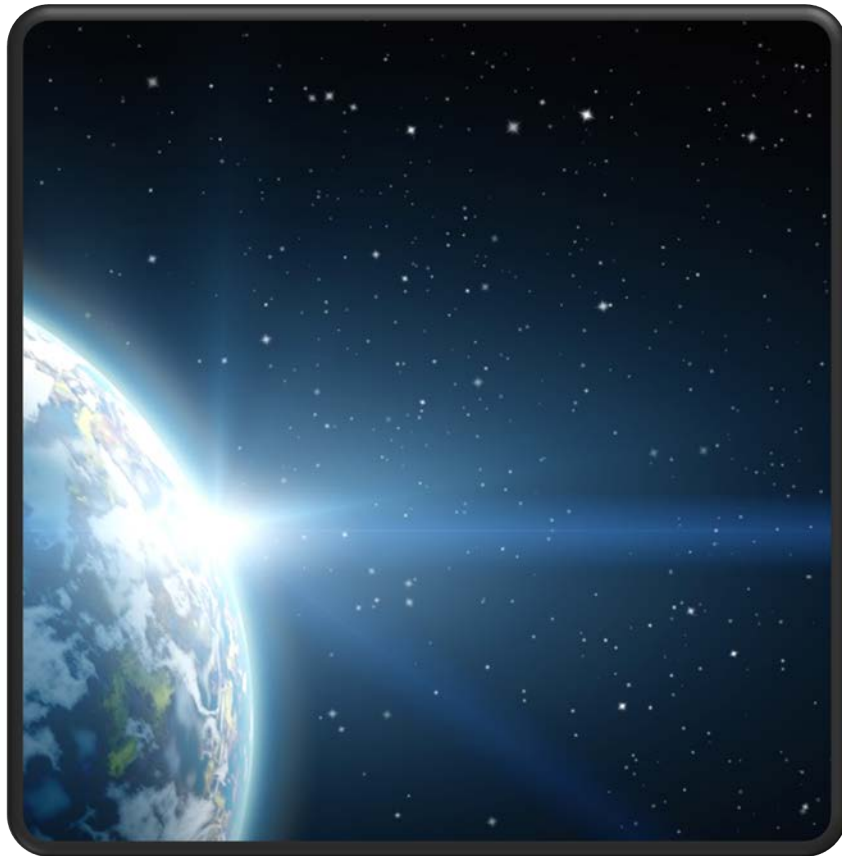
Context



Maximizing the Use of PD



Context



1

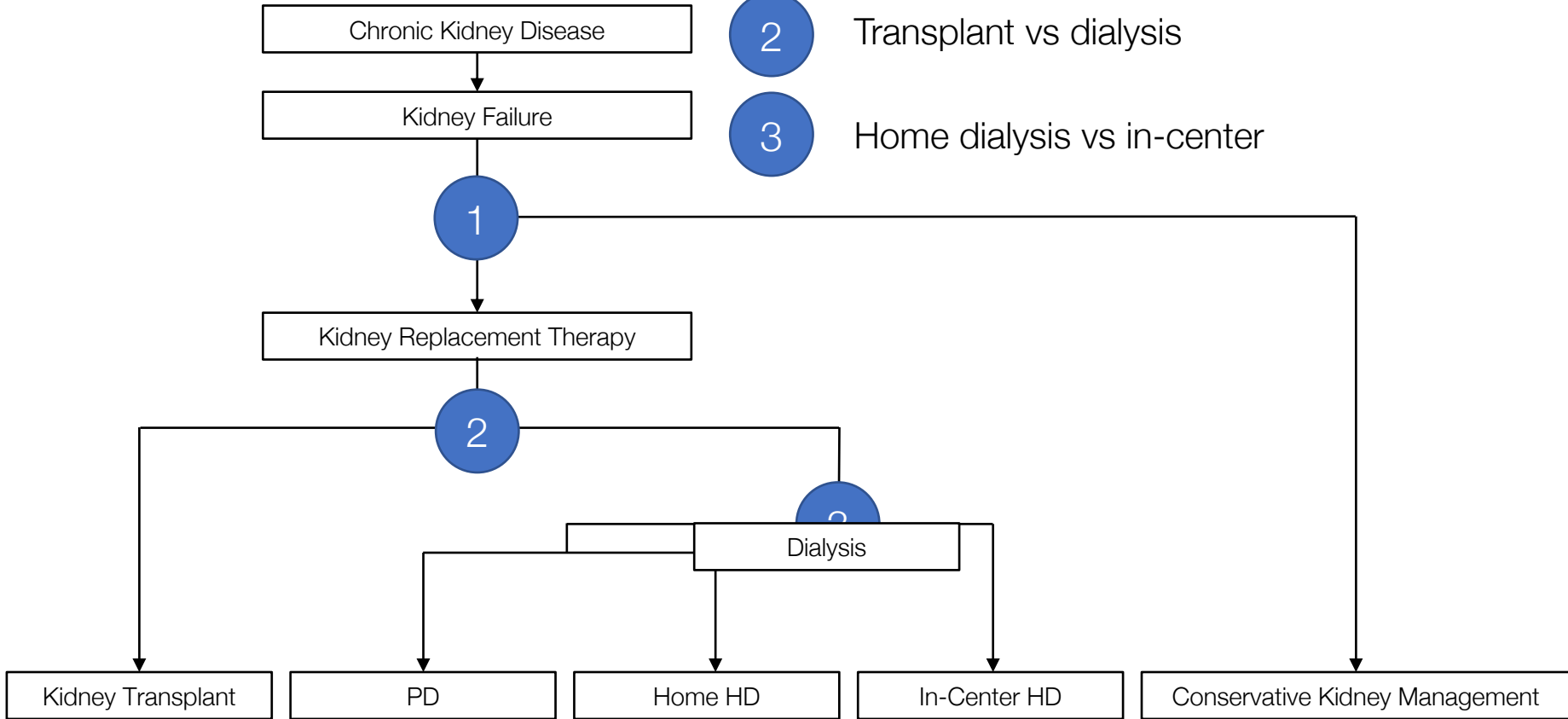
“Treated” kidney failure vs. conservative care

2

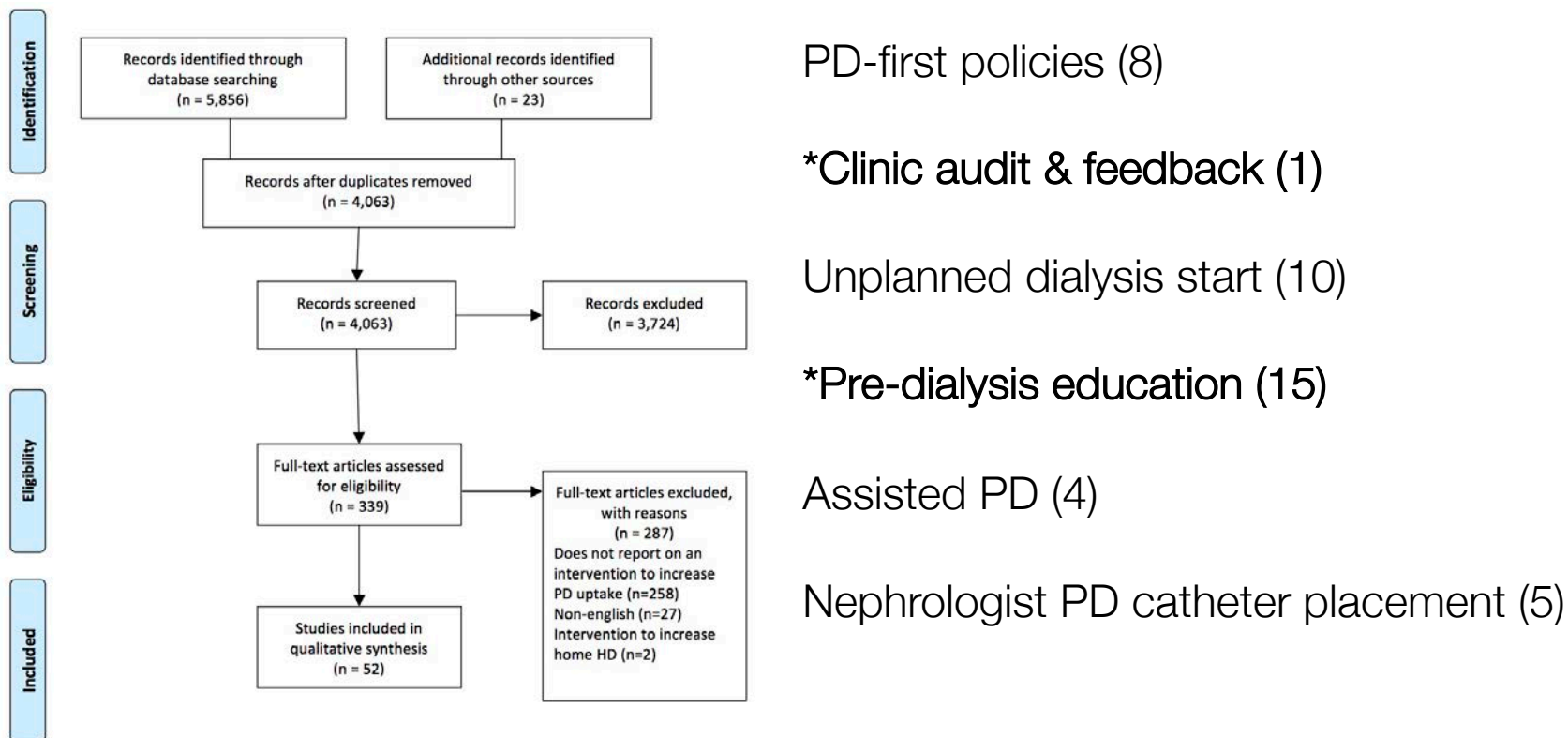
Transplant vs dialysis

3

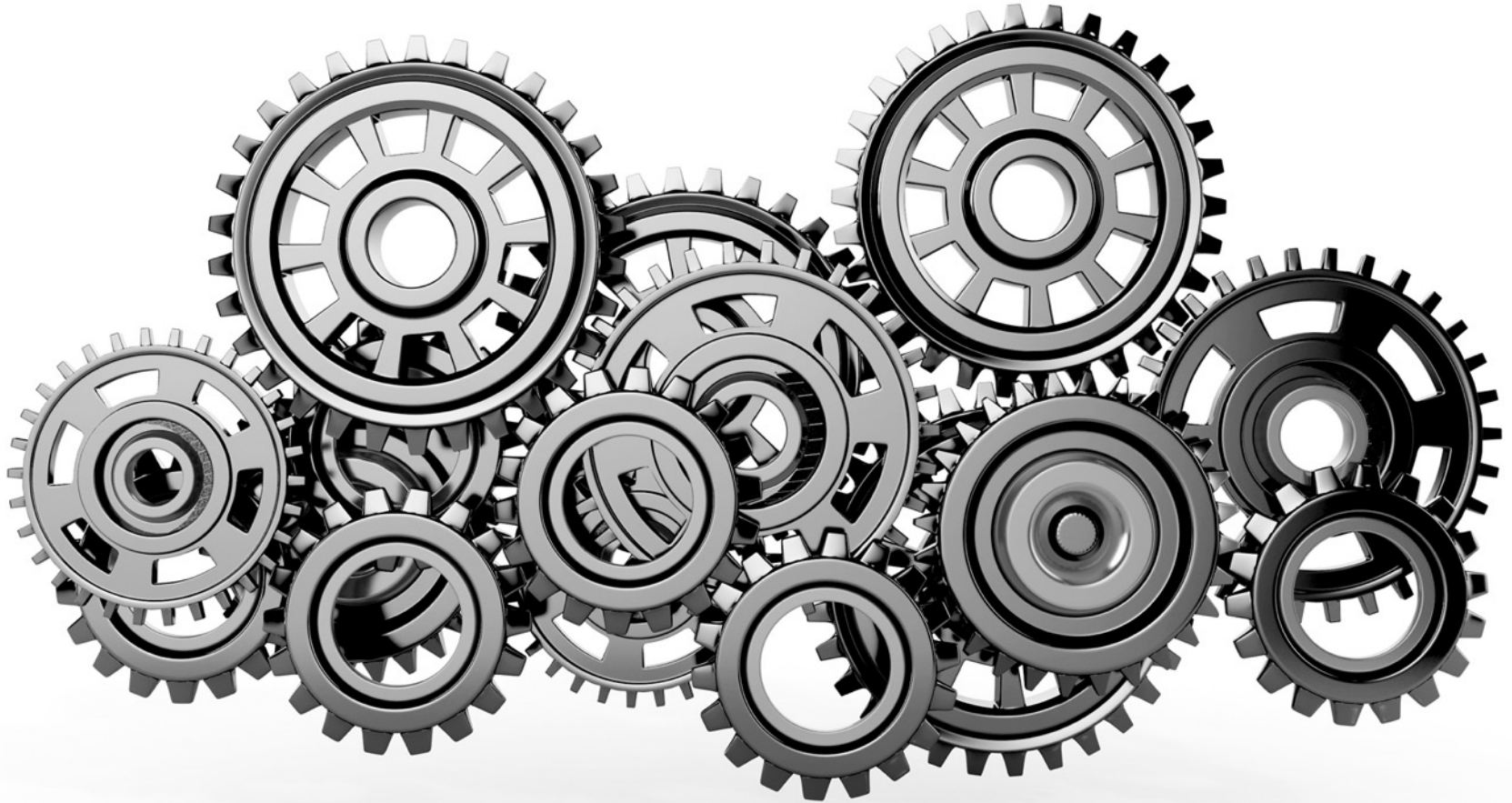
Home dialysis vs in-center



PERITONEAL DIALYSIS: A SCOPING REVIEW OF STRATEGIES TO MAXIMIZE PD UTILIZATION



PD utilization is a complex problem...



Maximizing the Use of PD





START

Starting dialysis on Time At home on the Right Therapy



Alberta, Canada

A common scenario...

The Medical Director of a PD program meets with clinical and operational leads to discuss strategies to increase the number of patients treated with PD. She asks for everyone's input on strategies that the program might use...the group settles on a revamp of the modality education program.



One year after the initial meeting, the team reconvenes to review their results:

Year 1: 250 PD patients in program

Year 2: 250 PD patients in program

Was this a success? Should we continue the intervention?



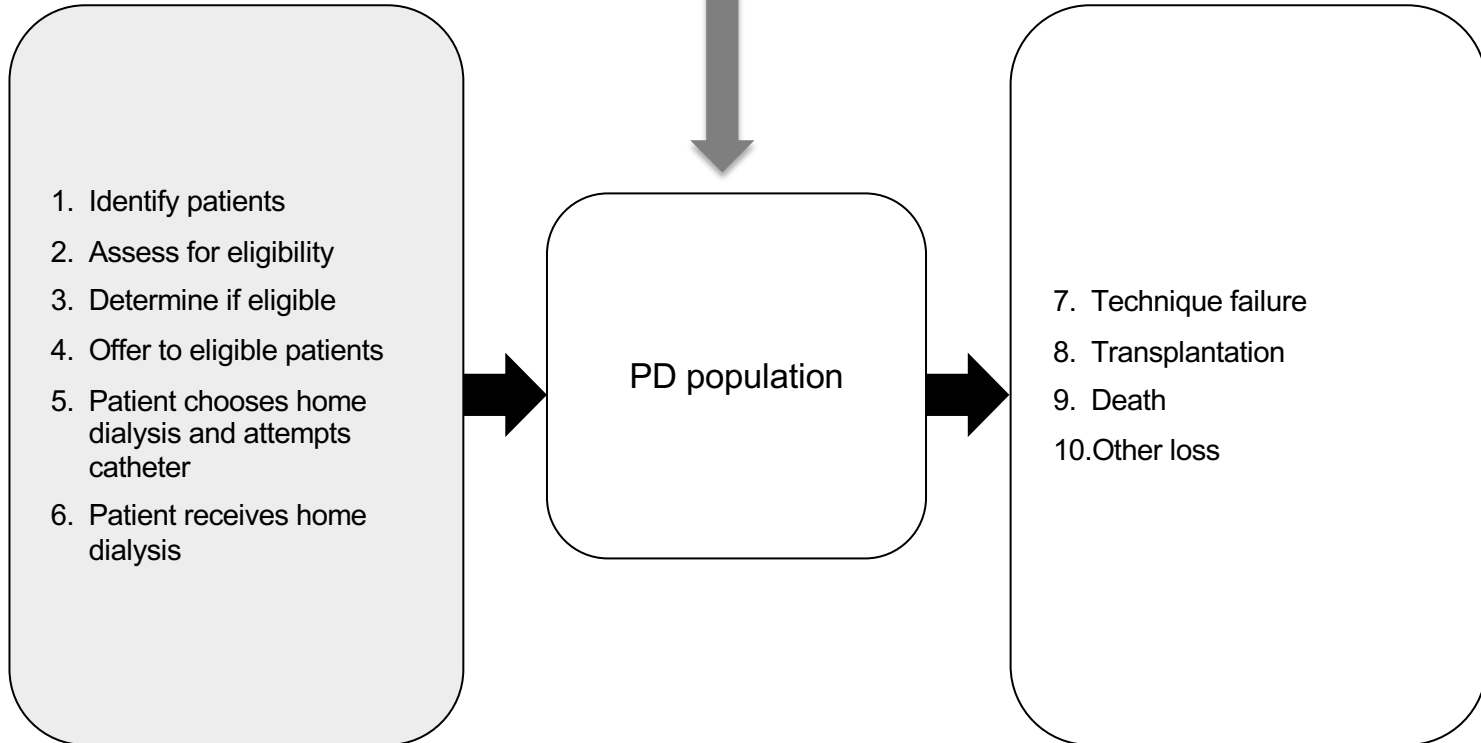
A framework for understanding the problem



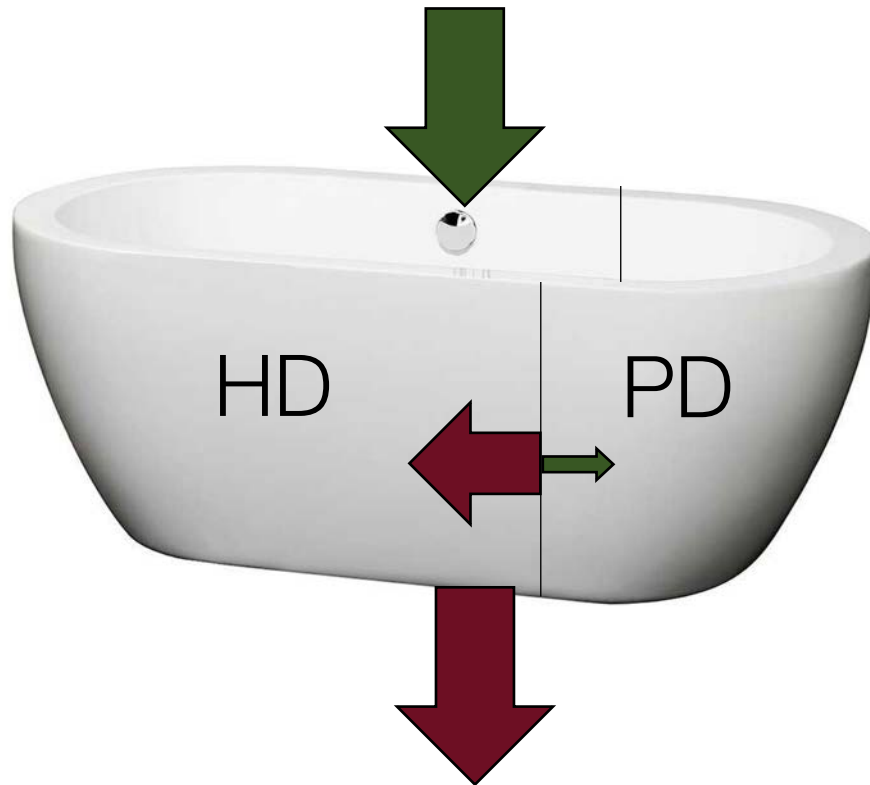
Add new patients

Time on therapy

Lose patients



Add Patients



Lose Patients

INCIDENCE

New PD patients	100
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LOSS

Technique failure:	40
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Death:	10
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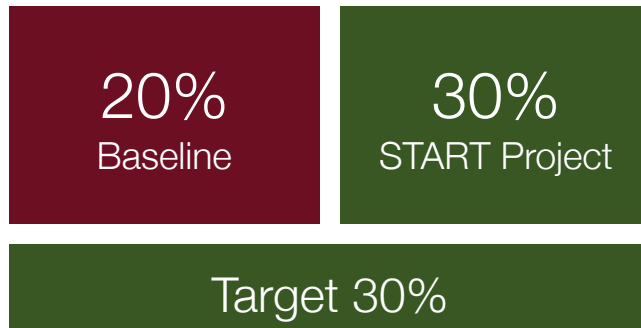
Transplant:	50
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Picking the appropriate performance measure



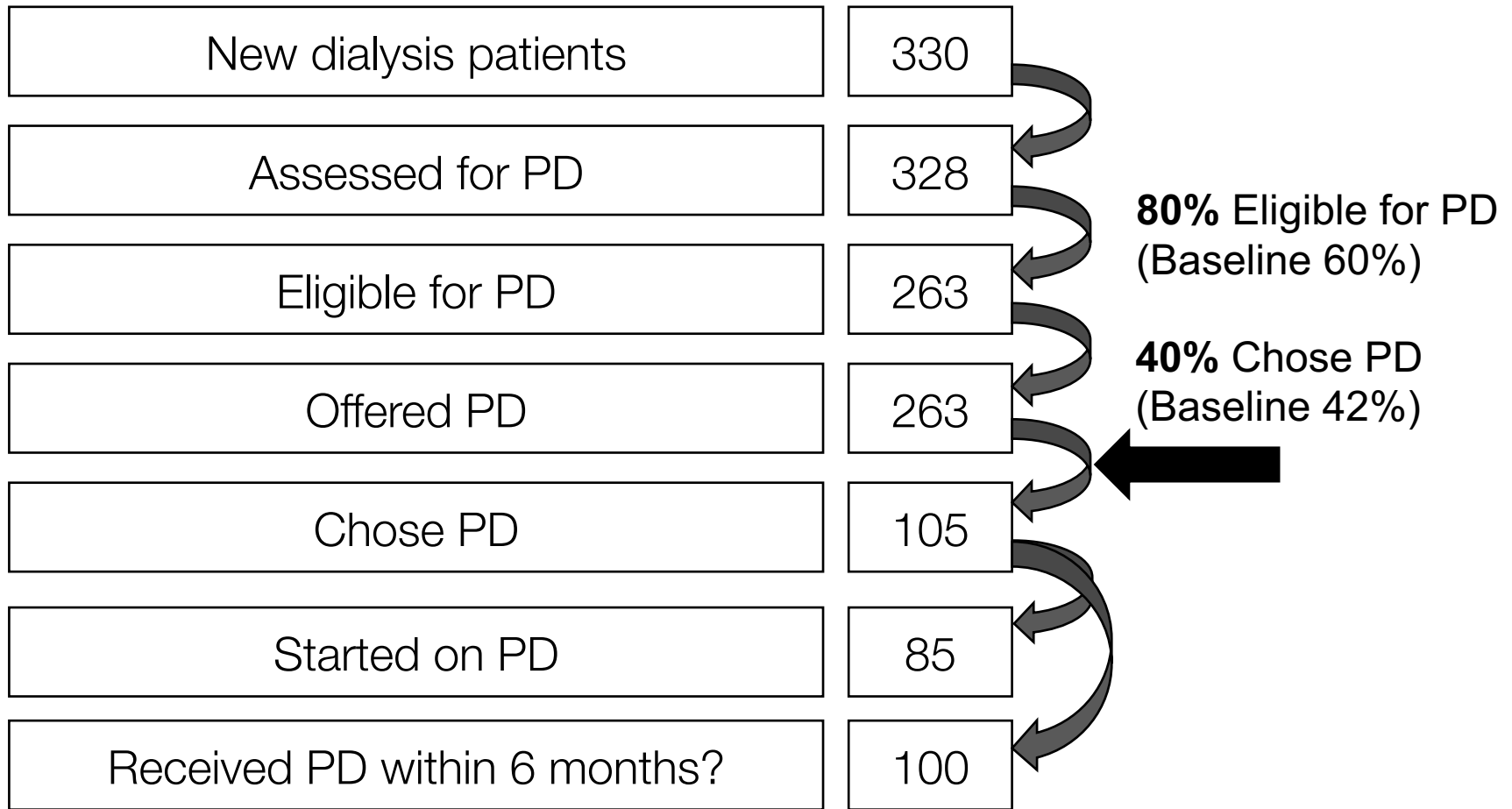
Key Indicator: PD Utilization

Incident patients receiving PD within 6 months of starting dialysis



Understanding process that drives outcomes



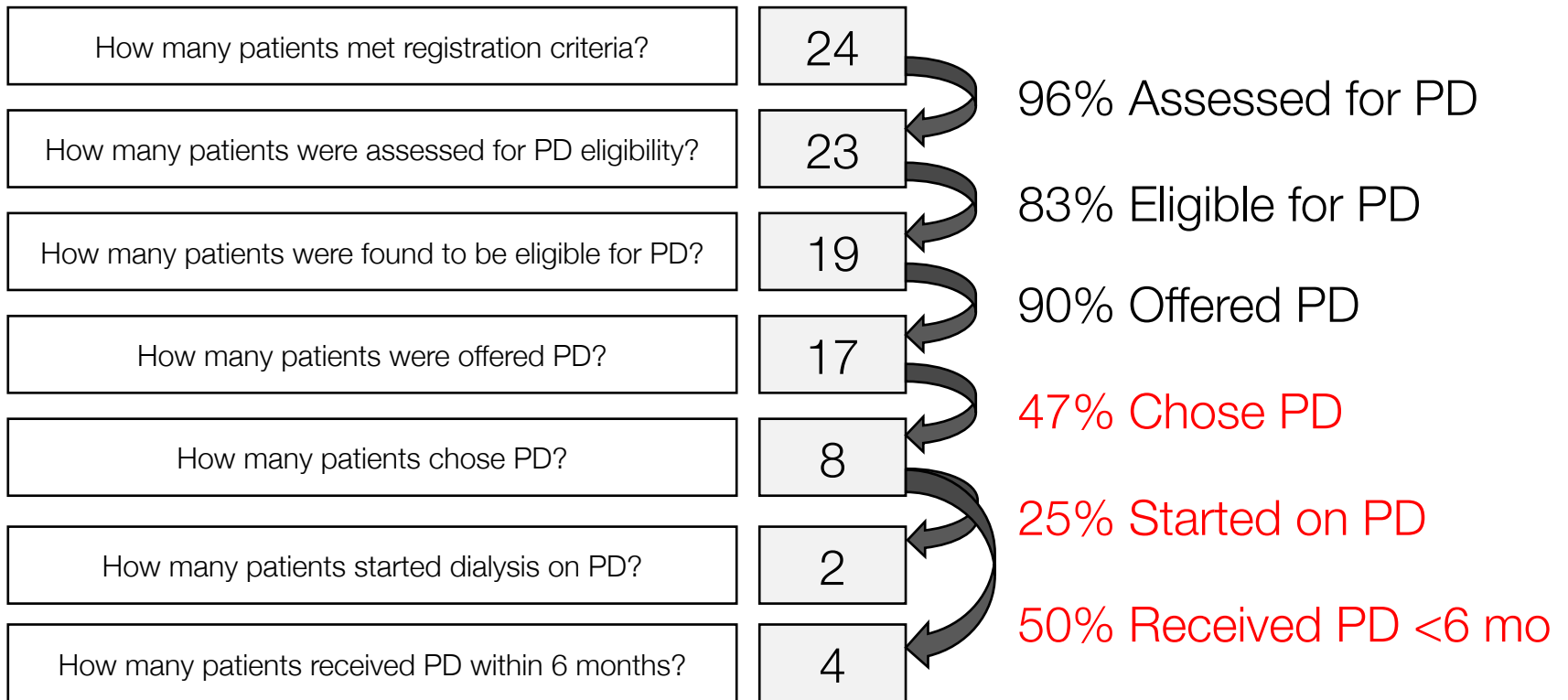


Key Indicator: PD Utilization

Incident patients receiving PD within 6 months of starting dialysis



Target 30%



	High-Performer	Site A	Site B
Assessed for PD	>90%	81%	87%
Eligible for PD	80%	78%	30%
Offered PD	100%	100%	100%
Chose PD	50%-60%	28%	50%
Received PD – 1 st modality	70%-80%	55%	67%
Received PD – within 6 month	85%-90%	82%	67%

The power of benchmarking

Data Quality

High-quality data, standardized definitions, and oversight

Trained users

Designed to measure the process of care & identify gaps in care

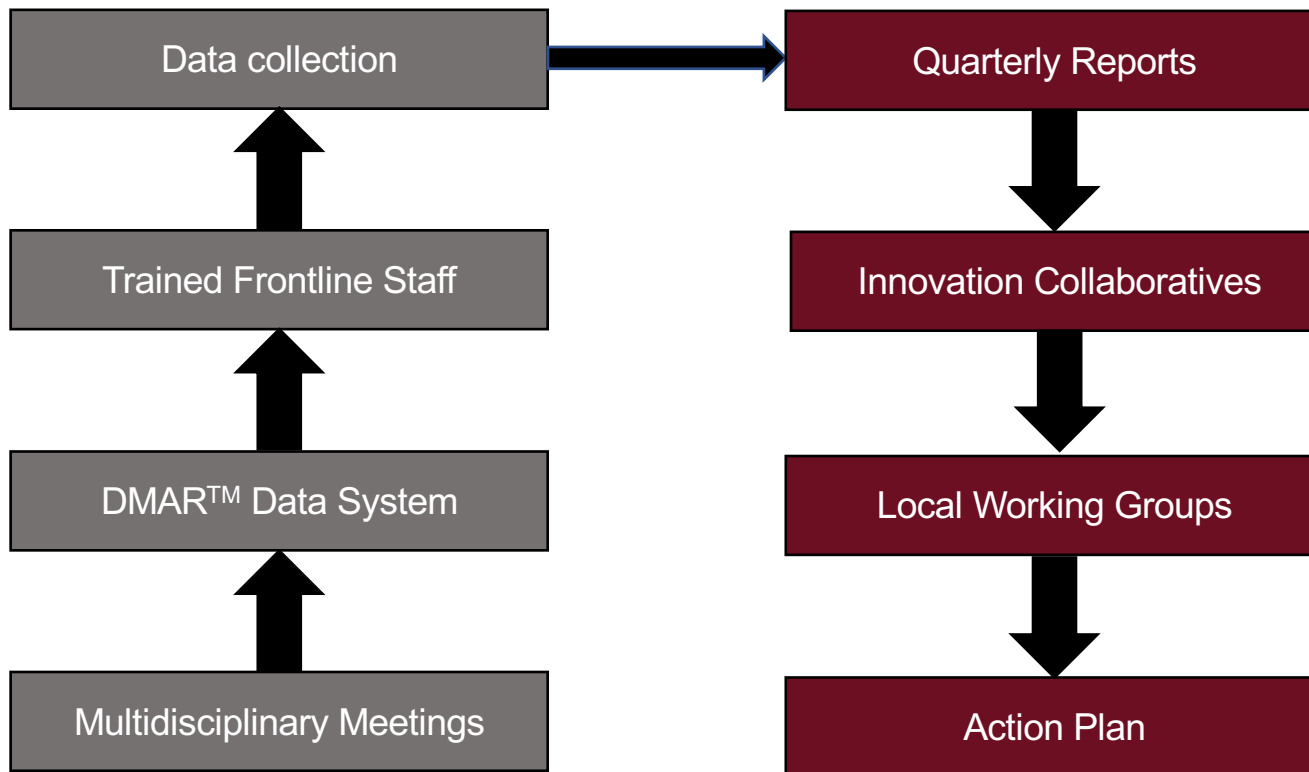
Inform the development of interventions to address them

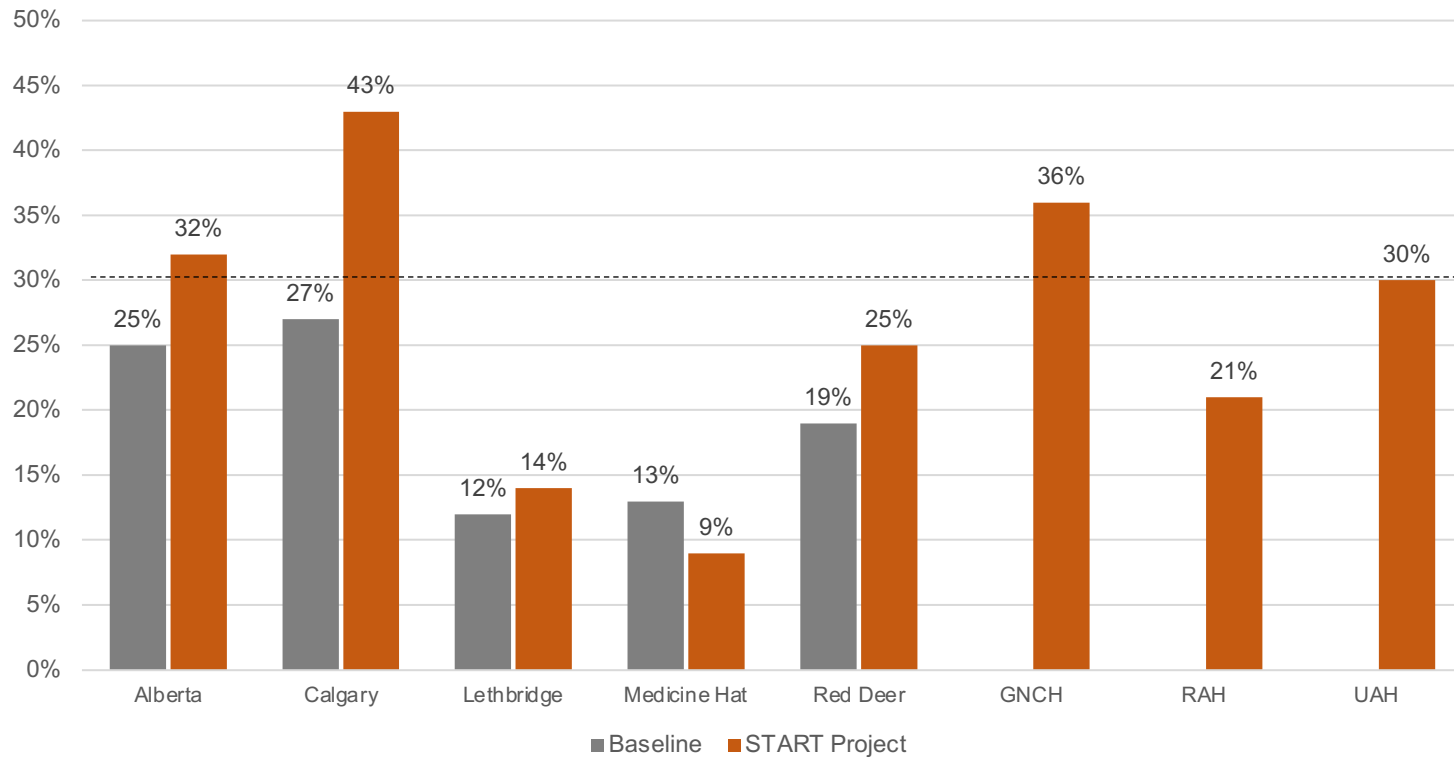
Measure to see if interventions work



Dialysis Information Management System, Canada, Patent, Approved 2,666,569







- ✗ Control funding
- ✓ Mandatory high-quality data collection
- ✓ Network of motivated individuals
- ✓ Promotion of home therapies
- ✗ Accountability

The “Blake Hypothesis”

PD utilization in context
Local nature of problems (and solutions)
Framework for complex problems
The right performance measure(s)
Focused, deliberate, high quality data
Characterizing and measuring process
Buy-in and accountability

Summary



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Dr. Ngan Lam

Dr. Pietro Ravani

Alix Clarke

All staff at participating sites in START project

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The Kidney Health Strategic Clinical Network

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