

# Background

- The transition from choosing to initiating HDTs is not clearly defined or standardized for patients and staff.
- This may cause increased anxiety and unaddressed self-management for CKD patients.
- At BC Renal, a "Transition to HDTs" guidebook (the Guide) was designed for patients to outline a stepwise approach to transitioning to HDTs, to help address some of these concerns (Figure 1).
- Assessment of this intervention required a structured and practical evaluation strategy.

### **Objectives**

• We aimed to use the Logic Model evaluation framework (Figure 2) to assess whether having a guidebook can improve patient and staff experience with transitioning to HDTs.

#### Methods

- The study ran over a 7-month period (Dec. 2018-Jul. 2019) at two pilot and two control sites.
- The intervention strategies included: 1)Training of front-line staff to use the Guide and 2) Dissemination of the Guide to patients.
- **Evaluation data** at baseline and at the 7 month point included: 1)% patient transitioned during study period, 2)Transition time between choosing and starting HDT, 3)Quantitative patient surveys, 4)Qualitative patient interviews, 5)Qualitative staff surveys, and 6)Structured feedback session with renal care staff.

### Outcomes

- 43 patients were enrolled in pilot sites, 65 in control sites; 19 completed the study in each group (Table 1).
- There was improvement in the % transition and transition time between pilot and control (Figure 3).
- Patients' anxiety, illness knowledge and activation of resources improved after PD/HHD training at both pilot and control sites (Figure 4).
- During interviews, patients confirmed that the Guide was effective and helped retain knowledge.
- The staff felt that it did not increase their workload, and was a good communication tool, however was used inconsistently.

#### **Questions?** Please contact:

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# Using a Logic Model to systematically evaluate an initiative to improve transition to home dialysis therapies (HDTs)

Pilot

64.57

41.86

60.47

43

30

13

12

PD

HHD

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### Figure 1. The Guide Steps 1-6 Summary

			_	
Inputs		Outputs		
Mobilized Reso	urces	Activities and Interventions/		
		Specific processes to measure		
<ul> <li>Staff (Multi-disci Team (MDT))</li> <li>Time</li> <li>Materials for act including creatir distributing liter</li> </ul>	iplinary ivities ig and ature	<ul> <li>Training of front-line staff to use the Patient</li> <li>Transition to HDT Guide (the Guide) with patients</li> <li>Qualitative pre -implementation survey of MDT</li> <li>Qualitative interview/feedback session with MDT 7 months post-pilot implementation (unstructured)</li> <li>Patient Transition to HDT Guide (the Guide) to support patients through the transition period from choosing HDT to initiating HDT</li> <li>% patients with HDT as planned modality who started on HDT</li> <li>% HDT starts as outpatients</li> <li>Mean length of time between first appointment at HDT orientation (where they receive the Guide – Step 1) and HDT start (Step 6)</li> <li>Mean length of time between Step 1 and PD catheter insertion (Step 4)</li> <li>Documentation of dates of each identified step of the Guide (Steps 1, 4 and 6) via an Excel tracking tool</li> <li># of patients that complete Step 1-6 with and without the guide (pilot vs control site)</li> <li>Qualitative pre-implementation interviews with patients who have initiated HDT to aid in Guide design (structured)</li> <li>Qualitative pre and post-implementation survey of patients who have chosen HDT at a pilot and a control site</li> <li>Qualitative post-implementation interviews with patients who initiated HDT, who have been given the Guide during their transition to HDT (pilot)</li> </ul>		Increased of with respect Increased of with respect Increased of with respect Improved a their transi <b>Dutcomes for P</b> Increase su patient tha HDT) Decreased PD cathete Decreased insertion to Overall dec choosing H 6) Improveme - Illnes confidence - Active acces
ASSUMPTIONS	(root cause anal	vses, prior learning/experience)	EXTER	NAL FACTOR
<ul> <li>The guide is a us</li> <li>Patients will be</li> <li>Patients will be</li> <li>The MDT staff w</li> <li>Guide with patie</li> </ul>	seful tool for imp interested in rea able to understa vill be reinforcing ents	roving patients' Transition to HDT ding the Guide nd the information in the Guide the key components of the - Actual them - Actual them - Adequ langua - Precor alterat - Worklo	<ul> <li>Actual number of patients wh during the study period</li> <li>Actual number of patients wh them</li> <li>Adequate health literacy to be language in the guide</li> <li>Preconceived notions and fea alterable</li> <li>Workload of staff may not pe topics in the Guide</li> </ul>	
OVERARACHING GOAL:Improve the patient experience in transitioning from choosing home dialys therapy to starting home dialysis therapy.				LOGIC M

Adapted from University of Wisconsin Extension Program Development and Evaluation resources: http://www.uwex.edu/ces/pdande/evaluation/evallogicmodel.html

#### Figure 2. The Logic Model Framework

Ste	ep 1	Ste	ер 6
;	Control	Pilot	Control
7	64.36	61.26	59.75
5	41.54	52.63	36.84
7	61.54	73.68	63.16
	65	19	19
		16	
		3	
		3	

#### **Outcomes**

omfort with patient counselling ct to transitioning to HDT nderstanding of patient journey ct to transitioning to HDT bility to support patients through tion to HDT

atients

- ccessful initiation of HDT (ie t chooses HDT actually goes on to
- transition time from choosing PD to insertion (Step 1 to Step 4)
- transition time from PD catheter starting PD (Step 4 to Step 6)
- reased transition time from IDT to starting HDT (Step 1 to Step
- ent in self-management skills s needs (knowledge/skill/
- ating resources (identifying and sing resources)

#### S (barriers/facilitators)

o go through the transition to HDT no read the Guide when given to able to read and understand the

rs about HDT that may not be

mit adequate discussions of the

ODEL DATE:

December 11, 2018



50

25

0



Training (Step 6)

Days from Pre-Transition (Step 1) to Pos

Figure 3. The % transition is higher (A) and the transition time is shorter in Pilot site patients (B).





a place of mind

JBC



## Conclusion

- The Logic Model was a successful evaluation tool for a large multi-intervention strategy to improve the transition to a HDT for our patients, which may be applicable to other complex healthcare system initiatives.
- The Guide may be helpful at reducing transition time and increasing number of transitions while improving patient anxiety and illness knowledge through improving communication between patients and health care providers.
- Future work is required to standardize the Guide's utilization.

# Acknowledgements

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