Patient Perspectives on Delivery of Drug Therapy Information and Renal Pharmacist Quality Indicator – Drug Therapy Problems (QI-DTPs)

Background

- Chronic kidney disease (CKD) patients have compl medication regimes = high risk of DTPs
- Consensus of renal pharmacist 17 QI-DTPs develop 2015/16 to improve renal pharmacy practice & patie
- Barriers and facilitators for renal pharmacist uptake QI-DTPs in practice identified in 2016/17
- Patient and family centered care are set as priorities initiatives by the Ministry of Health and Interior Hea Authority
- Patient input will inform the development of an inter promoting the uptake of QI-DTPs

Objectives

- To determine the type of information renal patients to make **decisions** about drug therapy
- To determine the type of medication-related inform renal patients would like to enable them to adher their medication regimen
- To obtain **patient input** on a previously developed renal pharmacist **QI-DTPs**
- To help inform the development of an intervention increase the uptake of renal pharmacist QI-DTPs

Methods

Design

Prospective, single center, qualitative study

Setting and sampling

- Kelowna General Hospital Renal Clinic
- Purposeful sample

<u>Inclusion</u>

- CKD patients: Stage 3, 4 and 5
- >1 of Diabetes, Hypertension or Cardiovascular dis

Data collection

- Semi-structured, 1-on-1 interviews in-person and pl using interview guide developed by study investigat
- Interviews transcribed by one study investigator

Data analysis

- Transcript-based thematic analysis
- Consensus of coding and themes for each interview





Interior Health

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	Results				Results			
plex	Table 1. Demographics		Table 2. Decision-Making Information & Sources		Table 4b. Input on QI-DTPs			
eloped in atient care	Characteristic	n = 10	Helpful	Utterances (Participants)		Example - Diabetes QI-DTP		
ke of ties and	Age (years)	70	Adverse Drug Reactions	16 (9)	In patients with above normal A1c, add medications to decrease A1c to prevent further damage to the kidneys			
ealth	Female	5 (50%)	Expected benefit(s)	14 (7)	High Priority	Priority Code Utterances		
tervention	Diabetes	6 (60%)	Administration of medication	9 (8)	Diabetes	Diabetes can damage	(Participants) 2 (2)	
	Hypertension	9 (90%)	Medication indication	8 (7)	n=4 (6)	my kidneys		
nts require	Cardiovascular Disea	se 5 (50%)	Unhelpful			Important to optimize blood glucose	1 (1)	
rmation ere to	CKD Etiology		Confusing terms High volume	8 (4) 4 (2)	Hypertension n=8 (9)	Slow progression of kidney disease	4 (4)	
	Hypertension Diabetes	1 (10%) 2 (20%)	Sources -				2 (2)	
ed list of	Multi-factorial	2 (2078) 6 (60%)	Physician	52 (9)	Prevention of CVD n =5 (5)	Previous adverse event	2(3)	
	CKD Stage		Pharmacist	46 (10)			A (A)	
on to	3	5 (50%)			Prevent CV event	1(1)		
S	4	3 (30%)	Pharmacy Handout	17 (9)				
	5 2 (20%)		Internet-Based	10 (6)	Limitations			
	Table 3. Information to Support				 1 in-person interview, 9 over the telephone Could not code portions of one interview Study timeline and recruitment limited number of participants Role of Patient advocate co-investigator had to be changed 			
	Adherence		Table 4a. Input on QI-DTPs					
	Barriers to Medication Adherence		Expectation of medications					
	Code	Utterances (Participants)	Code	Utterances (Participants)	Conclusions			
disease	Evening dosing	3 (3)	Slow progression	8 (8)	CKD Patients:			
	Enablers to Medication Adherence		of CKD		 Want to be involved in medication decisions 			
phone gators	Code		Better health / Improve Health	5 (5)	Information:			
	Knowing benefits	1 (1)	mprovorroann			erested in indication, mech		
014/	Additional information or discussion of benefits would not be helpful		General priorities or concerns		 expected benefits/risks and how to use their medication Medical terminology can be confusing Find high volume of written information unhelpful Additional information or discussion about benefits would not 			
iew			Code					
	n=9 #utt. 21		Decrease # of 8 (8)		help with adhere			
	"I don't miss medications because I		medications					
	don't have the information about how it works or anything, it's just that I have forgotten to take them		Optimize medication therapy	3 (3)	 QI-DTPs: High priority to patients based on their current medications Expect their medications to slow the progression of CKD and improve health 			
	completely"							