



# BC Kidney Days: BCPRA Update Oct 23, 2013

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**RAISING THE BAR:**  
Putting the Patient First



OCTOBER 18-19, 2012 • HYATT REGENCY HOTEL • VANCOUVER

*Compassion*  
IN KIDNEY CARE:  
FROM PATIENTS TO PROVIDERS



# Welcome to BCKD 2013!

## From patients to providers... the spectrum of kidney care

# Overview

- What is Kidney care in BC and the role of BC Renal Network
- Review of accomplishments
- Congratulations and New Faces

# BCPRA Vision and Mission

## Vision

- *An innovative, integrated health system resulting in outstanding care for patients living with kidney disease.*

## Mission

- *Integrating knowledge and practice for better kidney health*

# Core Values

## Patients

We are dedicated to improving the lives of people with kidney disease. Success is measured through patients' access to care, health outcomes and quality of life.

## Partnerships

We value and actively support partnerships with a range of institutions and organizations.

## Knowledge

Clinical, financial and administrative work is informed by the best available knowledge, research and evidence.

# Core Values

## Solutions

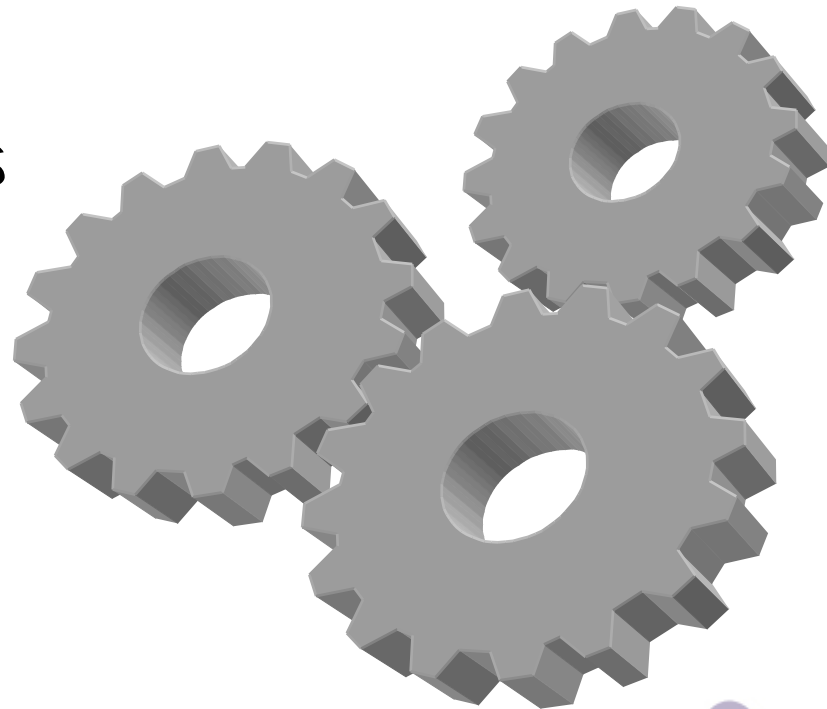
A nimble, streamlined collaborative network develops innovative solutions for clinical and systemic challenges and barriers.

## Flexibility

We strive to sustain a flexible, supportive and positive environment that fosters commitment and a sense of meaningful contribution.

# Inter-related strategies to improve patient outcomes

1. Public awareness
2. Professional education
3. Policy Influence
4. Care Delivery Systems
5. Research
  - Basic
  - Clinical
  - Outcome-based



# What is Kidney Care in BC?

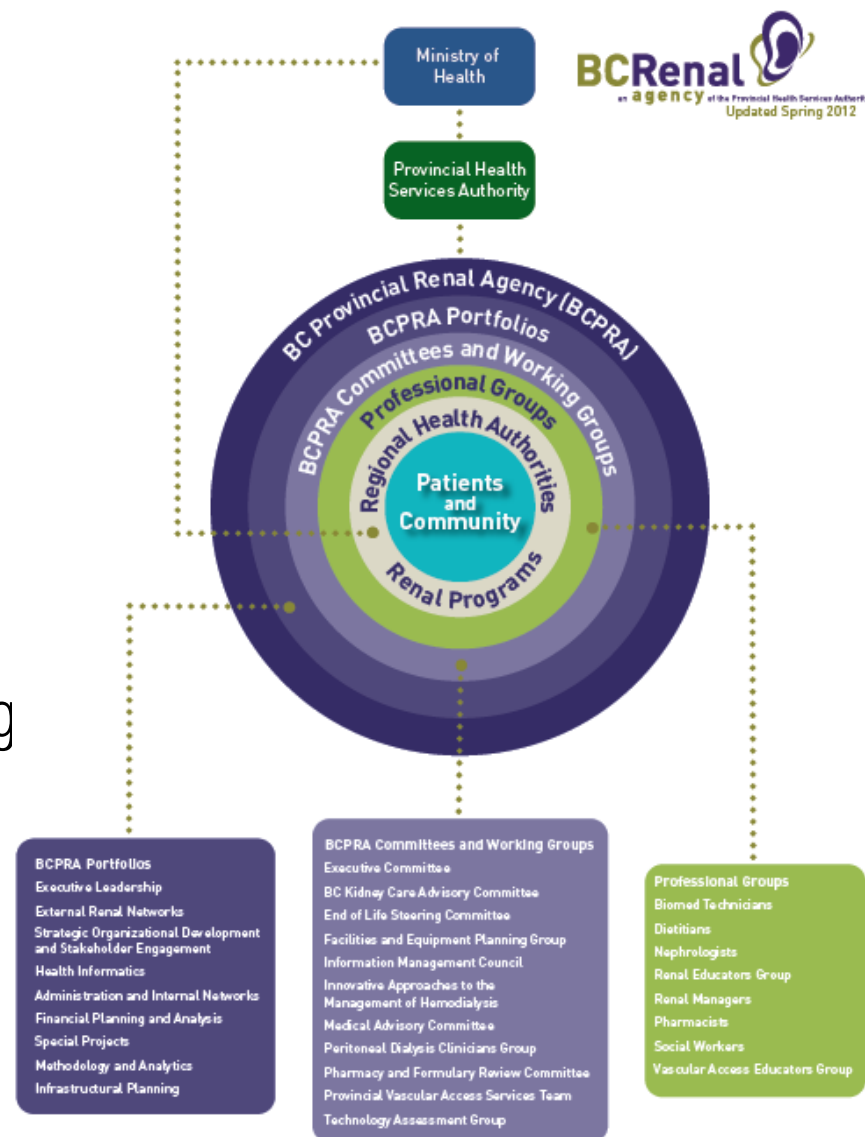
## Focused on:

- Patients first
- Optimal care
- System redesign
- Knowledge generation and application



# Form follows function: Patients are the raison d'être for BCPRA

- Patients at the centre of our organizational chart
- Health authorities have operational responsibility for delivery of programs
- BCPRA forms an overarching support for those programs, and is accountable to the PHSA and MOH for outcomes



# BCPRA & BC renal care service delivery model

- Unique in Canada and internationally
- Key Objectives:
  - Improve patient outcomes and quality of life
  - Sound fiscal management/system sustainability
- Key Functions of BCPRA:
  - Planning for population health & growth
  - Developing provincial standards of care
  - Determining best methods of implementation
  - Managing system performance
  - Developing research strategy

# Why the Network Works

- Matrix reporting of HA renal programs to HA and BCPRA
- Protected renal care funding: \$163+ million annually
- Provincial contracts (and value add \$\$ for HAs)
- Dedicated information system: by us and for us
  - PROMIS
- Selection of metrics/KPIs by and for renal community
- Patient focused

# The problems: patient perspective

- Who, what, where and why?
  - Understanding the system and the options
- How can I stop the disease?
  - Delaying the progression of disease
- Why am I on these/ so many medicines?
  - Understanding Medications: Side effects and errors
- Why don't I feel well?
  - Improving Pain and symptom control
- How do I get to all my appointments and treatments?
  - Navigation and Transportation

# The same problems that face our patients, face clinicians and health care system

- Timely identification and referral
- Delaying progression of CKD
- Optimal dialysis modality selection and timing
  - Pre-emptive (vascular) access
  - Independent dialysis on modality of choice
- Timely transplant referral (managing wait lists)
- Continuity of care and transitions over time

# Solutions

- Understand disease processes
- Implement best practices
- Generate new knowledge
  
- Create systems and teams that address important patient problems

# Living the words...

## Patients First

- Activity Based Funding Model: \$ follow the patient
- Extended dialysis options expanding:
  - Home based
  - Facility-based nocturnal : dependent and independent
- Provincial education strategy:
  - applying principles of adult education

# Living the words...

## Optimal Care

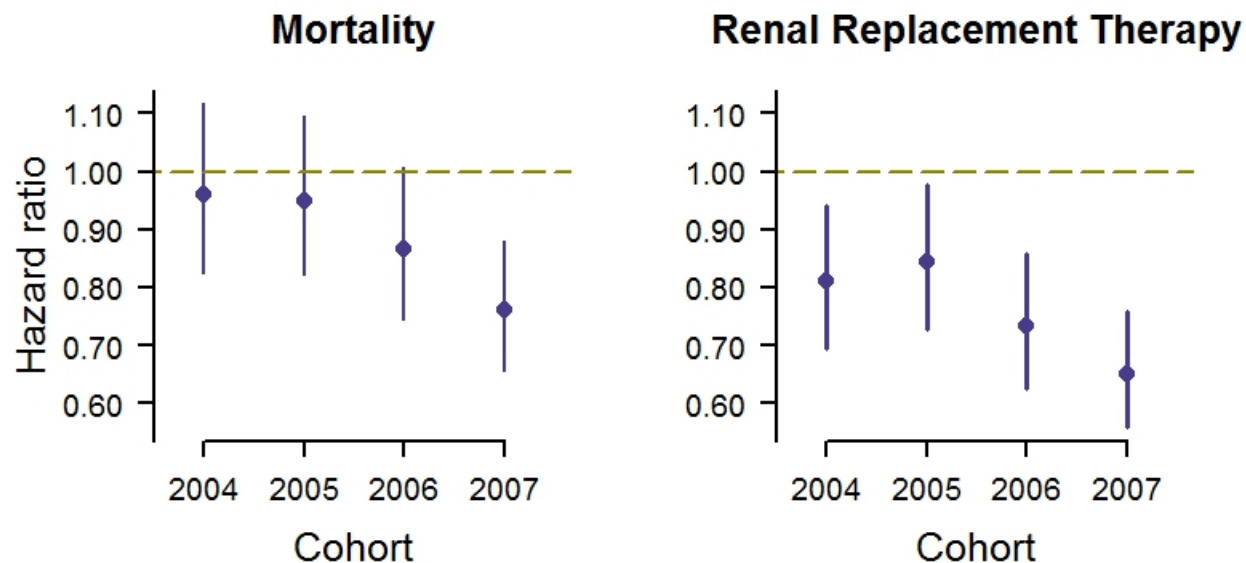
- Early identification and GP education
- Province wide protocols and strategies
  - Kidney Care Advisory Committee: Lab tests; teaching
  - Vascular Access
  - Modality selection and education



# Increasing Access to Care

Increase in kidney patients	2003	2013	Average increase per year	10-year increase
CKD / pre-dialysis	3293	12,575	15%	282%
Hospital-based hemodialysis	958	1,249	3%	30%
Community-unit hemodialysis	555	854	4%	54%
Home-based hemodialysis	20	107	32%	-----
Facility independent nocturnal hemodialysis	—	5	49%	—
Facility dependent nocturnal hemodialysis	—	48	82%	—
Peritoneal dialysis	571	853	4%	49%
Total dialysis	2,104	3,116	4%	48%

Over time, there has been a steady improvement  
in outcomes of BC patients : less progression to  
RRT and survive longer



Adjusted for eGFR at CKD initiation, uACR, age, gender and ethnicity

# Living the words...

## System redesign

- Shared care initiatives
- Integrated care systems
- Using telehealth

# Congratulations

## Penticton Integrated Health Centre

- Awarded the 2013 Golden Apple Merit Award for Collaborative Solutions
- Recognized for pilot project that brought community pharmacists onto the clinic's multidisciplinary renal care team



# Living the words...

## Knowledge generation and application

### *New initiatives*

- Foot care protocols and access to podiatry (FHA)
- Understanding ethnic differences in approaches to transplantation
- Assessing implementation of the End of Life framework
  - *ESAS use*
  - *ACP uptake*

# Research Themes

- Hemodialysis outcomes and vascular access
- Clinical practice and outcomes in CKD
- Health care policies
  - Global burden
  - Ethnic differences in outcomes
  - Models of care
- Transplantation
  - Unique circumstances, SES, obesity and ethnicity
- > 31 publications by BC Researchers 2013 thus far

# Regional Innovations

- Multiple quality improvement projects/initiatives across HA programs:
  - Value Add Funding (*see handouts in conference program*)
  - Posters at BCKD
  - [www.bcrenalagency.ca](http://www.bcrenalagency.ca) > For Health Professionals > Research



From projects focused on quality improvement and process redesign, to enhanced patient and staff education, value-added funds from provincial renal contracts negotiated by the BC Provincial Renal Agency (BCPRA) and Health Shared Services BC (HSSBC) improve care for patients and quality of work-life for renal care providers across BC.

Although a portion of these funds are used at the provincial level to support cross-provincial initiatives of the BC renal network, the majority is allocated to health authority renal programs to meet diverse needs at the local level.

At the provincial level, funds were used for

- **Nephrology fellows:** A key component of the BCPRA mandate is to support knowledge development through research and teaching, as well as succession planning within the broader renal network. One strategy to achieve this goal is the funding of administrative and/or research fellowships, primarily



From projects focused on new approaches to medication management to enhanced patient and staff education, "value-added funds" from a provincial contract negotiated by the BC Provincial Renal Agency (BCPRA) with Baxter Corporation improve care for peritoneal dialysis (PD) patients and quality of work-life for clinicians across BC.

While a portion of these funds are used at the provincial level to support cross-provincial PD initiatives of the BC

sodium sieving and optimal fluid balance, BC is pleased to once again host WCPD Days in February 2013.



# Provincial Initiatives: 2013

Initiative	Core Value(s)
Independent dialysis target achieved (>32%)	<ul style="list-style-type: none"><li>• Patients</li><li>• Optimal care</li></ul>
Provincial GN Network established (1 <sup>st</sup> in Canada)	<ul style="list-style-type: none"><li>• Patients</li><li>• Knowledge</li></ul>
PROMIS Modernization: Redesign	<ul style="list-style-type: none"><li>• Solutions</li></ul>
Continued cost savings from anemia management protocol implementation	<ul style="list-style-type: none"><li>• Knowledge</li><li>• Solutions</li></ul>



# Provincial Initiatives: 2013

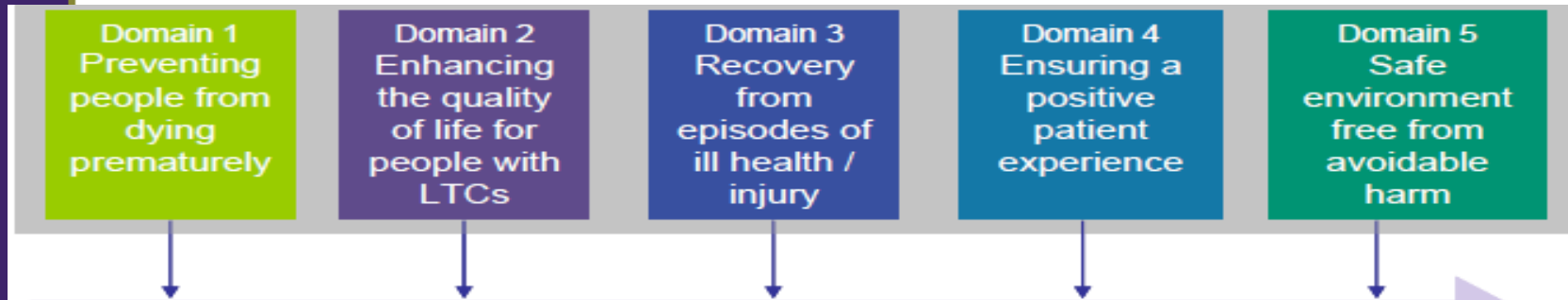
Initiative	Core Value(s)
Home-hemo NxStage pilot project to assess new dialysis technology	<ul style="list-style-type: none"><li>• Knowledge</li><li>• Patients</li></ul>
PD Assist pilot project: community links	<ul style="list-style-type: none"><li>• Patients</li><li>• Partnerships</li></ul>
Provincial purchase of dialysis machines for province-wide use through HSSBC	<ul style="list-style-type: none"><li>• Partnerships</li><li>• Solutions</li></ul>
CKD education day for GPs ( with Kidney Foundation of Canada BC Branch)	<ul style="list-style-type: none"><li>• Partnerships</li></ul>

# Provincial Initiatives: 2013

Initiative	Core Value(s)
Launch of revamped BC Renal Agency website: patient and provider materials	<ul style="list-style-type: none"><li>• Flexibility</li><li>• Solutions</li></ul>
BCCH develops clinical pathway for children with nephrotic syndrome	<ul style="list-style-type: none"><li>• Patients</li><li>• Knowledge</li></ul>
First Nations Health Authority and PHSA/PRA telehealth for CKD care pilot	<ul style="list-style-type: none"><li>• Patients</li><li>• Solutions</li><li>• Flexibility</li></ul>



# Ongoing activities



- CKD identification and treatment
- Improved dialysis and transplant treatments
  - Independent dialysis
  - Steroid free transplant regimens
  - Increasing the donor pool
- Funding model and support for chronic disease
- Education and patient safety initiatives
  - Translated, pt focused materials
  - Medication reconciliation
  - Vascular access initiatives
- End of life and advanced care planning

# The Present and Future

- Improving patient access to new drugs and therapies through participation in clinical trials
  - PEXIVAS
  - GN studies
  - PreCLOT (TPA)
  - Tx studies
- Improving data accuracy to help decision making
  - PROMIS modernization
  - eHealth Strategy

# Challenges: Sustainability of...

- Environments
- Kidney function
- Health care services
- Research activities
- Educational activities
- Partnerships
  - ✧ Industry
  - ✧ Governments
  - ✧ Collaborators



# Sustainability and renewal: People

## *PRA supported Fellowships 2013-14*

- **Clinical Fellowships** - support of UBC training program
- **Administrative Fellowships** (full and part time)
  - Dr. Cliff Lo (Improving access & appropriate use of meds in CKD)
  - Helen Chiu (Quality Academy and EOL initiatives)
- **Clinical Renal Transplant Fellowship**
  - Thida Myint (starting April 2014)
- **Special Home Dialysis Fellowships** (1 yr program)
  - Teerawat Thanachayanont (completed spring 2013)
  - Sunita Nair (completed summer 2013)
  - Penny (Morgan) Hill (starting March 2014)

# Welcome & Recognition of Nephrology Trainees

## Adult Nephrology

### Core Training Neph Fellows

- Rupinder Dhillon (Y2 Nov 2013)
- Tasleem Rajan (Y2)
- Elene van der Merwe (Y1)
- Mike Bevilacqua ( Y1)
- Yangmin Zeng (Y1)

## Pediatric Nephrology

Nick Larkins

Eman Nooreddeen

Bikramjit Grewl

Alanoud Alshami

### Advanced Trainees :

Katrina Chau

Holly Hutton

### Clinical Fellows Transplant

Sobhana Thangaraju

Thida Myint (starting April 2014)

# Welcome & Recognition of Nursing Graduates

## CNeph(C) Graduates

- Allan Abellanoza
- Anna Lyn Delfino
- Daniel Dubenko
- Deana Verkerk
- Debra Fairhurst
- Delcy Harmitt
- Julia MacDuff
- Lori Dornan
- Milka Ogwenno
- Mohammed Al Haj Hassan
- Nathaniel Roxas
- Neil Penalosa
- Sandra D'Souza
- Wen Mei Zou



# Welcome New Nephrologists

- Anurag Singh (Northern Health)
- Bradford Strijack (Fraser Health)
- Sean Barbour (Providence/Vancouver Coastal)
- Rupinder Dhillon ( IHA: Trail)
- Vanbric Casilla ( IHA: Kamloops)
- Kathryn Scobie ( IHA: Kamloops)

# Thank you to those who you do not see

- PROMIS team
  - Classic PROMIS
  - Modernization team
- Statisticians and Methodologists
  - Quality
  - Accountability
  - Research
- BCPRA Administrative Staff

# The BC Renal Network: What we do

- Focus on patient outcomes
- Focus on knowledge translation
  - What we know  $\Rightarrow$  what we do
  - What works in the real world
- Focus on creating systems which optimize outcomes

# Challenges: Diversity of...

- Culture
- Resources
- Access to care
- Access to education
- Perspectives



# Thank you for your energy and commitment to people living with kidney disease

- More than 300 people are actively involved in the BC renal network
- These people participate on one or more BCPRA committees and professional groups
- The BCPRA is us, working together !

# *Compassion*

IN KIDNEY CARE:  
FROM PATIENTS TO PROVIDERS



Enjoy the  
conference!

