



Nephrology DAYS 2008

October 2-3
Renaissance Vancouver
Hotel Harbourside



Expand
our horizons

Explore
our relationships

Excel
in patient-centred care



BC Provincial Renal Agency Update

Oct. 2, 2008

*Dr. Adeera Levin,
Executive
Director*



BC Renal Agency
An agency of the Provincial Health Services Authority

Overview

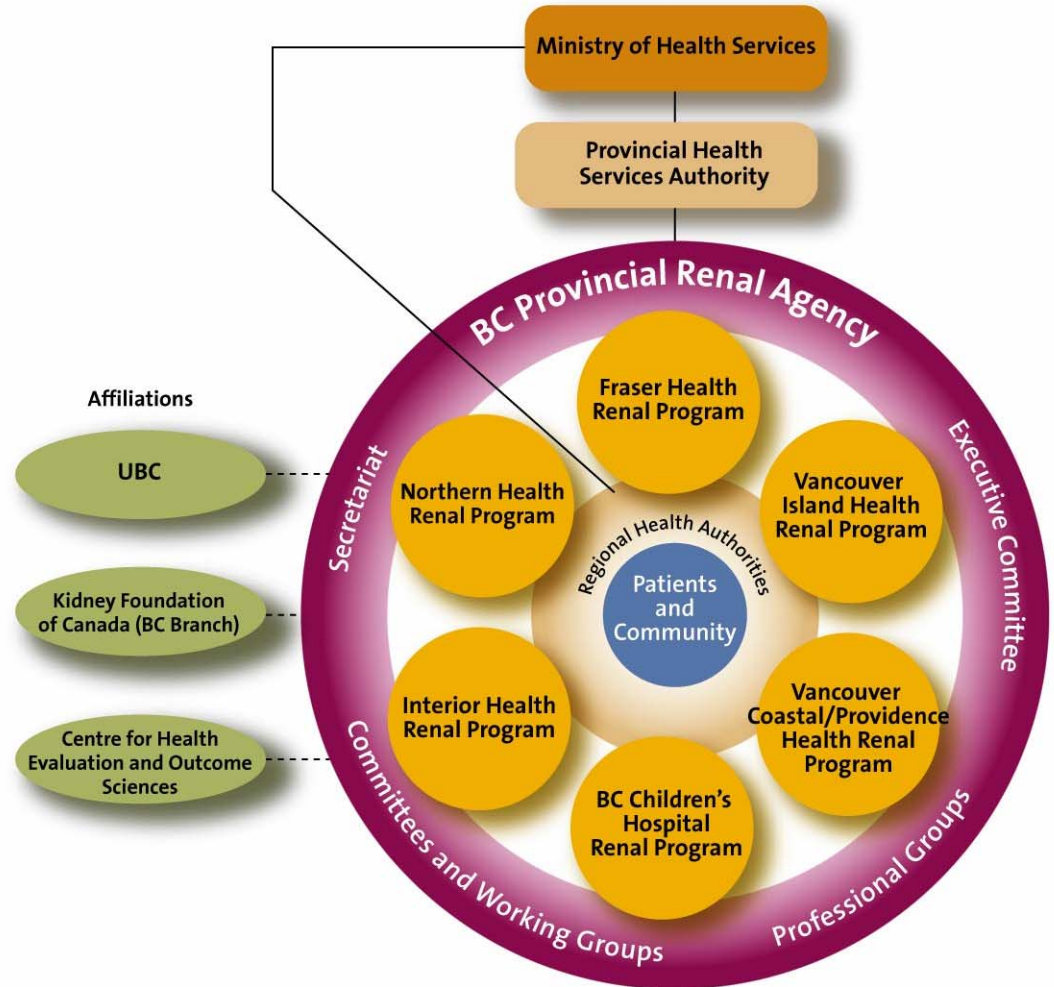
- BC Renal Care Structure
- A Track Record of Success
 - Supporting Improved Care and System Sustainability
- Highlights from Past Year
 - Provincial and Regional
- New Strategic Plan
- New Faces



BC Renal Care Structure

- “Virtual” provincial agency
- Health Authority Renal Programs
- Formal Committees & Working Groups
- Professional Groups
- Formal collaboration with UBC, CHEOS, MOH, Kidney Foundation and others

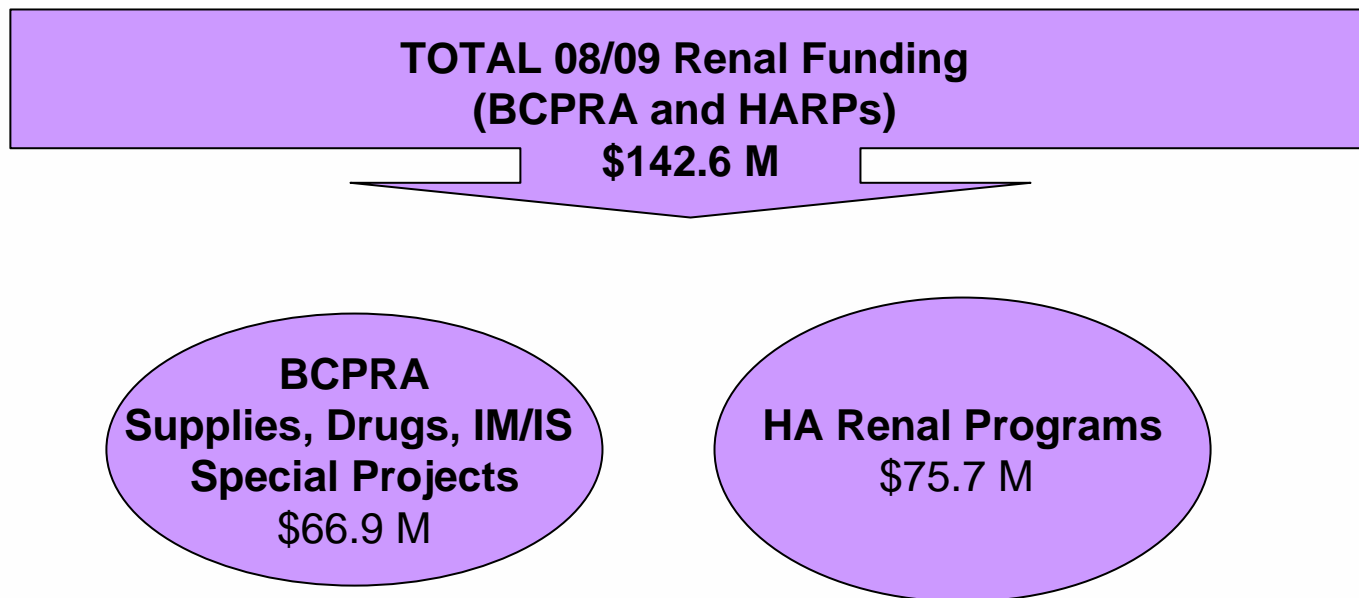
BC Renal Networks



At a Glance: Financials

Combined Centralized/ Decentralized Funding Model

- BCPRA is **accountable** for entire provincial renal budget, in partnership with HA renal programs



Big Challenges/Big Expectations

- Stretched HC system with limited human and financial resources continues to experience multiple pressures
 - aging population
 - increasing rates of chronic diseases (diabetes, kidney and heart disease)
 - increasing costs of technologies and drug therapies
- These challenges are driving need for a greater emphasis on:
 - outcomes evidence/improved patient care
 - efficiencies/innovation in care delivery
 - pharmacoeconomic analysis



A Track Record of Success

- Renal care community has proven track record for:
 - improvements to patient outcomes/quality of life
 - emphasis on system sustainability/best use of health care resources



A Track Record of Success:

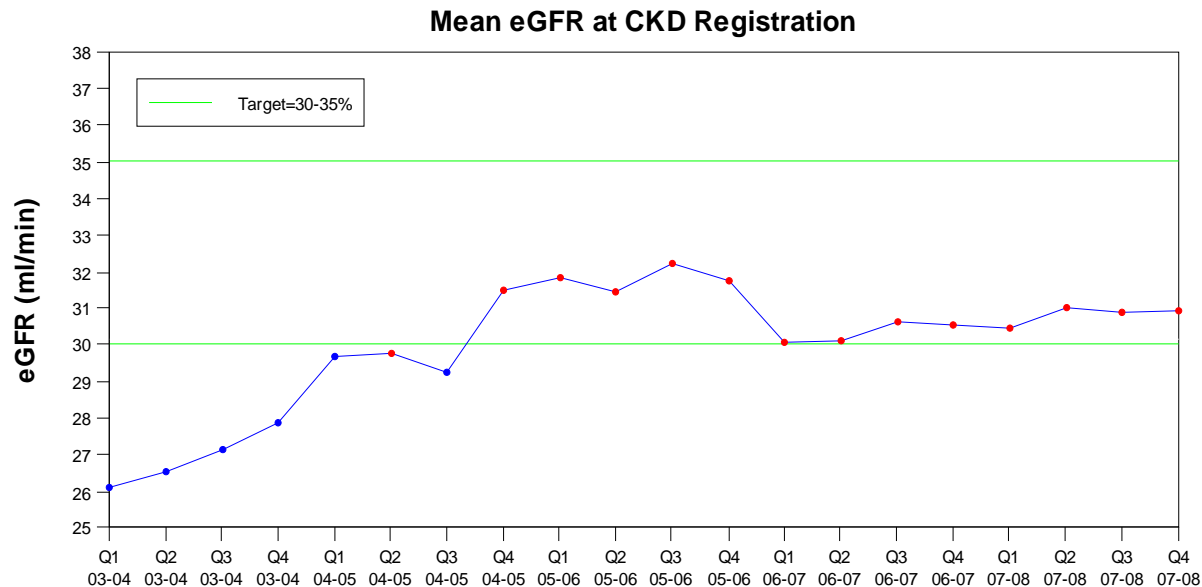
Increasing access to care

- Increased access to care; supporting early treatment, independent options
 - Since 2001:
 - number of CKD patients increased by 372%
 - number of PD patients increased by 34%
 - number of HHD patients increased by 68% per year, or 836% total (note: based on small base #s)
 - number of HD machines increased by
 - 53% in 21 community dialysis units
 - 32% in hospital-based dialysis units



A Track Record of Success: *BC leading Canada*

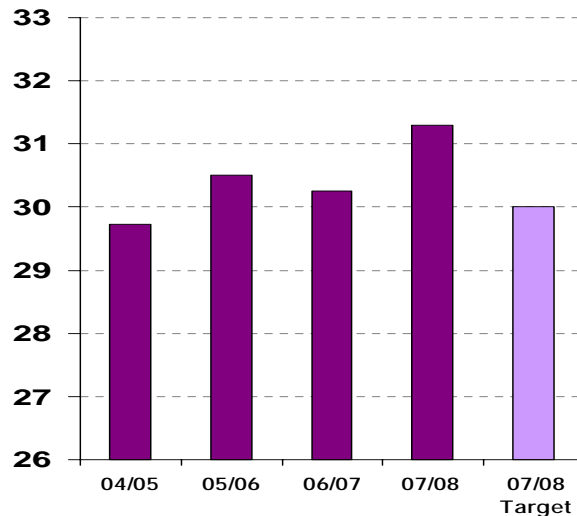
- **Early ID and treatment** appears to be of benefit
 - Province wide strategies have contributed to reduced growth of dialysis (3% in 07/08 versus 5% in 06/07)
 - represents a cost avoidance of \$3.2 million from 06/07



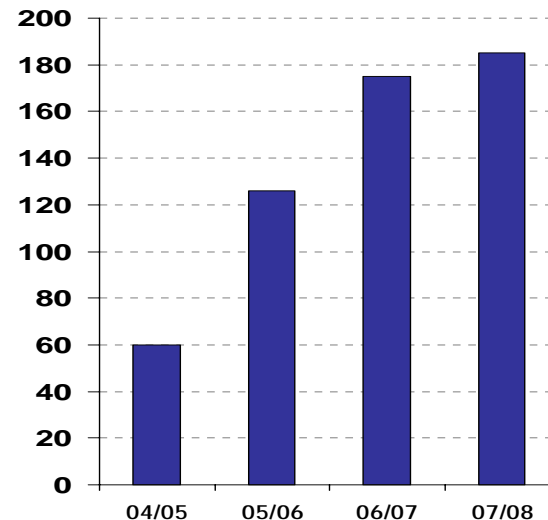
A Track Record of Success: *BC leading Canada*

- Independent care :
 - leading nationally re: PD uptake rate; FHA 32%
 - the only province-wide independent HD program in Canada
 - IHA increased HHD x 3 fold
 - positive pt health outcomes and lifestyle benefits
 - financially sensible: e.g. cost avoidances ~ \$1M over 5 years;

Percentage of patients on independent dialysis (Home HD or PD)



Number of patients participating in Home HD



A Track Record of Success: *Evidence-based practice; Closer to home*

- **Capacity created by independent HD program and expansion of PD in residential care represents equiv of seven dialysis units**
 - **cost avoidance: \$26 million in capital funding and approx \$425,000 in annual facility operating costs**
- **Leveraged opportunities for cost savings through provincial contracts (meds, nutritional supplements, dialysis supplies)**
 - **value add rebates - \$5.9 million in 2007/08**
 - rebates offset cost of overall renal budget
 - portion of funds distributed to HA renal programs to fund CQI initiatives, educational opportunities (See insert in delegate package)

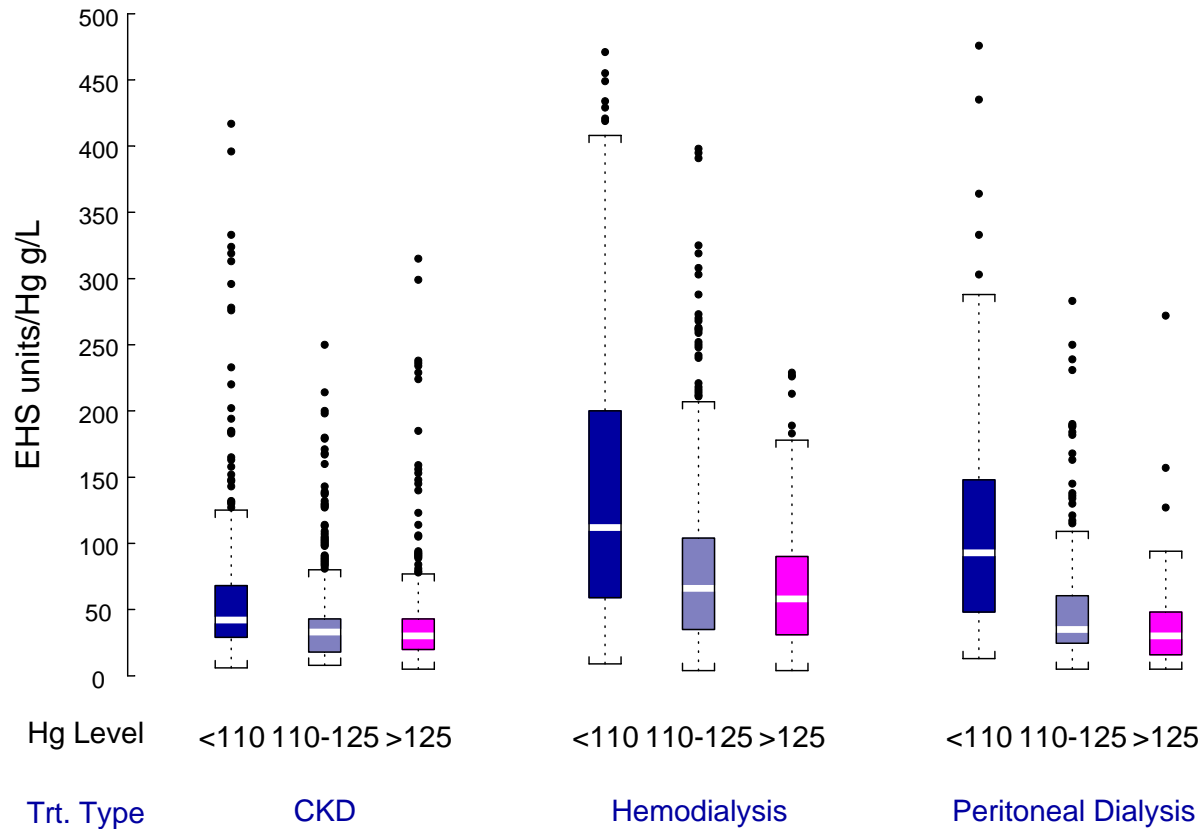


A Track Record of Success: ***Best practices and fiscal responsibility***

- **Managing increasing costs of drugs**
 - **\$29 million annual renal drug budget,**
 - **\$22 million spent on ESAs**
 - **implementation of anemia management protocol across programs resulted in:**
 - **reduced medication dosages with same clinical and patient outcomes**
 - **savings of approx \$1.72 million in 07/08, despite growth in patient volumes**



A Track Record of Success: *ESA dose to Hb achieved: understanding variation*



A Track Record of Success:

Patient safety and innovation

- **Medication reconciliation initiatives being implemented across HA renal programs; support from PROMIS/BCPRA**
 - lead by VIHA
 - improved patient safety across the continuum of renal care
 - All CKD patients at greater risk for adverse drug reactions due to concurrent conditions, numerous medications at varying doses, frequent changes in medication regimen
 - to our knowledge, this is the first med reconciliation initiative designed specifically for chronic outpatient care in BC, if not the country



Highlights:

Funding and independent care

- **BCPRA continues to advocate to MoHS for increased renal capital funding**
- **Building on foundation of indep dialysis care model (PH & HD – approx 31% of patients BC-wide)**
 - **two PD workshops**
 - **Advancing PD in residential care**
 - **PD: A Great First Choice**
 - **increased focus on facility-based indep HD options**
 - **Prince George independent dialysis unit open (6-1 ratio)**
 - **VGH nocturnal program to open in November**
 - **electronic charting**



Highlights:

Vascular access and pharmacy partnerships

- **Vascular Access Services**
 - continued development of provincial guidelines, tools; tracking indicators
 - See www.bcrenalagency.ca
- **Community Pharmacy Partnership Program**
 - renewed and/or awarded new 3-year contracts to 31 community pharmacies
 - unique program provides close-to-home service
 - ensures consistent approach to patient care
 - opportunity for pharmacists to get involved in specialist care



Highlights: Information systems

- **PROMIS Improvements**
 - **user training/support**
 - increased the hours of PROMIS help desk & developed rapid response strategy; expanded training program; new online training manual
 - **increased analytical team capacity**
 - **reporting capabilities improved and expanded**
 - Patient clinical summary
 - Designer/flexible reports
 - **vascular access modules created**
 - **comorbidities module redesigned**
 - 90% of patients have assessment in PROMIS
 - **medication reconciliation tools and tutorial developed**
 - **data management improvements**
 - developed set of reports and procedures to monitor data quality



Highlights: Moving forward with IMIS

- **PROMIS Go-Forward Strategy**
 - ongoing work to ensure PROMIS is aligned with prov and nat'l e-health strategies and e-health legislation
 - investment in hardware and software server support to ensure PROMIS operation environment is reliable and robust
 - active role on the PHSA Information Management Council
 - opportunities to leverage the role and scope of PROMIS through early adoption of business improvement tools and participation in data warehouse strategies
 - **Renal Information Management Council (Oct '08)**
 - forum for BCPRA and HA renal programs to jointly identify IM/IS issues and prioritize needs



BC Renal Agency Balanced Scorecard

Highlights: Accountability and transparency

Use of balanced scorecard; developed HA- specific versions

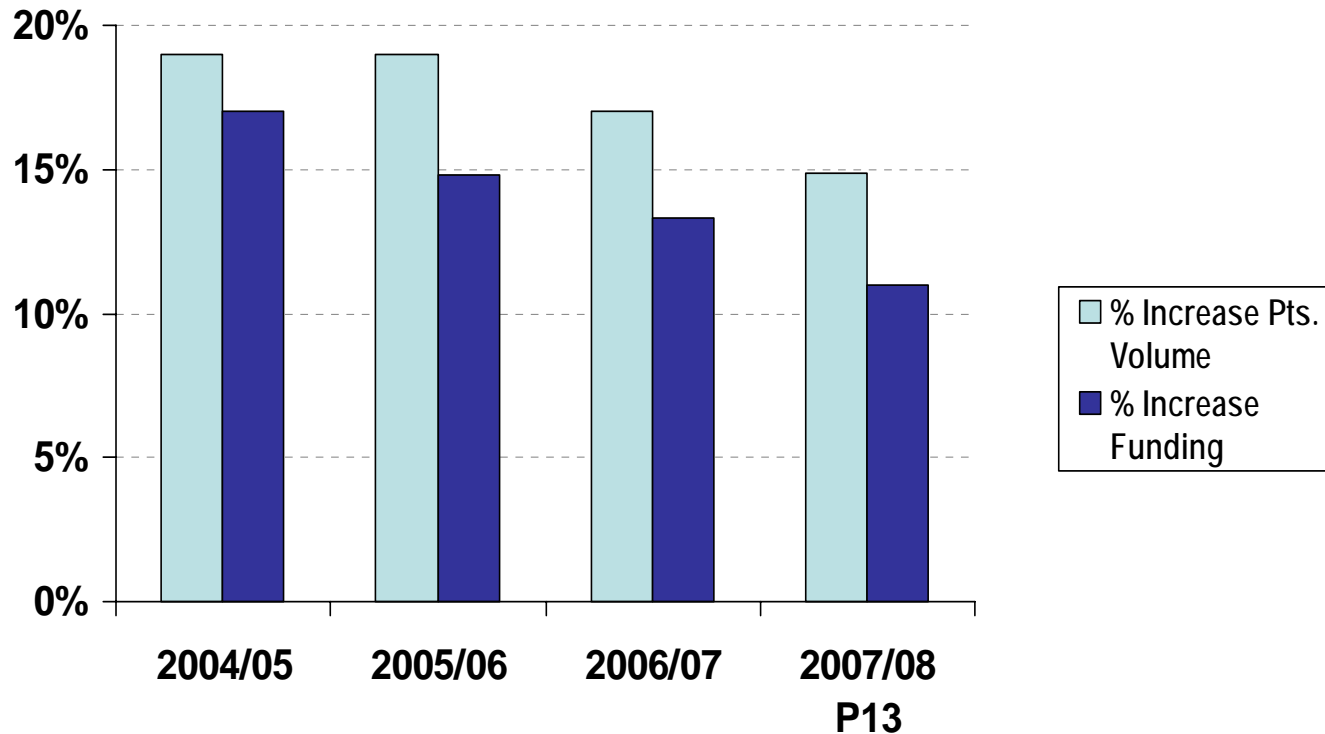
- comprehensive approach to track clinical, financial and HR indicators at provincial and HA levels

	Priority Strategies	Indicators	Status ¹	Trend ²	Target	Actual
Clients, Patients & Community	EFFECTIVENESS:					
	<ul style="list-style-type: none"> Define patient outcomes that rely on integrated services and work with HAs to ensure the best patient and health care system outcomes. 	1. One year patient survival rate on dialysis	●	→	≥ 80%	85%
	ACCEPTABILITY:					
		2. Patient satisfaction	●	N/A	≥ 75%	78%
Service Coordination & Delivery	WELLNESS:					
	<ul style="list-style-type: none"> Assess education and training needs of professionals, caregivers, and patients with kidney disease and ensure resources and plans are implemented to meet those needs. 	3. Percentage of patients participating in independent dialysis* (PD and home-based HD)	●	↑	≥ 30%	31%
	QUALITY OF LIFE:					
	<ul style="list-style-type: none"> Expand and enhance province-wide independent care model for dialysis. 					
Service Coordination & Delivery	CONTINUITY:					
	<ul style="list-style-type: none"> Improve integration of services for kidney patients within each HA through an increased understanding of the linkages and inter-relationships between acute care services, community services, and primary health care. Build on strength of now established Health Authority Renal Programs. 	4. Level of kidney function (median eGFR) at time of CKD registration	●	→	30-35 mL/min	31 mL/min
	AVAILABILITY & ACCESS:					
	Planning for capacity to meet CKD care needs.	5. Occupancy rate by dialysis unit setting	●	N/A	80% ± 5%	78%
	SAFETY:					
		6. Number of catheter-related infections per patient month (HD and PD)	●	N/A	< 0.08 / PD mo; < 0.25 / HD mo	0.05 / PD mo; 0.13 / HD mo
Service Coordination & Delivery	APPROPRIATENESS:					
		7. Percentage of patients within Anemia Management Protocol target	●	→	≥ 70%	75%
	EFFICIENCY:					
	<ul style="list-style-type: none"> Continue to facilitate medication best practices across BC renal care community for an estimated cost savings of 5-10% of current renal drug budget. 	8. Percentage of patients with optimized drug dose per unit of hemoglobin achieved	TBD	TBD	TBD	Mdn: 35-150 units/g/L
Learning, Growth, & Innovation	ACCURATE & VALUABLE INFORMATION:					
	<ul style="list-style-type: none"> Continue to modify and implement a consolidated renal/chronic disease data management system (PROMIS). 	9. Percentage of patients with comorbidity assessment available in PROMIS	●	↑	≥ 80%	73%
	NEW TECHNOLOGIES & WAYS OF DOING THINGS:					
	<ul style="list-style-type: none"> Ensure that education and research endeavors align to enhance care delivery and demonstrate accountability and fiscal responsibility, while ensuring state-of-the-art care for patients with kidney disease. 	10. List of new knowledge translation initiatives	●	↑	> 0	6
		11. Total funding for research and health outcomes initiatives	●	↑	> 0	\$87,000 \$500,000



Highlights: Accountability and transparency

Budget growth < population growth



Highlights:

External validation

- **PROMIS may be adopted by Manitoba Renal Programs**
 - E-health Manitoba Commission determined it will meet their needs
 - benefit to BC renal community: Cost recovery will support larger development team
- **Invited presentation to clinical leaders forum of Western Australia re: network model**
- **2007 and 2008 BCPRA funded administrative fellows: Dr. Monica Beaulieu and Dr. Paul Komenda**
 - MHA completion and awarded Robert Wood Johnson Award



Participating in the Community

- **World Kidney Day (March): Platform to increase public awareness**
 - events held across BC
 - coverage by over 20 media outlets
- **World Kidney Day 2009: March 12th**



Highlights: New e-newsletter launched

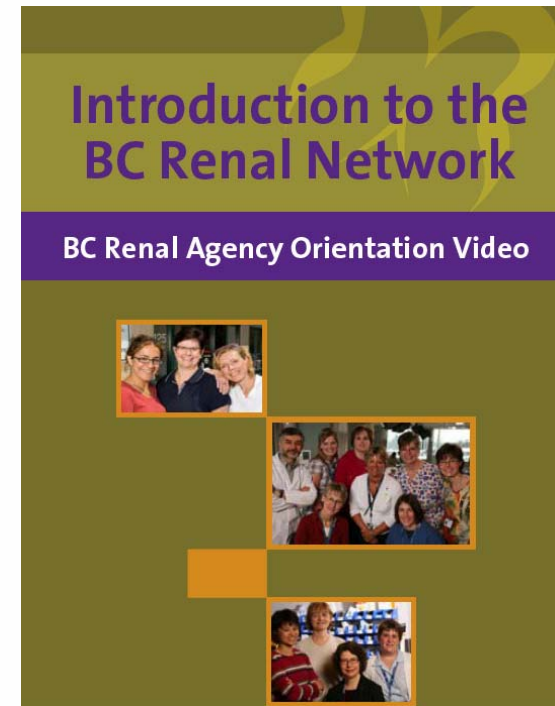
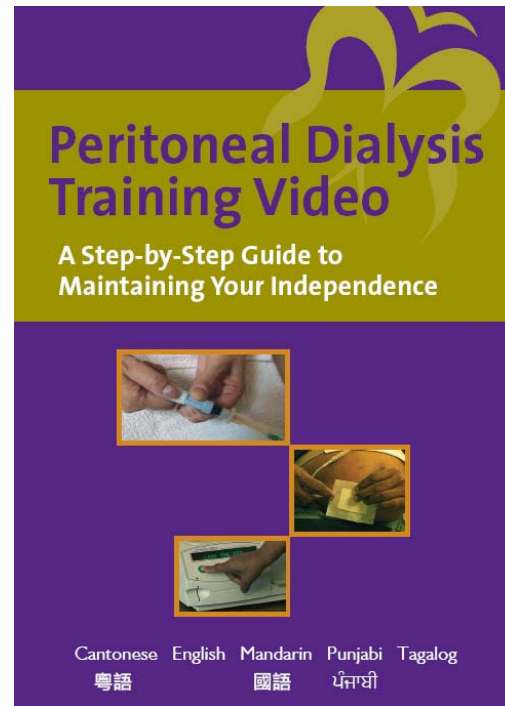
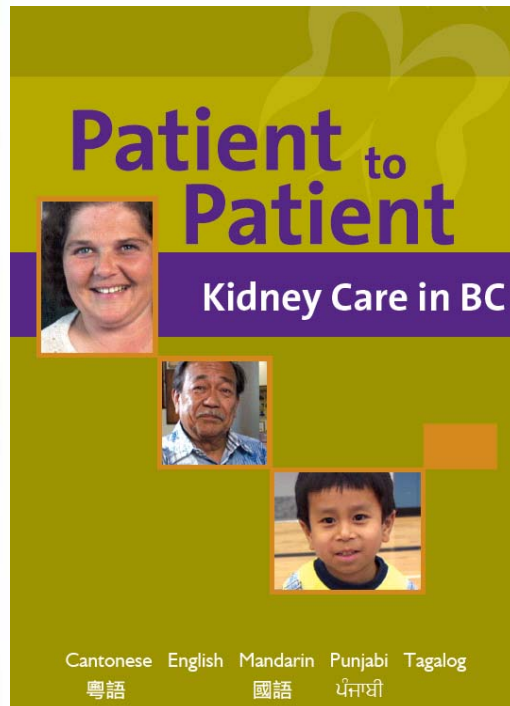
Bimonthly; for and about the BC renal care community
User-friendly; information rich; links to other information sources
Subscribe: www.bcrenalagency.ca

The screenshot shows a web browser window displaying the September edition of the Renal News e-newsletter. The page features the BC Renal Agency logo and the title "Renal News Working Together for Better Kidney Health". The main content includes a prominent announcement for "BC Nephrology Days: Three weeks and counting!" with a "Register Today!" button. Below this, there is a section for "New operations leader for Providence Health Care" featuring a photo of Ceclia Chow. A sidebar on the right lists various articles under the heading "IN THIS ISSUE", including "BC Nephrology Days: Three weeks and counting!", "New operations leader for Providence Health Care", "Financial insight", "PROMIS update", "Just developed: Health authority-specific indicator reports", "CKD guideline revision in the works", "Trust fund dollars support program improvements", "Pharmacy and formulary update", "Information-sharing benefits residential care PD programs", and "Renal Unit at new Abbotsford Hospital headed by Fraser Health nephrologists". There is also a "Kudos" section with a photo of a group of people and the text "Home hemodialysis numbers up in Kootenay Boundary". The browser's address bar shows the URL "http://www.phsnewsletter.ca/bcpa/View.aspx?id=1104648q=871776488qz=bf1182". The Windows taskbar at the bottom shows the Start button and several open applications, including MetaFrame, BC Provincial Re..., September ed..., and Microsoft Office.



Highlights: BCPRA launches videos online

- 3 educational DVDs now available online (in English; other language versions to follow)
- DVD copies can still be ordered using the online order form
 - www.bcrenalagency.ca/ For Patients



Looking Ahead: New BCPRA strategic plan provides direction & focus

- **Revised mission and values within the context of environmental scan**
- **Four key priorities**
 - ensure provision of effective and cost efficient kidney care
 - support evidence-based decision making
 - strengthen the kidney care continuum
 - support and enhance the vibrant renal network



Strategic Plan Provides Direction and Focus

- **New focus on organizational capacity**
 - three enabling strategies
 - our people
 - our information management/information systems
 - focus on communication
- **Reviewed mandates and work of all network committees and working groups**
 - groups to develop annual business plans
- **Ensured alignment with HA renal strategic plans**
 - Sept Executive Committee meeting



Your Contribution Makes a Difference

- **BC is only place in North America that offers a fully coordinated system of care for kidney patients**
- **No matter where a patient lives in the province, he/she has access to same level of care and a variety of treatment options**
- **Patients with kidney disease in BC have better health outcomes than patients with the same disease elsewhere in Canada**



Welcome Nephrology Fellows/ Clinical Scholars

Research Fellows

- Mhairi Sigrist (RDN)
- Giusy Chiarelli (MD)
- Jennifer Hanko (coming from Ireland)
- Catherine Weber (MD)

Clinical Fellows (2nd yr)

- Michael Schachter
- Henry Wong
- Raj Narayanan
- Anas Al Yousef
- David Prchal

New Clinical Fellows (1st yr)

- Sean Barbour
- Myriam Farah
- Cori Gabana (Jan '09)
- Bradford Strijack

Pediatric Fellows (2nd yr)

- Cherry Mammen
- Khalid Al-Hasan

New Pediatric Fellows (1st y)

- Rob Humphreys
- Chanel Prestidge (July '08)
- Abullah Al-Abbas (Oct '08)
- Salma Al-Ajarmeh (Oct '08)



Welcome New/ Almost New Nephrologists

- **Monica Beaulieu**
- **Jag Gill**
- **Olwyn Johnston**

- **Daniel Schwartz**
- **Charles Constantine**
- **Elliot Chum (Nov1)**



THANK YOU GERRY!



Thank you for your energy and commitment!

- **Approximately 200 people are actively involved in the renal network**
- **They participate on one or more BCPRA committees and professional groups**
- **The BCPRA is all of us!**



Breakout Sessions

- **Break out sessions**
 - 2:00 – 5:00 p.m.

- **Wine and Cheese Reception (Vista Room, 19th Floor)**
 - 5:30 – 7:30 p.m.





Nephrology DAYS 2008

October 2-3
Renaissance Vancouver
Hotel Harbourside



Expand
our horizons

Explore
our relationships

Excel
in patient-centred care



Enjoy the conference!



BC Renal Agency
An agency of the Provincial Health Services Authority