

Vascular Risk Reduction Project

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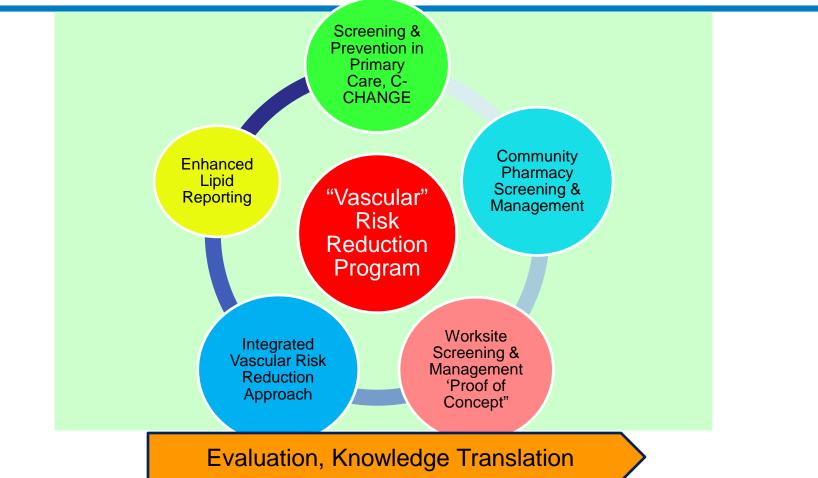


Goals: VRR and Enhanced Lipid Reporting

The goal	Short term – \checkmark vascular risk of Albertans by identifying and managing unrecognized risk factors and improving management of risk factors that are diagnosed but not managed to target Long term - \checkmark vascular disease, (and other chronic disease) death and disability in Alberta		
The Method	A series of projects in an integrated program of vascular risk reduction		
The Partners	CvS, ODN, Ca, AMH, Respiratory and Seniors SCNs Alberta Health, TOP, U of C, U of A, partner organizations Collaborative Committee & 6 Working Groups Co-Chairs: Drs Todd Anderson and Norm Campbell C-CHANGE Co-chairs: Drs P Smith & L MacDougall		



Vascular Risk Reduction Program





Screening & Prevention: Primary Care

September/October 2014

Alberta Screening and Prevention

Maneuver of the Month - Diabetes

Which TEST BEST ?

The ASaP Maneuvers Menu states that all healthy adults aged 40 and over should be screened every three years for diabetes, using one of three screening options: Fasting Glucose, Hemoglobin A1c, or a Diabetes Calculator.

Why are there choices? What one is right for your patients? The answer -- it depends...

Read more »

Participant Newsletter

this issue

laneuver of the Month - Diabete ening & Prevention: you ARE saving

pcoming Events

Learn more

IR Resource

What's

New?

ooking for an interactive way to engage

low well are we assessing cardiovascula

· Calling all PCNs! Interested

for a Panel Workshop!

Next Panel Management

Training Session - Tuesday

Register now! This practical.

management basics. Learn

Screening & Prevention: you ARE saving lives!



Changing how we do things is never easy, but it's always heartening to hear that the work we're doing has a positive impact on the lives of patients

In a brief video - Dr. Shawn Webster and Suzie Mitchell, RN from the Vulcan Medical Clinic (Calgary Rural PCN) share two stories of patients whose lives have been significantly affected as a result of the screening processes implemented by the clinic -Watch the video -

Looking for an interactive way to engage patients about screening care?



Try our screening video quizzes! These short, video clips are intended to prompt patients to think about the importance of screening and

preventative care.

Click here » OP Feature - NEW on our ebsite

- Co-chairs: Drs Laura MacDougall & Pat Smith
- Implementation of C-CHANGE in primary care
- ASaP: Alberta Screening and Prevention
- Toward Optimized Practice (TOP) project secretariat; supported by Alberta Health & AMA
- 30 primary care organizations participating (PCNs, FCC, CHC)
- 380+ physicians, reaching over 440,000 Albertans
- Sample of 142 completed follow up chart reviews to date

Screening Maneuvers	% of Providers Who Selected	Average Baseline Provider Rate (Matched) N= 97 - 141	Average Follow-Up Provider Rate (Matched) N= 97 - 141	% Improvement	
Blood Pressure	99.7%	69.2%	83.2%	+14.0%^	
Plasma Lipid Profile	93.0%	76.3%	83.8%	+7.5%^	
Diabetes Screen	99.2%	77.6%	85.1%	+7.5%^	
Height and Weight	95.0%	45.7%	63.7%	+18.0%^	
Tobacco Use	93.6%	45.9%	66.2%	+20.3%^	
Assessment					
Pap Test	93.6%	65.7%	77.6%	+11.9%^	
Mammography	93.3%	68.1%	80.1%	+12.0%^	
Colorectal Cancer	87.7%	60.3%	71.2%	+10.9%^	
Screen					
Cardiovascular Risk	78.2%	19.9%	26.3%	+6.4%	
Calculation					
Exercise Assessment	78.7%	26.2%	46.6%	+20.4%^	
Influenza Prevention	69.2%	9.2%	25.7%	+16.5%^	
Alcohol	81.2%	30.2%	55.3%	+25.1%^	
Avarage Provider Score is the "by manauver" screening rate for each provider					

Average Provider Score is the "by maneuver" screening rate for each provider averaged for all providers

^ = statistically significant

Overall Screening Percentage Improvement

The overall screening percentage improvement is the aggregate of all 12 maneuvers:

Overall Baseline Screening Percentage	Overall Follow-Up Screening Percentage	Overall Improvement
46.7%	65.1%	+18.4%

Data as of November 24, 2014



Enhanced Lipid Reporting (ELR)

- Inclusion of cardiovascular (CV) risk and recommendations for therapy when lipid results reported back by laboratory
- CV Risk Framingham Risk Score (FRS)
 - 10 year risk of developing CV disease
- Guide diagnostic and treatment decisions
- Promote shared decision making with patients
- Pilot with *Chinook PCN* (Crowsnest Pass, Pincher Creek, Picture Butte, and Haig Clinic in Lethbridge) launched October 2014
- Demonstrate success in pilot before provincial roll out



Enhanced Lipid Reporting

- A laboratory-based solution for determination and reporting of CV risk
- Information required at point of order of lipid profile to calculate CV risk:
 - Smoker (Y/N)
 - SBP, DBP, BP Treated
 - Diabetes, CKD, atherosclerosis (Y/N)
 - Age (DoB)
 - Family history of premature CAD (Y/N)
- FRS (10 year CVD risk) reported back with lipid results; recommendations to consider therapy based on 2013 guidelines

02	Official		
CO2	Carbon Dioxide Content	END	00(
К	Potassium	CEA	Ca
NA	Sodium	CORA	Со
	LIPIDS	CORP	Со
LIP	includes Chol, HDL, LDL	EST	Est
	and Trig 🕞	FSH	Foll
CHOL	Cholesterol Only	LH	Lut
HDL	HDL Only	PROG	Pro
TRIG	Triglvocrides	PROL	Pro
C	D RISK ASSESSMENT	PSA	Pro
CLD	Cardiovascular Disease	HCGSER	Sc
Smoke	er Y N	TESTT	Tes
Systol	ic BP	TSH	Thy
Diasto	lic BP	T4F	Th
BP Tre	ated Y N	T3F1	T3

Diabetes, CKD, atherosclerosis Family history, Age



Expected Impact and Outcomes

- ↑ in % of patients who are prescribed statins according to CCS 2013 lipid guidelines
- ● ↑ in % of patients who achieve target LDL-C (in moderate and high risk: LDL-C

 reduction)
- In % of lipid panels reported with FRS within participating practices.



Enhanced Lipid Reporting Activity

- First month: 155 risk profiles completed by 20 primary care physicians
- Required information for FRS collected on lab reqs with no errors or missing information
- Interim evaluation planned for January 2015; final evaluation April 2015

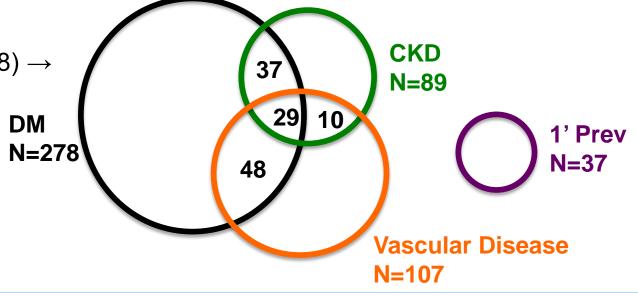






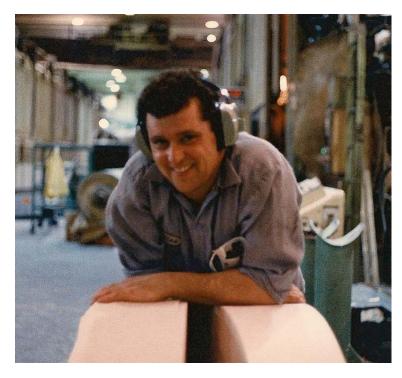
Screening & Management: Pharmacy

- Chairs: Drs Ross Tsuyuki, Braden Manns, Brenda Hammelgard
- RxEACH Project
- RCT (usual vs advanced care) partnership with UofA and UofC
- Includes screening, case-finding and pharmacist-initiated management
- 52 pharmacists, 460 patients (approximately 50% of target)
- Mean age 63 yrs
- Risk profile (n=358) \rightarrow





Screening & Management: Worksite (pilot)



- Chair: Dr Raj Padwal
- Pilot intervention to optimize the cardiovascular risk profiles of workers with at least one uncontrolled risk factor (hypertension, dyslipidemia, smoking)
- Goes beyond screening and 'wellness' programs
- Includes case management (NP or pharmacist) and both nonpharmacological and pharmacological therapies
- Alberta Newsprint Company Whitecourt, AB



Integrated VRR Approach

- Chairs: Drs Brian Buck and Sandeep Agarwal
- Atheromatous/ Vascular disease is found in more than one arterial bed
- Commonalities in management strategies
- Opportunity to integrate VRR to reduce the risk of future vascular events more effectively while eliminating redundancies, promoting system efficiencies and being more patient-centric (as opposed to current siloed approach)
- Pilot integrated model in 3 sites in Alberta: Medicine Hat, Slave Lake FCC, Calgary Mosaic PCN
- Slave Lake: New integrated multi-disciplinary VRR clinic established within the FCC; very positive feedback from patients and staff on first two clinics. 25+ patients seen in first 2 clinics.
- Calgary: Working with Mosaic PCN to develop an integrated care plan and flow sheet



Integrated VRR - Medicine Hat Pilot

- Integrated into CDM program
- VRR program offered to all referrals at risk
- Education based (no direct medical management)
- 125 enrolled to date
- Co-morbidities (documented in DAD and NACRS in 9-months pre participation):

	Stroke/ TIA	МІ	IHD	Diabetes	Hypertension	Dyslipidemia	Obesity
# pts	3	120	51	46	92	32	14



Integrated VRR - Medicine Hat Pilot

- Modest improvements observed, patients reasonably well controlled at program onset
- No new events recorded during follow-up period

Preliminary results

Risk Factor	Mean Initial visit	Mean 3-mo F/U visit
T-chol mmol/L	3.93	3.89
SBP mmHg	131	121
DBP mmHg	75	70
EQ5D	67	76



Knowledge Translation

ACTION

- Alberta Coalition for PrevenTION and Control of Vascular Disease Network
- Multiple KT resources related to VRR developed and disseminated
- Priority messages related to:
 - Importance of measuring CV Risk
 - Systematic identification of smokers and brief intervention
 - Physical activity and healthy eating (Healthy Living Prescription)





ACTION Partners













Toward Optimized Practice





Nutrition & Food Services Chronic Disease Prevention Alberta Quits MOH SCNs



Vascular Risk Reduction Program

- VRR is a prototypical Strategic Clinical Network
 Activity
 - Bringing Diverse Groups, interests and Expertise together for a common purpose
 - Leveraging engagement and energy
 - Exploring and measuring value of innovative initiatives like "Enhanced Lipid Reporting", ASaP, Work Site and "RxReach"
 - Spreading and scaling best practices like C-CHANGE across Alberta

Evaluation, Knowledge Translation