

Building Academic Capacity for Community Engaged Scholars at McGill University

Participatory Research at McGill University (PRAM)

Ann C Macaulay CM MD FCFP
Professor of Family Medicine
Director

Jon Salsberg MA PhD (candidate)
Associate Director

Community Engaged Scholarship
Guelph November 5 2010



Member of the Anisnabe Kekendazone-NEAHR
Network Environment for Aboriginal Health Research

Participatory Research at McGill

<http://pram.mcgill.ca>



Participatory Research at McGill (PRAM)

2006- present

VISION Researchers working in partnerships with those affected by issues being studied for the purpose of translating knowledge into action or change

MISSION To create new scholarship in participatory research and integrated knowledge translation, and advance use and understanding of these research approaches within the Faculty of Medicine and allied units at McGill University

PRAM Activities - academic and capacity building

- Realist review on benefits of PR (CIHR Synthesis grant in partnership with decision making partners)
- Adding process to principles for PR policy statement of NAPCRG
- Needs Assessment
- Faculty Development Workshops (for CME credit)
- Partnering on Grants/Consultations
- 3 credit Graduate Course
- Monthly Seminar Series (multi disciplinary)
- CIHR Guide to Researcher and Knowledge-User Collaboration in Health Research <http://www.learning.cihr-irsc.gc.ca/course/view.php?id=3>
- Training grants and Seed Funding (Aboriginal Health)
- IRB Guidelines
- Promotion and Tenure

2006 Understand the needs of McGill community to develop faculty level workshops

- Limited **qualitative study** of faculty members and staff already using or planning to use PR (7 semi structured interviews and one focus group of 9 participants)



- Results used to design **faculty-wide needs assessment**



- Results used to design **faculty development workshops** in conjunction with the Office of Faculty Development and Continuing Medical Education

What we found...

Qualitative study revealed these themes

Table 1

Major Theme	Sub-Categories
Conceptual Framework	<i>Action vs. Research; Key aspects of PR; General need for PR</i>
Institutional issues	<i>Institutional needs for PR; Institutional support for PR; Barriers to PR</i>
Partnerships	<i>Ethics; Agreements PR process</i>
Academic Development	<i>Need for academic PR expertise; Personal PR goals</i>
New developments	<i>PR developments; PR Impact on policy; Interest in PR from other areas</i>

Needs Assessment

Emergent themes from qualitative analysis used to form categories for needs assessment survey

Categories:

§ *PR Background*

§ *Partnerships*

§ *Funding*

§ *Research & Evaluation*

§ *Disseminating Results & Influencing Policy*

§ *Professional & Academic Skills/Leadership*

§ *Ethics*

Needs Assessment

Questionnaire piloted in family medicine October 2007
Administered by email in two waves winter 2008
through administrative coordinators

Results (unknown response rate)

- § 125 responses
- § 14 of the 21 departments in the Faculty of Medicine
(including some bench science...)
- § 2 Schools (Nursing, Physical & Occupational Therapy)
- § 4 Centres, 3 clinical units, 7 divisions

Needs Assessment

Results:

Table 2: Responses to “It is important to me to improve my knowledge of.. 1 (most) - 5 (least)”

Question	N	Mean	SD
grantsmanship skills specific to PR	124	1.88	0.976
evaluation methods and models used in PR	125	2.03	1.047
research partnership agreements, encompassing partner responsibilities, data ownership, protection, etc.	124	2.03	1.012
Identifying and overcoming challenges	125	2.07	1.108
integrated Knowledge Translation throughout the PR process	125	2.10	1.098
major challenges to conducting PR and how these challenges may be overcome	124	2.12	1.130
PR issues with Institutional Review Boards	119	2.13	1.008
using evaluation results to manage, plan, strategize and improve partnership	123	2.14	1.058
how to influence policy	124	2.16	1.136
how to develop and maintaining partnerships	124	2.20	1.189
process evaluation for a PR partnership using a model-based approach	125	2.20	1.054
scholarly and community dissemination of PR studies	125	2.30	1.158
how to identify PR partners	125	2.33	1.243
how to balance personal, community, academic values in PR	121	2.45	1.118
key terms and principles used in PR	125	2.51	1.175
tenure and promotion in relation to PR	120	2.93	1.385

Needs Assessment

Table 3: Preferred Learning Format
(lower mean=higher rank; multiple responses allowed)

Learning Format	N	Mean	SD
Half-day workshop	119	1.80	1.078
E-learning tools	111	2.73	1.279
Individual/group consultations	112	2.88	1.224
One-day workshop	113	2.94	1.159
Other	28	4.50	1.139

Needs Assessment

Table 4: Participatory Research Experience

Experience	N	%
none	23	19
some	78	66
significant	18	15

Table 5: Years involved in research

Years	N	%
0	2	2
1-5	30	24
6-10	25	20
11-15	16	13
16>	52	41

Table 6: Partners

Partner	N
Professionals	103
Patients	81
Organisations	78
Community members	57
Policy makers	44
Others	10

Needs Assessment Results

Significant difference between groups for about 1 in 3 answers for “*Rate your Level of PR Experience*” (one-way ANOVA)

Highest responses by those with ‘significant PR experience’

- *how to influence policy*
- *PR issues with Institutional Review Boards*
- *integrating knowledge translation throughout the PR process*
- *grantsmanship skills specific to PR*
- *research partnership agreements*

Unexpected benefit of assessment - greater visibility of PRAM – requests to consult / partner on grants

Workshop Development

Needs assessment results informed workshop content by prioritising learning

- how much time was allotted to each topic
- understanding variety of partners

Workshop format

- half day
- role-modeling partnerships (4 teams)

Workshop Content for 'Introduction to Participatory Research'

- § Introduction /principles of participatory research
- § Identifying and recruiting partners
- § Engaging in collaborative research design
- § Taking stock of facilitators and barriers
- § Maintaining partnerships over time

- § Ethics and governance
- § Joint interpretation & dissemination of results
- § Identify PR funding opportunities
- § Knowledge translation facilitated by PR
- § Resources

Workshops/Training sessions

Pilot Workshop summer 2008

- § Piloted in Department of Family Medicine
 - | for physician CME credit

Faculty level CME credited workshop Fall 2009

- § 32 faculty members

Booster session Spring 2010

- § 10 faculty members

Training sessions various departments and other faculties (inc Law and Geography)

- § have reached > 200 people

Examples of PRAM projects

- Indigenous communities and organisations in Canada and Ecuador
 - Health promotion in urban and rural geographic communities (includes practice based research networks)
 - Patient satisfaction at family medicine teaching centre
 - Patients in recovery (mental health)
 - Short term interventions in addiction
 - Improving care in rheumatoid arthritis
 - Women prisoners
 - Poverty and dental care
-
- Pharmaco-genomics
 - Point of care decision making by family physicians (virtual community)
 - Health organisations- Canadian Pharmaceutical Association
 - Other organisations- YMCA

What supports Community Engaged Scholarship at McGill??

- PRAM centre providing expertise
- Role models who have 'walked the talk' (CIHR Partnership Award)
- Colleague with expertise in partnerships with organisations
- Supportive IRB (16 years of experience)
- Experiential learning – 20 faculty (grant success rate 50%), grad students (10), medical students (4), undergrads (2)
- Tools for developing partnerships, research agreements
- Early understanding for change needed in promotion and tenure
- Increased funding in Canada and USA (partnered research, integrated knowledge translation, knowledge to action, translational science)

Participatory Research at McGill (PRAM)

The screenshot shows the PRAM website interface with the following sections and annotations:

- Needs Assessment:** Points to the 'Assessing your Needs: Take the Survey' link in the left sidebar.
- Seed Grants:** Points to the 'NEW PR Toolkit: References & Resources' link in the left sidebar.
- RSS Feed of Latest PR Lit in PubMed:** Points to the 'NEW Updated PubMed search results. Now displayed as RSS feed. See PubMed RSS Feed' link in the main content area.
- Training Grants:** Points to the 'PRAM in the McGill Reporter' link in the left sidebar.
- Archive of past guest presentations:** Points to the 'Past Presentations available!' section in the left sidebar.
- Upcoming Seminars:** Points to the 'Next one will be on Friday, February 8 @ 12:00PM' section in the left sidebar.
- Resource Literature:** Points to the 'Participatory Research @ Lunch' section in the main content area.
- Other Web Resources:** Points to the 'Welcome to Participatory Research at McGill!' header in the main content area.
- Members (find a PR expert):** Points to the 'Care of Members at PRAM in November 2007' image in the main content area.
- Other Scholarships:** Points to the 'Postgraduate scholarships available 2008-2008' section in the main content area.

The website content includes a navigation menu (Home, NEAHR, Scholarships, Events, Seminars, Resources, Members, Archives), a search bar, and contact information for the Department of Family Medicine at McGill University.

<http://pram.mcgill.ca>

Good web based resources

- § PRAM – Participatory Research at McGill (<http://pram.mcgill.ca>)
- § CIHR Knowledge Translation Portfolio
(<http://www.cihr-irsc.gc.ca/e/29418.html>)
- § CIHR Guidelines For Health Research Involving Aboriginal People
(http://www.cihr.ca/e/documents/ethics_aboriginal_guidelines_e.pdf)
- § Guidelines for Participatory Research (<http://lgreen.net/guidelines.html>)
and Minkler M and Wallerstien N (eds) CBPR for Health second edition Appendix C
- § Community Campus Partnerships for Health (<http://www.ccph.info>)
Includes examples of research agreements
(<http://depts.washington.edu/ccph/commbas.html#Principles>)
- § NAPCRG Policy Statement on Participatory Research
(<http://www.napcrg.org/exec.html>)
Short version of this document published as
Participatory Research Maximizes Community and Lay Involvement Macaulay AC et al, BMJ 1999;
319:774-8
- § KSDPP – The Kahnawake Schools Diabetes Prevention Project
(<http://www.ksdpp.org>)
- § Agency Health Quality Research Community Based Participatory Research
(<http://www.ahrq.gov/clinic/epcsums/cbprsum.htm>)

