

PHRED Program Annual Report

PHRED Spring Days Meeting
April 27, 2005

Hamilton
Public Health &
Community Services

Middlesex-London
Health Unit

Sudbury & District
Health Unit

Kingston, Frontenac
and Lennox & Addington
Public Health

Ottawa
Public Health

Public Health Division,
Ministry of Health and
Long-Term Care

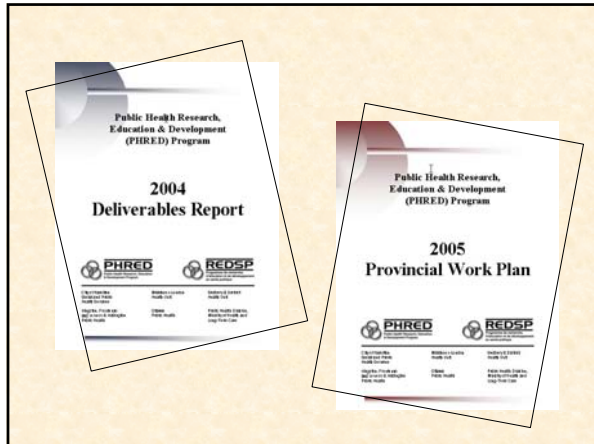
www.phred-redsp.on.ca

Year-in-Review!

2004 and beyond!

Overview

- What have we done?
 - Highlights of key 2004 PHRED activities
- What are we up to?
 - Activities to date in 2005
- What does the future hold?



Goal #1
Provide Evidence to
Support Effective
and Efficient Public
Health Practice

Effective Public Health Practice
Project (EPHPP)

- 6 systematic reviews
 - 5 re physical activity and nutrition interventions for children and youth
 - 1 West Nile virus
- 6 additional summary statements to www.health-evidence.ca website

www.hamilton.ca/PHCS/EPHPP

Impact on Public Health: EPHPP Example

- Physical activity and obesity prevention in children and youth
 - Increased capacity of public health staff involved
 - Research gaps identified (e.g. cost-effectiveness, more parent focused, etc.)
 - Used by RNAO Best Practices Guidelines
 - Used in CMOH annual report
 - Presented at OPHA and CDPAC
 - Principal investigator invited to key national committees

Benchmarking

- Questionnaires available on:
 - Breastfeeding
 - Dental Health
 - Heart Health Coalitions
 - Food Premise Inspection
 - Influenza Immunization
 - School Health
 - School Immunization
 - West Nile virus (underway)
- 84% of health units completed at least 1 online survey
- 65% of health units completed more than 1 online survey

www.benchmarking-publichealth.on.ca

Impact on Public Health: Benchmarking Example

- Dental Screening
 - 10 health units participated
 - Participant feedback:
 - Learned from others
 - Contributed to change in program
 - Identified inconsistencies
 - Identified need for MOHLTC dental consultant

Accountability and
Performance Measurement

Rapid Risk Factor Surveillance System

- Collaborated on the development of 2 new RRFSS modules
- Began evaluation of RRFSS

OPHA Core Competencies Project

- Co-chaired OPHA Core Competencies Work Group
- Literature review
- Contributed to:
 - Provincial Planning Day
 - Project Management Plan
 - Communications Plan
- Workshops
 - CPHA, OPHA, HPO-ph

Applied Research and Evaluation

- Over 150 local and provincial applied research and evaluation studies
- Over 20 LOI or grant proposals submitted
- Over \$12,000,000 external funding received (includes 1 large grant \$11,221,092 from Hamilton PHRED)
- Over 100 publications
- Over 225 presentations
- Updates re funding opportunities

**Impact on Public Health:
Applied Research Example**

NutriSTEP Project

- Screening tool to identify preschool aged children at risk for nutritional problems
- Over half-million \$ funding to date
- Over 2,000 parents of preschoolers in 4 provinces provided input
- National award for parent education booklet – 50,000 copies distributed

Impact on Public Health

- Impact on national consensus health documents (e.g. Canadian Pediatric Society, Dietitians of Canada)
- 35 pediatric experts involved and consensus on key nutrition topics

**NutriSTEP Project (continued)
Long-term Impact**

- Culturally appropriate validated tools (English, French, First Nations) ready for implementation
- Early identification and intervention of preschool nutrition problems
- Improved health of preschool children

**Community Outreach for Heart
Health and Risk Reduction Trials
(COHRT)**

- RCT behavioural intervention for those at risk for heart disease
- Led by University Health Network – provincial research team with rural, urban and northern health units
- 9 graduate students involved in project

Impact on Public Health

- Increased effectiveness of chronic disease prevention practice

Evaluation of Prenatal and Postnatal Nurse Practitioner Program

- Evaluate NP model for primary and preventative care to mothers and children: 9 pilot sites
- Outreach to 3000 high-risk and under-serviced clients

Impact on Public Health

- Evidence for MCYS to make decisions regarding innovative models of service delivery
- Increased access to prenatal and postnatal care
- Lessons for outreach strategies

Provincial Francophone Health Status Report

- Completed analysis of 76 indicators by 10 socio-demographic variables
- Writing teams in place
- Release date for report – Summer 2005

Impact on Public Health

- Comparison data to build on 2000 report
- Policies, programs and services targeting francophone population
- Research questions → additional research
- Used in curriculum of health professionals (e.g. Northern Ontario School of Medicine)

Violence Against Women: Health Care Provider Survey

- Multi-site interdisciplinary research team
- Surveyed random sample of physicians and nurses regarding barriers and facilitators to screening for women abuse
- Preliminary analysis of data completed

Impact on Public Health

- Enhanced practitioner skill development and practice protocols
- Policy development

Goal #2
Leadership in
Education of
Future Public
Health
Professionals

Education

- Placements to 870 students
- 18,615 student contacts in classes, tutorials
- Contributed to curriculum development of public health programs
- PHRED Connection

Impact on Public Health:
Education

- Improved student education
- More appropriately prepared future health professionals
- Increased recruitment into public health
- Increased research in public health
- Reduced duplication of resources, tools related to student placement
- Increased capacity for public health placements in Ontario health units

Goal # 3
Provide Leadership
in Public Health
Research and
Education Through
Partnerships

Skills Enhancement for Health
Surveillance Project

- Act as facilitators
- Module development and working papers
- Evaluation Advisory Committee

Impact on Public Health

- Improved evidence-based planning, standardized approaches to information management
- Contribute to the continuing education of health care professionals
- Wider distribution of key concepts in surveillance to health care professionals

2004 OPHA Annual Conference
Program Committee

- Developed conference theme, sub-themes and learning objectives
- Selected keynote speakers
- Developed Call for Abstracts and reviewed over 160 submissions
- Prepared the program
- Recruited and oriented moderators
- Evaluated the conference

Impact on Public Health

- Enhanced service delivery
- Opportunity to disseminate applied research, evaluations and innovative projects, network and learn from others

PHRED Representation on National and Provincial Committees

Examples

- Canadian Population Health Surveys Advisory Committee
- Commission conjointe sur la recherche et les systèmes d'information
- E-Health Council for Public Health
- Interim Steering Committee: Chronic Diseases Prevention Consortium, Health Canada
- Nursing and Health Outcomes Project Expert Panel for Mental Health, Primary Care and Public Health, MOHLTC
- Ontario Collaborative Group on Healthy Eating, Canadian Cancer Society, Ontario Division
- Research and Surveillance Working Group of the Integrated Healthy Living Network, Health Canada

Emerging Issues

- Briefing Note response to Walker Report
- Submission to Bennett Round Table
- Contributed to CMOH Report
- Contributed to RAO Guidelines re prevention of obesity in children
- Participated in Virtual School of Public Health consultation (Health Canada)
- Participated on national focus group re Bursaries and Scholarships in Public Health (PHAC)

Examples of Local PHRED Activities

- **Hamilton**
 - Bullying Prevention Program Evaluation
- **Kingston**
 - Evaluation of "Drive for Life" Program
- **London**
 - Childhood Overweight and Obesity Management: Physicians' Views, Practices, Perceived Barriers and Needs
- **Ottawa**
 - Reducing Youth Smoking in Ottawa: Survey
- **Sudbury**
 - Food Handler Training Program Evaluation

What's New in 2005?

A few highlights from our work plan

Research/Accountability

- **ANDSOOHA-PHRED Mentorship Project**
- **Benchmarking**
 - Workshops
 - Business Plan
- **Core Competencies**
- **Effective Public Health Practice Project**
 - 2 reviews
 - 6 summary statements
 - 10 summary statements to health-evidence.ca
- **Ethics in Public Health Research**
- **Francophone Health Status Report**

Research/Accountability
(continued)

- **Nursing and Health Outcomes Project**
- **Prenatal/Postnatal NP Evaluation**
 - Interim report April 2005
 - Final report December 2006
- **RRFSS Evaluation**
 - Evaluation Framework
 - Final report December 2006
- **Skills Enhancement for Health Surveillance**
 - Proposal submitted to PHAC
 - National evaluation advisory committee
- **Best Start 18-month Screening Project***

Education

- PHRED Connection
 - Review of RNAO preceptor resource kit
 - Expanding network
- Linkages with over 12 academic institutions
- Involved in curriculum development

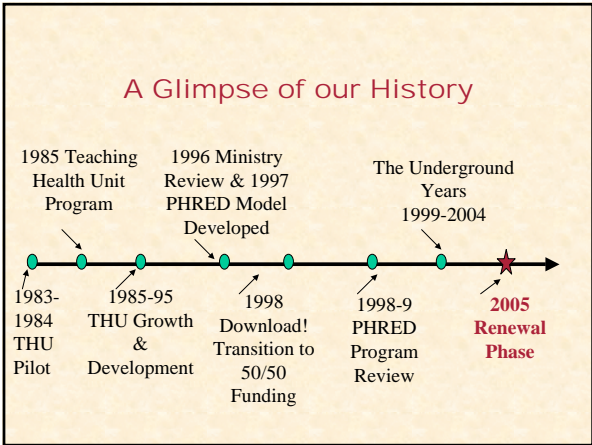
Partnerships

- Ontario Public Health Association
 - \$1,000 student award
- Chronic Disease Prevention Alliance
- Ontario Stroke Strategy – Health Promotion Sub-Committee*
- Health Services Research Advancement Award Nomination

Leadership/Emerging Issues

- Public Health Renewal
 - Public Health Capacity Review
 - Ontario Health Protection and Promotion Agency
- E-Health Council
- Healthy Weights
- Ontario Tobacco Strategy
- Performance Measurement
- Knowledge Transfer

Where to from here?



- ### Learnings from the PHRED Kitchen: Baking a Cake
- Developed PHRED cake recipe with time and experience: the right key ingredients!
 - Baked in wrong type of oven (context/ infrastructure issues)
 - Temperature – inconsistent & not high enough (\$)
 - Neither those who baked it nor those who ate it are satisfied
 - CAUTION: don't throw out the recipe!

Key Concepts:
**Integration of Research, Education
and Practice**

Setting up for success

- Sound model
- Nationally recognized
- Critical for robust and effective public health system

Key Concepts:
**Integration of Research, Education
and Practice**

Not reaching potential (the Oven)

- Model never fully implemented – design flaw
- No regional mandate
- Funding model and funding instability – one casualty: loss of Toronto site
- Uncertain government commitment
- Politics related to 'provincial deliverables'
- Tensions: "have and have nots"

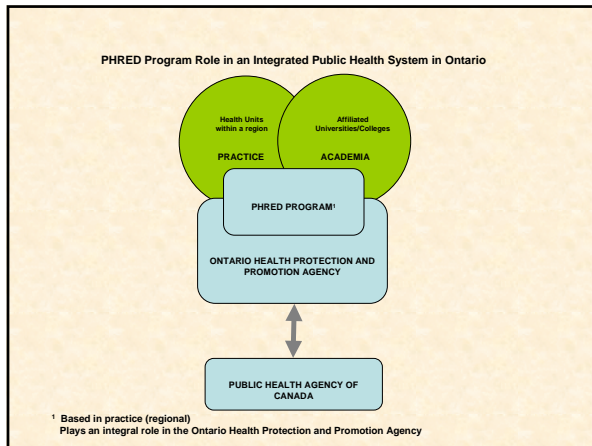
Key Concepts:
**Integration of Research, Education
and Practice**

The path forward (Key ingredients)

- Heed Operation Health Protection and Campbell/Walker and fully acknowledge need for REP as foundation to robust system

Needs:

- Integration of research, education, policy/practice
- Provincial leadership: education & research agendas
- Regional model – engage all health units
- Critical mass
- Grounding in practice
- Strong academic/practice partnership



**Shaping the Future of Research,
Education & Practice**

- Renewal process a priority
- Input into process: committees and questionnaires
- Public Health Goals for Canada

- What will the new model look like in the future?

Different...but
Builds on THU/PHRED model
successes and challenges of
over 20 years

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