Building a Solid Foundation for Public Health Practice: Skills Enhancement for Public Health

PUBLIC HEALTH AGENCY of CANADA AGENCE DE LA SANTÉ PUBLIQUE du CANADA

Community Health Nurses of Canada

5th National Conference

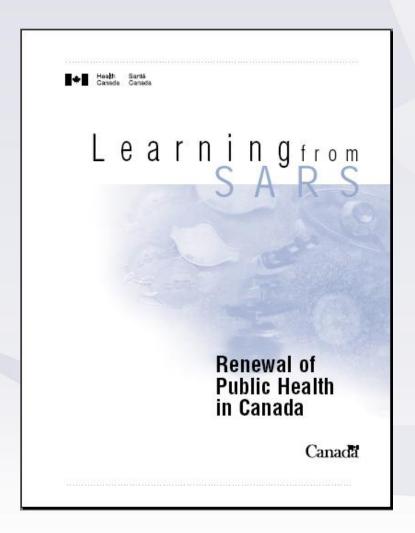
Pre-conference Workshop

May 16th, 2011





Learning from SARS: Renewal of Public Health in Canada (2003)



"No attempt to improve public health will succeed that does not recognize the fundamental importance of providing and maintaining in every local health agency across Canada an adequate staff of highly skilled and motivated public health professionals. Our national aim should be to produce a cadre of outstanding public health professionals who are adequately qualified and compensated, and who have clear roles, responsibilities and career paths." 2003

Workforce Challenges

Lack of:

- qualified public health professionals in Canada, aging workforce & uneven distribution of existing practitioners (especially in rural & remote areas)
- common measure & data to quantify the gap
- public health practitioner 'surge' capacity to respond emergencies
- skills development & training opportunities for existing public health practitioners

National Response to Strengthen the Public Health Workforce

Federal/Provincial/Territorial Advisory Groups

Develop pan-Canadian strategies to strengthen public health capacity

Goals of the Public Health Human Resources Strategy

- 2 Components:
 - ✓ Develop public health core competencies common to all public health professionals
 - ✓ Enhance knowledge & skills among the public health workforce

Building the Public Health Workforce for the 21st Century

A Pan-Canadian Framework for Public Health Human Resources Planning

> The Joint Task Group on Public Health Human Resources

Advisory Committee on Health Delivery and Human Resources

Advisory Committee on Population Health and Health Security Develop accreditation standards / quality control measures

Identify best practices in education (including placements, continuing education)

Identify best practices in interprofessional deployment

Identify best practices in recruitment and retention

October 2005

Develop recruitment / retention strategies to attract required competencies Develop structures to support interprofessional education (space, time, instructors)

Deploy workforce in interprofessional models based on their competencies

Develop worker competency assessment tools and incentives Align education programs to reflect competencies and interprofessional practice

Map the competencies of each discipline against the core and function-specific competencies

Develop organizational competency assessment tools and incentives

Define the public health workforce for planning purposes

Gather data on the public health workforce

Identify core public health services

Identify core* public health competencies

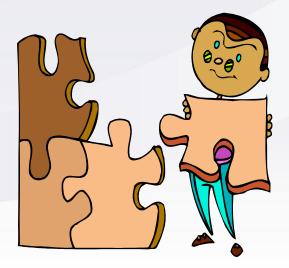
Identify functionspecific** public health competencies

Public health needs of the population

Core Competencies for Public Health in Canada

Set of essential skills, knowledge & attitudes necessary for the broad practice of public health

- Basic building block to develop the workforce
- Independent of discipline & program



Core Competencies for Public Health in Canada: Release 1.0

36 statements organized under 7 categories:



1. Public Health Sciences



2. Assessment & Analysis



Policy & Program Planning,
 Implementation & Evaluation



4. Partnerships, Collaboration & Advocacy



5. Diversity & Inclusiveness



6. Communication



7. Leadership



Current Activities

- Build awareness & knowledge
- Develop tools & resources to support use
 - Core Competencies for Public Health in Canada
 Orientation Module (www.corecompetencies.ca)
 - Tools to demonstrate Core Competencies in practice
 - Performance assessment & management tools for individual practitioners & organizations
 - Skills Online continuing education program

Current Activities (con't)

- Exploring use & integration of Core Competencies within Public Health Agency of Canada
- Working with public health disciplines to develop discipline-specific competencies
- Pan-Canadian Environmental Scan to explore ways Core
 Competencies are being used & integrated
 - Local/regional public health organizations, & provincial/territorial governments and associations (completed scan; Case Study in progress)
 - Master of Public Health programs (completed)
 - Schools of environmental health (completed)
 - Schools of nursing (planned for 2011/12)

Recommendations from Environmental Scan

- Focus efforts on formal endorsement & adoption of Core Competencies
- Continue to educate about Core Competencies at all levels of public health
- Promote practice-based learning approaches
- Equip organizations with human resources, tools & methods that support integration of competencies into practice

Recommendations from Environmental Scan (con't)

- Promote & support "workforce driven" competency development activities
- Encourage & support competency-based mentoring & coaching
- Continue integration of core & discipline-specific efforts through collaborative projects and partnerships
- Use networks to create 'gathering spaces' for shared learning & collaboration
- Support public health leadership at all levels

How do we acquire & maintain the Core Competencies for Public Health in Canada: Release 1.0?



Do you think you can buy me some competencies too, Dad?

The role of continuing education.... **Skills Online**



Skills Online Life-Long Learning

• Like other health-related fields, public health knowledge & practices continually evolve

 Continuing education is required to maintain high levels of relevant knowledge & skills to practice effective public health Continuing education opportunities for public health practitioners across Canada not readily available



What is Skills Online?

- Internet-based continuing professional development program for front line public health practitioners
- Facilitated modules in English & French
- Offered to public health professionals since 2002
- Just over 6000 individuals have completed one or more modules
- Over 10,000 modules have been completed

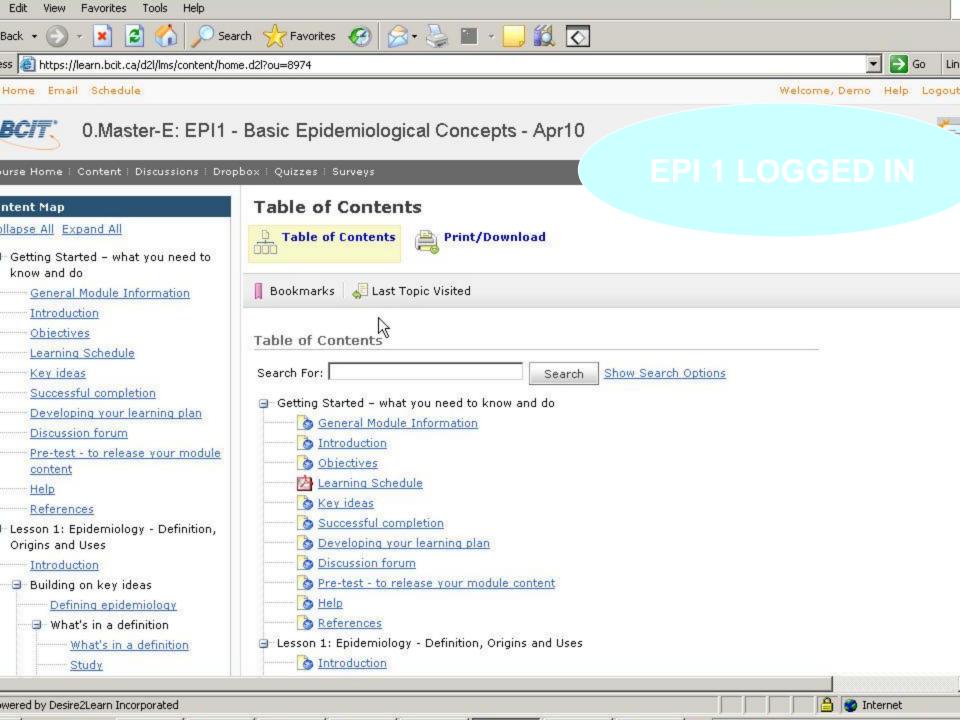


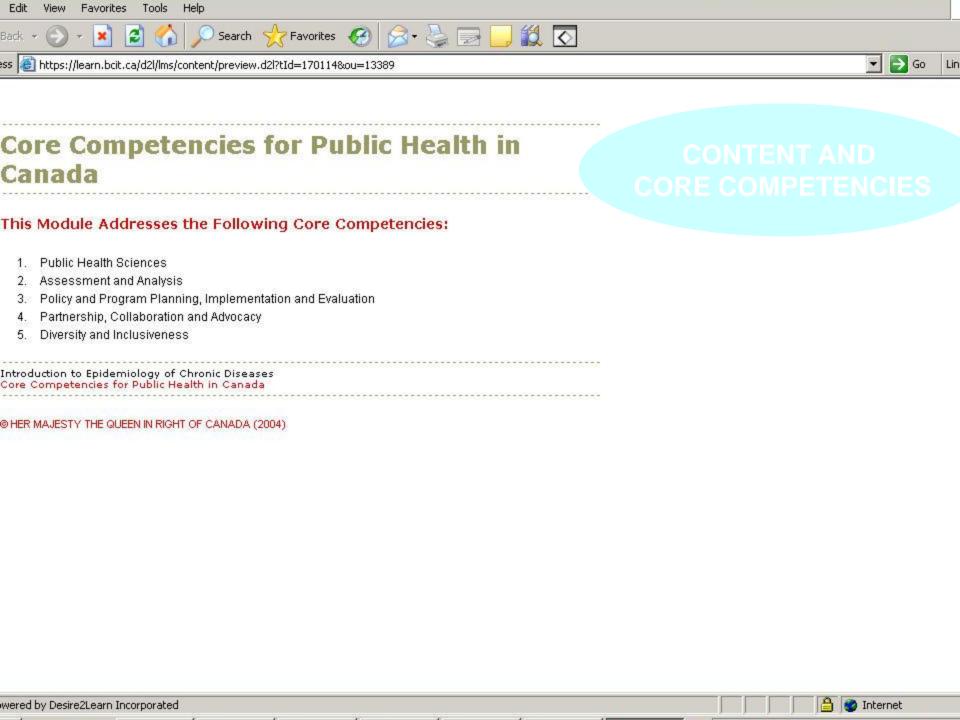
Module Delivery Format

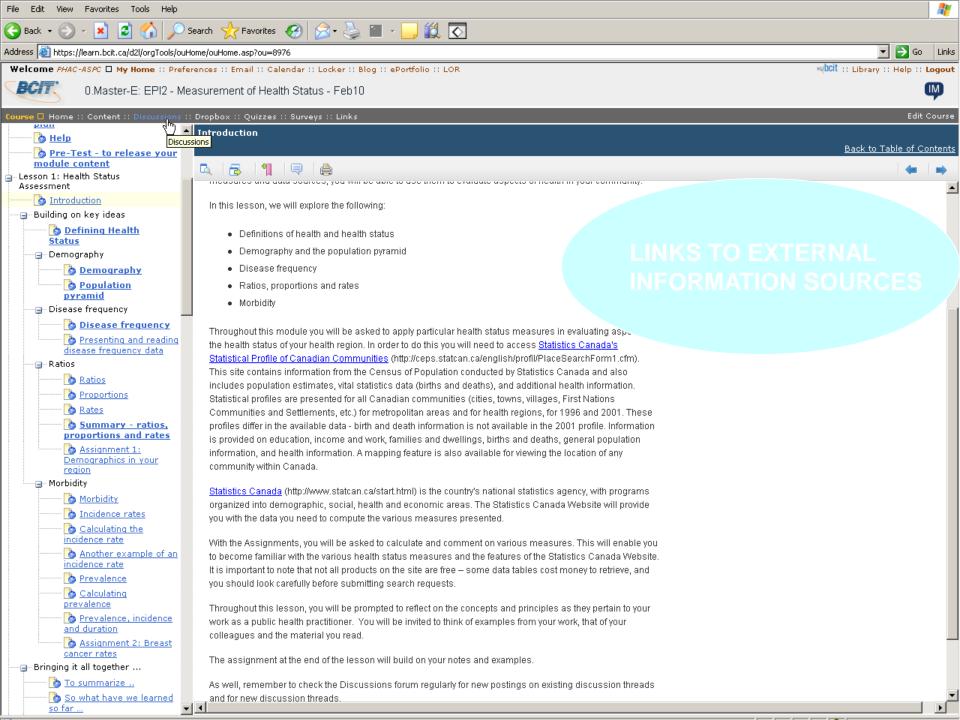
- National teams
 - 8 18 interprofessional learners from across Canada
- Facilitated modules learners have access to an experienced, trained online facilitator
 - answer content-related questions
 - encourage discussion
 - provide feedback on learning exercises
 - guide learners through the material

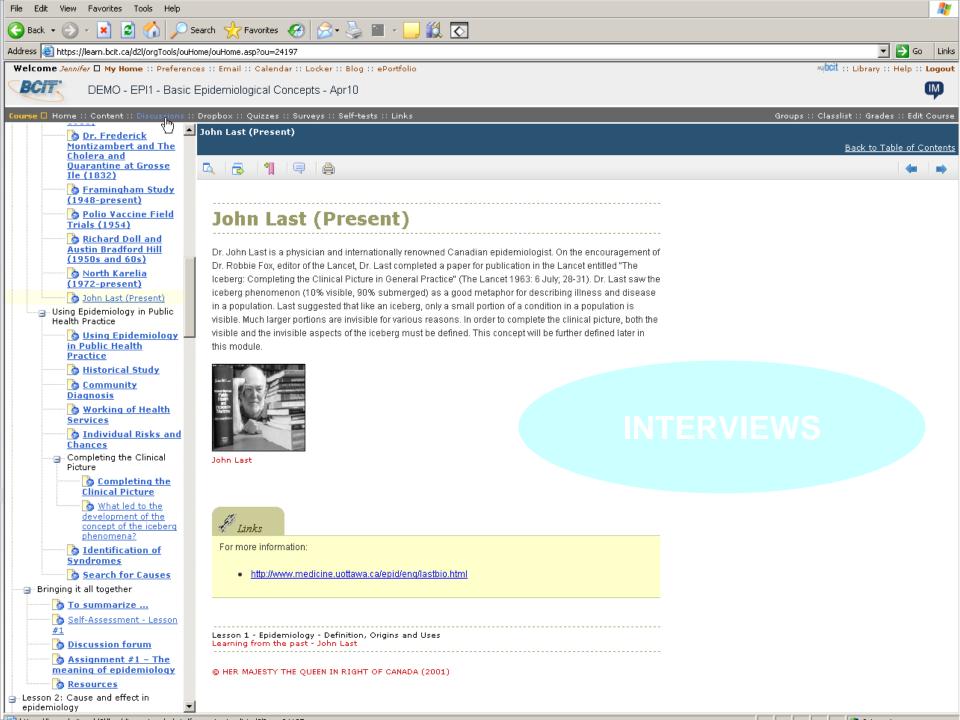
Skills Online: Key Features

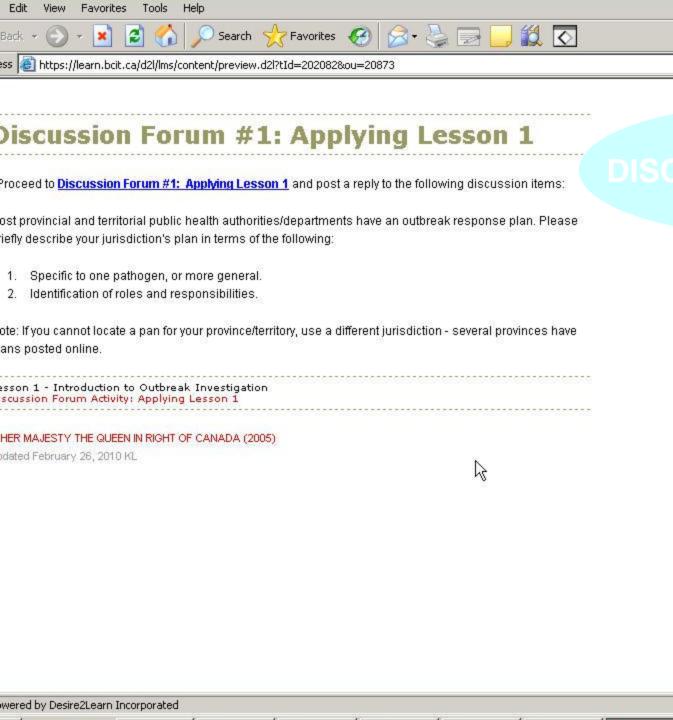
- Relevant, timely, practical Canadian content
- Easily accessible through web browser
- All content available on line
- Low cost
- Help Desk for technical support
- 8 weeks to complete a module
- Modules range from $\sim 25-35$ hours in length
- Offered 3 times per year Fall, Winter & Spring
- Based on principles of adult learning











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A Internet

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ASSIGNMENT – FOR SUBMISSION

ssignment 2 Public Health Interventions for a Community Chronic ondition

pose

letermine appropriate public health interventions to address identified risk factors to a specific chronic condition.

ructions

iew your work in Assignment 1. For your chosen chronic condition and the identified risk factors, describe a prevention strategy that you think would work for your imunity. Explain your reasoning for the strategy.

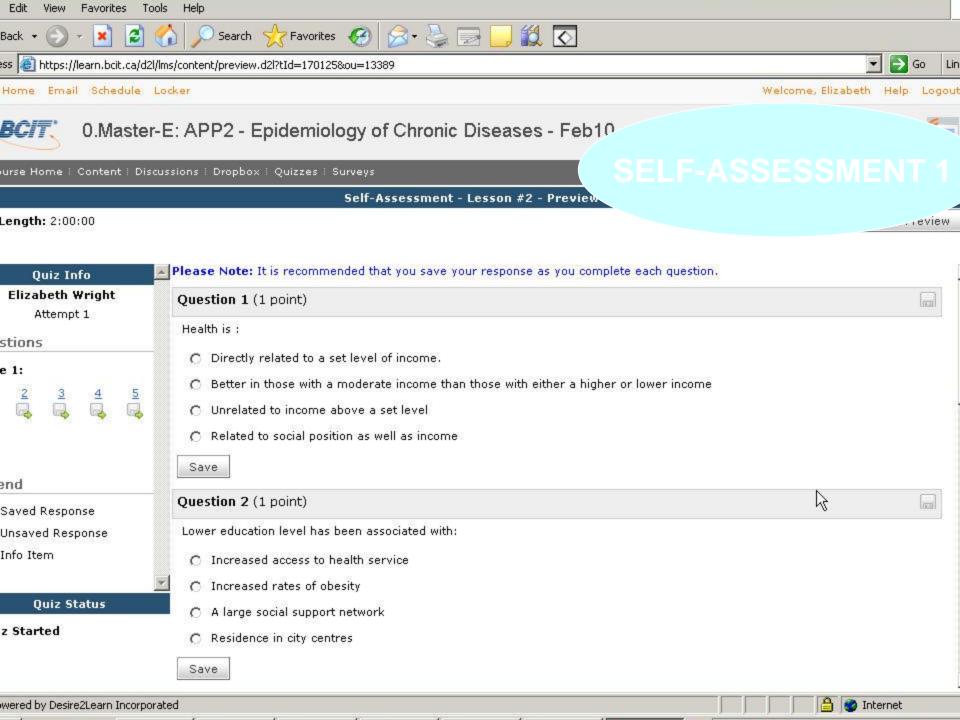
uirements

can use a presentation format (maximum of 10 slides) or a one page report format. Be sure to reference any data that you use

ectations

n the development of prevention strategies, budget is always a consideration. For the purposes of this exercise, assume you have a large, stable budget. Since this ignment builds on what was presented in the first assignment, be sure to incorporate what you have already learned. Finally, since prevention strategies will be tomized to the community, include enough referenced material about your community to provide an understanding as to why you have chosen the prevention strategy.

submit



A public health practitioner is able to...

Core competency components	Module content examples			
Identify relevant & appropriate data & sources of information Category 2: Assessment & Analysis	vital statistics, census, administrative, Internet sites, notifiable diseases, registries			
Collect accurate quantitative primary &/or secondary data Category 2: Assessment & Analysis	examples of methods, tools being used in the field			
Provide health status, demographic, statistical, programmatic & scientific information to professional & lay audiences	organizing & displaying data, e.g., selecting & constructing tables, charts, graphs, maps			
Category 6: Communication Content mapped to				

Core Competencies.

WARNING MODULES

INTRODUCTION TO:

ONLINE LEARNING EPIDEMIOLOGY

Basic Epidemiological Concepts Measurement of Health Status Descriptive Epidemiological Methods SURVEILLANCE INFORMATION MANAGEMENT

METHOD

Basic Biostatistics Principles & Practices of Public Health **Survey Methods**

MOVING DATA TO ACTION

Communicating Data Effectively Evidence-Based Planning

APPLIED PUBLIC HEALTH

Outbreak Investigation & Management Applied Epidemiology: Injuries Epidemiology of Chronic Diseases

Skills Online Modules

MODULES AVAILABLE

- EPI1:Basic Epidemiological Concepts
- EPI2: Measurement of Health Status Introduction to Surveillance
- EPI3: Epidemiologic Methods
- APP1: Outbreak Investigation & Management
- APP2: Epidemiology of Chronic Diseases
- APP3:Applied Epidemiology: Injuries
- SUR1:Intro to Surveillance
- SUR2:Communicating Data Effectively
- STA1: Introduction to Biostatistics
- PHP1:Intro to Public Health
- PHP4: Intro to Literature Searching

NEW MODULES FOR RELEASE 2011-12

- PHP2: Evidence-based Public Health
- PHP3: Planning for Public Health
- PHP5: Privacy & Confidentiality for Public Health

MODULES IN DEVELOPMENT

• STA2: Survey Methods

Skills Online Module Development

Year 1

- Process overview
- > Develop project plan
- > Conduct needs assessment
- > Conduct environmental scan
- > Form advisory group
- Develop module framework
- > Develop module content

Year 2

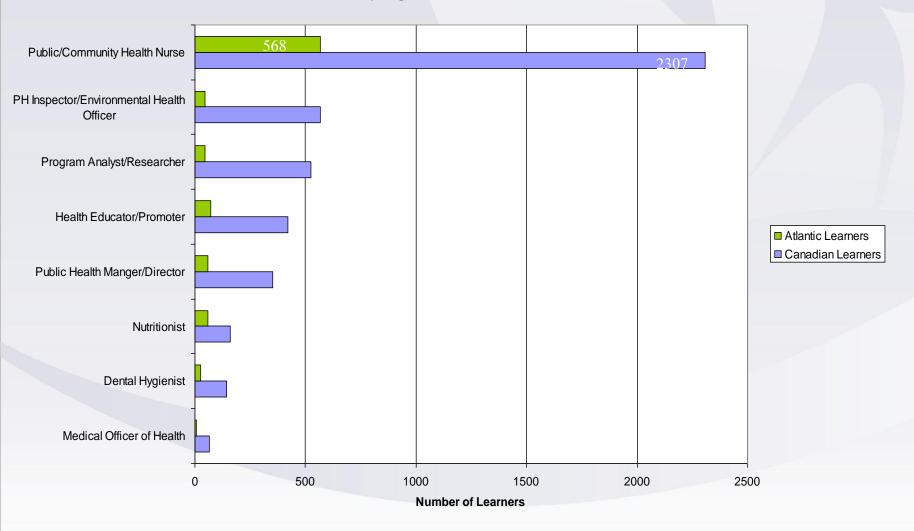
- > Storyboard
 - Develop prototypeLearning Mgt. System
- > Pilot

Ongoing Maintenance

- > Evaluate
- Content Review
- > Test

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Number of Skills Learners by Professional Designation: Atlantic vs Canada Spring 2002 - Winter 2011



Success How? Top 5

- Support from your org
- Buddying up
- Keep the tech number handy
- Stick to the suggested schedule & timelines
- Balance your time work/pleasure/study

The Importance of the Learning Schedule

The Learning Schedule

- 8 weeks to complete module - 4- 6 hours per week
- Learning Schedule
 - content
 - assignments
 - discussions
- Fitting the LS to your schedule will help you stay on track

BASIC EPIDEMIOLOGICAL CONCEPTS (EPI 1) LEARNING SCHEDULE

Week	Material/tasks	time required*	Staying on track
1-2 weeks before	Complete the Skills for Public Health Online Module Guided Tour before you begin the Module. Note: You will have access to the EPI 1 Module on the start date of the session.	1-2 hours	
In week 1	Check for access to the EPI 1 website - make sure you can access all parts of the site. Read Getting Started section Complete pre-test Begin Lesson 1: Epidemiology – Definitions, Origins and Uses Introduce yourself on the Discussion Forum – Learner's café.	2-3 hours	If you have techhology problems call the help desk (1-866-432-8545) or send an e-mail to studenthelp@bdt.ca
In week 2	Complete Lesson 1: Epidemiology – Definitions, Origins and Uses. Complete Discussion Forum #1: Is studying the history of epidemiology a useful exercise? Complete Assignment #1: The meaning of epidemiology Complete self assessment.	5-6 hours	Post your response to the topic on the Discussion Forum and respond to at least one of the postings made by fellow learners in each forum.
In week 3	Complete Lesson 2: Cause and Effect in Epidemiology Complete Discussion Forum #2: The cause effect relationship Complete Assignment #2: Outbreaks of waterborne disease Complete self assessment.	5- 6 hours	
In week 4	Complete Lesson 3: The Natural History of Disease Complete Discussion Forum #3: Primary prevention Complete Assignment #3: The natural	3-4 hours	Don't forget to post and respond on the Discussion Forum.

Incorporating learning schedule into work and life schedule:

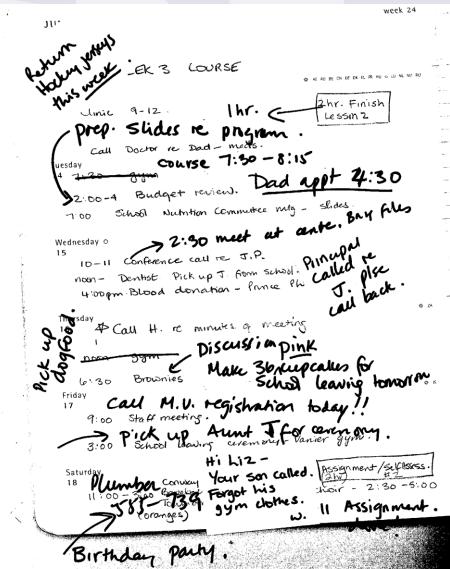
- Calendar with all appointments noted
- Learning Schedule added
 - Specific tasks noted
 - Work distributed over week
 - Extra time available between tasks

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JUNE
         WEEK 3 LOURSE
Monday
                                          2hr. Finish
     anic 9-12.
      Call Doctor re Dad - meds.
 Tuesday
 14 7:30 - gym
    2:00-4 Budget review.
        School Nutrition Commutes ruta - Slides
 Wednesday O
     10-11 Conference call re J.P.
    noon - Dentist Pick up J. from school.
     4:00pm Blood donation - Prince Philip Droc
      4 Call H. re minutes of meeting
     noon - gym
           Brownies
  Friday
      9:00 Staff meeting.
             School leaving ceremony - Vanier gym.
                  Convey Sterr
      11:00-3:00 Baselial
              (oranges)
```

How well did that

work?

- Calendar completely blown apart
- Learning Schedule added
 - Specific tasks noted
 kept me aware of
 what had to be done
 - Work distributed
 over week but
 only got in half the
 time
 - Extra time available between tasks – got used up on other tasks!



Benefits

Individual

- Acquired knowledge/developed CC shared & applied Increased...
- perspective/enhanced appreciation breadth, roles & work
- understanding/appreciation surveillance (data collection & use)
- understanding of terminology & concepts
- critical thinking, problem solving, creativity...
- willingness to collaborate
- practitioners' desire for & confidence in pursuing further education

Benefits

Organizational

- Skilled practitioners
- Consistent, common baseline understanding of PH principles
- Improved decision making/planning abilities
- Improved communication within & across teams
- Increased levels of confidence of staff translating into increased contributions at team meetings
- HR policies/practices

Recognition, Endorsement & Support

- •Certificate from Public Health Agency of Canada & the Institut national de santé publique du Québec after successful completion of each module
- Endorsed by professional organizations & associations
- •Support from provinces/territories & local organizations
- •University recognition, e.g. Master of Public Health programs



For More Information

Core Competencies for Public Health in Canada

www.phac-aspc.gc.ca/core_competencies

Skills Online

www.phac-aspc.gc.ca/skills