

**The Urban Health Authority placement is a 3-month core rotation which may be undertaken within any Health Authority but should focus on issues related to populations who live in urban areas. This rotation is under the direct supervision of one or more Medical Health Officers.**

The term ‘objectives’ relate to the knowledge and skills that a resident is expected to acquire during the rotation. The resident will discuss the objectives with the supervisor at the beginning of the rotation; will formally evaluate achievement of these objectives mid-rotation and again at rotation end.

Note that the objectives listed here reflect those which are most likely to be met during this rotation. However, residents and supervisors may choose to focus on additional objectives and activities not listed here, depending on the learning needs of the resident and the learning opportunities which are available. Deciding on which specific objectives and activities the resident will meet for each rotation should be done in consultation with the supervising MHO. No single rotation is intended to cover the entire set of learning objectives from the RCPSC. Similar objectives may be covered in the other core rotations.

All work and learning assignments during this rotation will reflect the principle of graded responsibility.

The objectives are also aligned with CanMEDS specialist physicians’ essential roles and key competencies.

<i>Objectives:</i>	ACTIVITIES	<i>Mastery:</i>
1-PRIMARY, 2-secondary, 3-For interest	RESIDENT’S NAME  DATES	1-Exposed, 2-Familiar, 3-Conversant

**Medical Expert/Clinical Decision-Maker**

<b>General Requirements</b>			
• Demonstrate diagnostic and therapeutic skills for ethical and effective interventions at the individual, group, organization and population levels.			
• Access and apply relevant information to the practice of Public Health and Preventive Medicine			
• Demonstrate effective consultation services with respect to assessment and interventions at the individual, group and population levels			

<b>Specific Requirements</b>			
<i>Diagnostic and Therapeutic Skills Assessment</i>			
<b>Training Objective</b>		<b>Activity</b>	
<ul style="list-style-type: none"> <li>• Access and apply relevant information to the practice of Public Health and Preventive Medicine</li> </ul>			
<ul style="list-style-type: none"> <li>• Demonstrate effective consultation services with respect to assessment and interventions at the individual, group and population levels</li> </ul>			
<ul style="list-style-type: none"> <li>• Assess and describe the health of a population.</li> </ul>		<ul style="list-style-type: none"> <li>• Describe the components of a Health Profile for the HA and how this information is produced, analyzed and used for identifying the needs of specific population groups and for planning in the HA.</li> </ul>	
<ul style="list-style-type: none"> <li>• Identify those conditions or population characteristics that lend themselves to surveillance and be able to select the most appropriate method.</li> </ul>		<ul style="list-style-type: none"> <li>• For selected CDs, report on surveillance, actions, and prevention and management plans.</li> </ul>	
<ul style="list-style-type: none"> <li>• Use a variety of methods to collect information relevant to the clinical setting and situation at hand.</li> </ul>			
<ul style="list-style-type: none"> <li>• Select and interpret relevant social, demographic and health indicators from a variety of data sources.</li> </ul>			
<ul style="list-style-type: none"> <li>• Identify and interpret biological risk markers, e.g. age, sex, genetic makeup.</li> </ul>			
<ul style="list-style-type: none"> <li>• Identify and demonstrate an understanding of social and economic environmental factors, such as immigration policies and distribution of wealth.</li> </ul>			
<ul style="list-style-type: none"> <li>• Identify and demonstrate an understanding of physical environmental factors, including noise, pollutants and hazardous industrial processes, that are relevant to the given clinical context (individual, local, regional, global).</li> </ul>			
<ul style="list-style-type: none"> <li>• Identify and interpret the impact of health behaviours of individuals, groups and populations, particularly with respect to nutrition, physical activity, use of tobacco and other substances, sexuality, risk taking, vaccination and participation in recommended screening programs.</li> </ul>			
<ul style="list-style-type: none"> <li>• Identify and demonstrate an understanding of factors that influence the potential for change in a given context or population.</li> </ul>			
<ul style="list-style-type: none"> <li>• Use computers or information technology in epidemiological investigations and data analysis.</li> </ul>			

<ul style="list-style-type: none"> <li>• Interpret epidemiologic studies and assess their validity and applicability to a particular situation.</li> </ul>			
<ul style="list-style-type: none"> <li>• Describe and apply guidelines for determination of causality (Koch, Hill).</li> </ul>			
<ul style="list-style-type: none"> <li>• Understand the principles of infectious disease epidemiology and apply them in the investigation and management of infectious disease.</li> </ul>		<ul style="list-style-type: none"> <li>• Manage CD call intake from the public, PH nurses and physicians and follow-up.</li> <li>• For selected CDs, report on surveillance, actions, and prevention and management plans.</li> <li>• Spend time in travel clinic, to describe recommendations for international travelers.</li> <li>• Attend immunization clinic.</li> </ul>	
<ul style="list-style-type: none"> <li>• Conduct a communicable disease outbreak or disease cluster investigation.</li> </ul>		<ul style="list-style-type: none"> <li>• Be involved in outbreak or cluster investigation if it occurs</li> <li>• Write a report regarding investigation.</li> </ul>	
<ul style="list-style-type: none"> <li>• Describe the major environmental health hazards and diseases, and the interaction of air, water and soil characteristics with them.</li> </ul>		<ul style="list-style-type: none"> <li>• Describe how a metropolitan water system works, the testing, the upgrades and the threats to the public health through the water system.</li> <li>• Describe the Air Quality Health Index (AQHI) for the metropolitan area, the location and types of sampling stations, and how the AQI is used by the Medical Health Officer in his advice to the public.</li> <li>• Accompany Environmental Health Officers while they make restaurant and other inspections to observe and learn about the role of the EHO.</li> </ul>	
<ul style="list-style-type: none"> <li>• Carry out a health risk assessment of an environmental hazard.</li> </ul>			
<ul style="list-style-type: none"> <li>• Use quantitative and qualitative methods including (but not limited to) participant observation, key informant surveys, nominal group, focus group and Delphi process, to explain differences in health and health related behaviours.</li> </ul>			

<i>Diagnostic and Therapeutic Skills Intervention</i>			
<ul style="list-style-type: none"> <li>• Manage a communicable disease outbreak.</li> </ul>			
<ul style="list-style-type: none"> <li>• Know the natural history, epidemiology, risk factors and health burden of the major communicable and non-communicable (including injury) diseases of public health significance, and apply this knowledge in the development, implementation and evaluation of appropriate surveillance and control programs.</li> </ul>		<ul style="list-style-type: none"> <li>• Describe a model for Chronic Disease Management and Prevention. e.g. Cardiovascular Disease</li> <li>• Describe a method of surveillance for NCD/injury (e.g. CVD).</li> <li>• Review NCD/injury (e.g. CVD) management and prevention documentation in the HA.</li> <li>• Identify areas for improvement. Develop proposal for improvement.</li> </ul>	
<ul style="list-style-type: none"> <li>• Describe the main methods of dealing with common environmental hazards, including (but not limited to) water and sewage treatment, milk hygiene, and quality control of water, soil, air and food.</li> </ul>			
<ul style="list-style-type: none"> <li>• Manage individually, or in a team, health risks from environmental or occupational exposures.</li> </ul>			
<ul style="list-style-type: none"> <li>• Understand and apply the principles of harm reduction, stages of change, health protection (including legal, technical, economic and educational approaches) and health promotion, in order to influence health behaviours of individuals, groups and populations.</li> </ul>		<ul style="list-style-type: none"> <li>• Describe how prevention, health promotion and public health objectives are established and achieved within the HA.</li> </ul>	
<ul style="list-style-type: none"> <li>• Develop, implement and evaluate approaches to community health issues that incorporate health protection, disease prevention (primary, secondary and tertiary) or health promotion strategies as appropriate.</li> </ul>		<ul style="list-style-type: none"> <li>• Describe how principles of health promotion fit into a NCD/injury (e.g. CVD) strategy for the HA.</li> <li>• Identify in the NCD/injury (e.g. CVD) strategy, opportunities for health promotion and outline strategies.</li> </ul>	
<ul style="list-style-type: none"> <li>• Identify those conditions that are amenable to population-based screening, and calculate and interpret screening test characteristics.</li> </ul>		<ul style="list-style-type: none"> <li>• Describe the principles of a screening program and how these apply to the screening programs in the HA.</li> <li>• Identify and document the screening programs in the HA.</li> <li>• Identify at least one screening program that has gaps when compared to the principles of a screening program and describe how this program could be improved.</li> </ul>	
<ul style="list-style-type: none"> <li>• Understand, interpret and apply as appropriate, the methods and recommendations of relevant practice guideline processes.</li> </ul>			
<ul style="list-style-type: none"> <li>• Contribute to the development of a community emergency preparedness plan, including measures to prevent and manage biological, chemical and radiological agents.</li> </ul>		<ul style="list-style-type: none"> <li>• Describe the role of the MHO in emergency preparedness or response.</li> <li>• Accompany an EHO on an emergency call such as a white powder incident.</li> </ul>	

<i>Information Access</i>			
<ul style="list-style-type: none"> <li>Identify, access and critically appraise data from a variety of sources, including individuals, administrative databases, the internet and health, epidemiological and social sciences literature.</li> </ul>		<ul style="list-style-type: none"> <li>Review existing Health Profile(s) and business plan(s). Identify and document gaps that exist between health needs and services delivered.</li> </ul>	
<i>Effective Consultation</i>			
<ul style="list-style-type: none"> <li>When called upon for advice, clarify the nature of the request and establish (negotiating where required) the desired deliverables.</li> </ul>		<ul style="list-style-type: none"> <li>Manage CD call intake from the public, PH nurses and physicians and follow-up.</li> </ul>	
<ul style="list-style-type: none"> <li>Efficiently collect the information appropriate to the request.</li> </ul>			
<ul style="list-style-type: none"> <li>Formulate clear and realistic recommendations.</li> </ul>			

**Additional objectives and activities related to the Medical Expert Role**


**Communicator**

<b>General Requirements</b>			
<ul style="list-style-type: none"> <li>Establish relationships with patients and families, groups and communities, and other physicians, health professionals and service providers, decision and policy makers and the media, appropriate to the setting.</li> </ul>			
<ul style="list-style-type: none"> <li>Obtain and synthesize relevant information.</li> </ul>			
<ul style="list-style-type: none"> <li>Listen effectively.</li> </ul>			
<ul style="list-style-type: none"> <li>Convey information clearly in formats appropriate to the recipient (patient or other individual, family, group, other service provider, community and media) that is relevant to the purpose at hand.</li> </ul>		<ul style="list-style-type: none"> <li>Draft a physician letter.</li> <li>Draft a media release or newsletter article,</li> <li>Discuss with communications dept.</li> <li>Present to a group.</li> </ul>	

<b>Specific Requirements</b>			
<ul style="list-style-type: none"> <li>Interpret and present epidemiological data and risk information to affected individuals, the public, other professionals and the media using a variety of modalities.</li> </ul>			
<ul style="list-style-type: none"> <li>Develop and implement a communication plan about a public health issue, including a media component.</li> </ul>		<ul style="list-style-type: none"> <li>Describe, by using examples from the HA: the principles and methods for communicating health issues to physicians and other HCW's, and how to communicate through the media.</li> </ul>	
<ul style="list-style-type: none"> <li>Respond effectively to public and media enquiries about specific health issues.</li> </ul>		<ul style="list-style-type: none"> <li>Assist MHO with responding to media enquiries if they arise</li> </ul>	
<ul style="list-style-type: none"> <li>Effectively communicate with members of an interdisciplinary team for the purpose of information exchange, conflict resolution, and the provision and receipt of feedback.</li> </ul>			
<ul style="list-style-type: none"> <li>When called upon for advice, clarify the nature of the request and establish (negotiating where required) the desired deliverables.</li> </ul>			
<ul style="list-style-type: none"> <li>Efficiently collect the information appropriate to the request.</li> </ul>			
<ul style="list-style-type: none"> <li>Formulate clear and realistic recommendations.</li> </ul>			
<ul style="list-style-type: none"> <li>Communicate the assessment and recommendations in a manner (oral and/or written) that is most suitable to the client and given circumstances.</li> </ul>		<ul style="list-style-type: none"> <li>Draft a physician letter.</li> <li>Draft a media release or newsletter article,</li> <li>Discuss with communications dept.</li> <li>Present to a group.</li> </ul>	

**Additional objectives and activities related to the Communicator Role**


**Collaborator**

<b>General Requirements</b>			
<ul style="list-style-type: none"> <li>Consult effectively with other physicians, other health care professionals and service providers from other sectors.</li> </ul>			
<ul style="list-style-type: none"> <li>Contribute effectively to interdisciplinary team activities.</li> </ul>			

<b>Specific Requirements</b>			
<ul style="list-style-type: none"> <li>Identify individuals, groups and other service providers who can contribute meaningfully to the definition and solution of an individual, group or community level public health issue, and education task or research question, including (but not limited to) social services agencies, mental health organizations, the not-for-profit sector, and volunteers.</li> </ul>			
<ul style="list-style-type: none"> <li>Employ a variety of means to engage and enable the participation of identified key stakeholders.</li> </ul>			
<ul style="list-style-type: none"> <li>Clearly articulate the goals and objectives of a given collaborative process.</li> </ul>		<ul style="list-style-type: none"> <li>Attend a meeting with public health and local government.</li> </ul>	
<ul style="list-style-type: none"> <li>Identify and describe the role, expected contribution and limitations of all members of an interdisciplinary team assembled to address a health issue, educational task or research question, and work effectively within such a team.</li> </ul>		<ul style="list-style-type: none"> <li>Describe the role of the MHO in advising local governments regarding issues of public health significance.</li> </ul>	
<ul style="list-style-type: none"> <li>Describe the organization of community health and social services, including the not-for-profit sector, volunteers and other service agencies, in at least one province.</li> </ul>			

**Additional objectives and activities related to the Collaborator Role**


**Manager**

<b>General Requirements</b>			
<ul style="list-style-type: none"> <li>Utilize resources effectively to balance professional demands, learning needs, and outside activities</li> </ul>		<ul style="list-style-type: none"> <li>Identify areas for personal improvement and resources needed</li> </ul>	
<ul style="list-style-type: none"> <li>Allocate finite health care resources wisely and ethically.</li> </ul>		<ul style="list-style-type: none"> <li>Identify the resources and processes in the HA.</li> </ul>	
<ul style="list-style-type: none"> <li>Work effectively and efficiently in a health care organization.</li> </ul>			
<ul style="list-style-type: none"> <li>Utilize information technology to optimize patient care, life-long learning and other activities.</li> </ul>			
<b>Specific Requirements</b>			
<ul style="list-style-type: none"> <li>Use knowledge of the Canadian health system defining legislation, funding and organizations, to analyze community health issues.</li> </ul>		<ul style="list-style-type: none"> <li>Describe the HA as a Health Service Organization and compare this to other jurisdictions, by describing mandate, governance and management structure, business plan, payment mechanisms, human resources planning and development, and how services are delivered along the continuum of care from prevention to palliative care.</li> <li>Attend staff orientation session, attend Board mtg, participate in objective and priority setting with MHOs.</li> </ul>	
<ul style="list-style-type: none"> <li>Use an economic analysis in the assessment of a health issue and proposed intervention options.</li> </ul>			
<ul style="list-style-type: none"> <li>Use an economic analysis in the assessment of a health issue and proposed intervention options.</li> </ul>			
<ul style="list-style-type: none"> <li>Describe the public health legislation in at least one province and how it relates to other relevant legislation at the municipal, provincial and federal levels.</li> </ul>		<ul style="list-style-type: none"> <li>Describe the legislation, regulations and policies which govern and enable the work of MHO's and public health staff.</li> <li>Accompany Community Care Licensing Staff into the field to assess standards of community care and learn about licensing requirements.</li> </ul>	
<ul style="list-style-type: none"> <li>Describe the organization of workplace health services.</li> </ul>			
<ul style="list-style-type: none"> <li>Design, implement, manage and evaluate a program.</li> </ul>			
<ul style="list-style-type: none"> <li>Design, implement and evaluate a change management process.</li> </ul>			
<ul style="list-style-type: none"> <li>Develop and implement a strategic plan.</li> </ul>		<ul style="list-style-type: none"> <li>Review orientation materials (including Ministry of Health deliverables, strategic plan, business plan, budget, accreditation materials, etc.)</li> <li>Describe how the HA develops organizational vision, values, leadership, team building, and collaboration</li> </ul>	

<ul style="list-style-type: none"> <li>Participate in common human resource management functions, including (but not limited to) hiring, firing and performance appraisal of staff.</li> </ul>		<ul style="list-style-type: none"> <li>Describe how medical leadership and team building is developed.</li> </ul>	
<ul style="list-style-type: none"> <li>Develop and manage a budget.</li> </ul>			
<ul style="list-style-type: none"> <li>Understand the impact of various leadership styles and apply them appropriately in a variety of community and organizational settings.</li> </ul>			
<ul style="list-style-type: none"> <li>Understand and use the techniques of conflict management, including negotiation and arbitration.</li> </ul>			
<ul style="list-style-type: none"> <li>Understand and use a variety of quality improvement techniques as appropriate to the organization and setting.</li> </ul>			

**Additional objectives and activities related to the Manager Role**


**Health Advocate**

<b>General Requirements</b>			
<ul style="list-style-type: none"> <li>Identify the important determinants of health affecting individuals and communities.</li> </ul>			
<ul style="list-style-type: none"> <li>Contribute effectively to improved health of individuals and communities.</li> </ul>			
<ul style="list-style-type: none"> <li>Recognize and respond to those issues where advocacy is appropriate.</li> </ul>			

<b>Specific Requirements</b>			
<ul style="list-style-type: none"> <li>Describe the distribution and determinants of health status of a specific population.</li> </ul>			
<ul style="list-style-type: none"> <li>Conduct a policy analysis.</li> </ul>		<ul style="list-style-type: none"> <li>Choose a current issue requiring policy development. Research and identify options.</li> </ul>	
<ul style="list-style-type: none"> <li>Describe mechanisms of policy development and methods of implementation, including legislation, regulation and incentives.</li> </ul>		<ul style="list-style-type: none"> <li>Describe the processes for developing policy and legislation.</li> </ul>	
<ul style="list-style-type: none"> <li>Recognize situations where advocacy is required and define strategies to affect the desired outcome.</li> </ul>		<ul style="list-style-type: none"> <li>Describe the responsibilities of the MHO as a public health advocate appointed under legislation versus the responsibilities of the MHO as a member of the HA organization.</li> </ul>	

**Additional objectives and activities related to the Health Advocate Role**


**Scholar**

<b>General Requirements</b>			
<ul style="list-style-type: none"> <li>Develop, implement and monitor a personal continuing education strategy.</li> </ul>		<ul style="list-style-type: none"> <li>Develop a learning plan for this rotation and monitor it.</li> </ul>	
<ul style="list-style-type: none"> <li>Critically appraise sources of information relevant to the practice of Public Health and Preventive Medicine.</li> </ul>		<ul style="list-style-type: none"> <li>Critically appraise information relevant to the main project undertaken in the rotation</li> </ul>	
<ul style="list-style-type: none"> <li>Facilitate learning of patients and clients, residents, other health professionals and the community.</li> </ul>		<ul style="list-style-type: none"> <li>Apply this specifically when taking on call first respondent duties</li> </ul>	
<ul style="list-style-type: none"> <li>Contribute to development of new knowledge.</li> </ul>		<ul style="list-style-type: none"> <li>Write up a public health response, outbreak investigation, or new program for a publication.</li> </ul>	

<b>Specific Requirements</b>			
<ul style="list-style-type: none"> <li>Pose a research question and participate actively in the complete research process from grant preparation through to dissemination of findings.</li> </ul>			
<ul style="list-style-type: none"> <li>Select and apply descriptive and analytical methods appropriately.</li> </ul>			
<ul style="list-style-type: none"> <li>Recognize potential source of bias in research and describe methods to reduce the impact of such bias through design and/or analysis.</li> </ul>			
<ul style="list-style-type: none"> <li>Calculate and interpret measures of frequency (rate, ratio) and of risk (relative risk, attributable risk, odds ratio, etiologic fraction, preventive fraction).</li> </ul>			
<ul style="list-style-type: none"> <li>Identify, access and critically appraise data from a variety of sources, including individuals, administrative databases, the Internet and health, epidemiological and social sciences literature.</li> </ul>			

**Additional objectives and activities related to the Scholar Role**


**Professional**

<b>General Requirements</b>			
<ul style="list-style-type: none"> <li>Deliver highest quality care with integrity, honesty and compassion.</li> </ul>			
<ul style="list-style-type: none"> <li>Exhibit appropriate personal and interpersonal professional behaviours.</li> </ul>			
<ul style="list-style-type: none"> <li>Practise medicine ethically consistent with obligations of a physician.</li> </ul>			

<b>Specific Requirements</b>			
<ul style="list-style-type: none"> <li>Continually evaluate one's abilities, knowledge and skills, and know one's professional limitations, seeking advice and assistance where appropriate.</li> </ul>			
<ul style="list-style-type: none"> <li>Identify ethical issues arising in the course of Public Health and Preventive Medicine practice, such as consent, confidentiality, privacy, resource allocation, conflict of interest, public safety and individual choice, and apply appropriate strategies to address them.</li> </ul>		<ul style="list-style-type: none"> <li>Describe freedom and information and protection of privacy legislation as it applies to public health programs.</li> </ul>	
<ul style="list-style-type: none"> <li>Recognize, analyze and know how to deal with unprofessional behaviours in clinical practice, considering local and provincial regulations.</li> </ul>			
<ul style="list-style-type: none"> <li>Adopt specific strategies to heighten personal and professional awareness and explore and resolve interpersonal difficulties in professional relationships.</li> </ul>			

**Additional objectives and activities related to the Professional Role**
