

General Preventive Medicine and Public Health Residency

GPM/PH Residency Handbook Appendix Item 6

Learning Goals and Objectives for Practicum Rotations

A. American Cancer Society

- 1. Learn about the epidemiology, risk factors, and recommended screening tests for skin cancer and for the 3 most common (non-skin) cancers in Women and Men in the United States, through didactic instruction, self review and interactive presentations with care providers and/or the general public. (ACGME Competencies: Medical Knowledge, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, System's-Based Practice, Professionalism)**

PMRY1 Objectives

- Participate in reviewing the literature to assist with preparing presentations regarding the epidemiology, risk factors and appropriate cancer screening practices for one or all of these cancers. (*Medical Knowledge, Practice-Based Learning & Improvement, Professionalism*)
- Participate in giving a presentation regarding these factors for one or all of these cancers to fellow professionals and/or the general public. (*Medical Knowledge, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, Professionalism*)
- Observe and participate in systems in the local health community that provide cancer screening for those who cannot afford it. (*Interpersonal and Communication Skills, System's-Based Practice, Professionalism*)
- Observe and participate in developing a quality improvement plan for an outpatient clinic to improve the appropriate referral of their patients for cancer screening. (*Medical Knowledge, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, System's-Based Practice, Professionalism*)
- Observe and participate in developing a community based intervention to reduce cancer risk factors (e.g. policies to reduce tobacco availability, tobacco-free campus initiatives). (*Medical Knowledge, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, System's-Based Practice, Professionalism*)

PMRY2 Objectives

- Independently review the literature and prepare presentations regarding the epidemiology, risk factors and appropriate cancer screening practices for one or all of these cancers. (*Medical Knowledge, Practice-Based Learning & Improvement, Professionalism*)
- Independently give a presentation regarding these factors for one or all of these cancers to fellow professionals and/or the general public. (*Medical Knowledge, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, Professionalism*)
- Observe and participate in systems in the local health community that provide cancer screening for those who cannot afford it. (ACS does not provide this service directly but promotes the availability of these services). (*Interpersonal and Communication Skills, System's-Based Practice, Professionalism*)
- Participate in developing a quality improvement plan for an outpatient clinic to improve the appropriate referral of their patients for cancer screening. (*Medical Knowledge, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, System's-Based Practice, Professionalism*)

Independently lead the development of a portion of a community based intervention to reduce cancer risk factors (e.g. investigating potential policies to reduce tobacco availability, developing material for a tobacco-free campus initiative).

(Medical Knowledge, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, System's-Based Practice, Professionalism)

2. Be able to knowledgably discuss differences between specialty, ACS, and the United States Preventive Task Force Services recommendations for cancer prevention. (ACGME Competencies: Medical Knowledge, Practice-Based Learning & Improvement, Interpersonal & Communication Skills)

PMRY1 Objectives

Observe and participate in giving a presentation regarding these factors for one or all of these cancers to fellow professionals.

PMRY2 Objectives

Independently present or lead a discussion amongst your colleagues about the differences between recommendations and the possible reasons for them.

3. Learn about recommended health behaviors and counseling for such behavior related to cancer prevention. (ACGME Competencies: Medical Knowledge, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, Professionalism)

PMRY1 and 2 Objectives combined due to rarity of opportunities

Observe and participate in applying the above knowledge to develop a program to increase activities that reduce the risk of cancer and in communicating this plan to stakeholders. (ACGME Competencies 4 listed)

Observe and participate in applying the above knowledge to develop a program to assist clinician in more effectively counseling their patients to increase their activities that reduce their cancer risk and in communicating this plan. (ACGME Competencies 4 listed)

Observe and participate in investigating laws or policies that would discourage activities that increase the risk of cancer, encourage activities that reduce cancer burden, and/or encourage clinicians to appropriately screen and counsel their patents regarding cancer prevention. Also participate in communicating this plan. (ACGME Competencies 4 listed)

4. Learn about the organization and management of a National health advocacy organization and in particular how the local chapter is governed and interacts with the national organization. (ACGME Competencies: Practice-Based Learning & Improvement, Interpersonal & Communication Skills, Professionalism)

PMRY1 Objectives

Observe and participate in the daily management activities of the Local American Cancer Society Chapter. (ACGME Competencies 3 listed)

Participate with the local executive director or other staff of the local ACS in preparing and giving a presentation for a board meeting of the local ACS chapter or another lay-person group. (ACGME Competencies 3 listed)

Participate in an evaluation of a program (or potential program) of the local ACS chapter and in presenting the evaluation (ACGME Competencies 3 listed)

PMRY2 Objectives

PMY1 Objectives and

Independently evaluate a program (or potential program) of the local ACS chapter and present it in written and/or verbal form to the local executive director. (ACGME Competencies 3 listed)

B. Anthony Jordan Health Center

1. Learn about the epidemiology, risk factors, diagnosis and chronic management of the primary health conditions affecting minority, underserved populations—particularly Type 2 diabetes, hypertension and heart disease (ACGME Competencies: Patient Care, Medical Knowledge, Interpersonal and Communication Skills, System's-Based Practice, Professionalism)

PGY2 Outcomes

Observe and participate in applying the above knowledge to diagnose and manage individuals at risk for and who have these 3 conditions (*Patient Care, Medical Knowledge, Interpersonal and Communication Skills, Professionalism*)

Observe and participate in applying the above knowledge to develop, modify and carry out treatment plans for the most common occupational injuries requiring multiple visits. (*Patient Care, Medical Knowledge, Professionalism*)

Observe and participate in the decisions to appropriately refer patients to other care providers when appropriate (*Patient Care, Medical Knowledge, Interpersonal and Communication Skills, System's-Based Practice, Professionalism*)

Participate in communicating diagnosis and treatment plan to patient and to the care providers to which the patient is referred. (*Interpersonal and Communication Skills, Professionalism*)

PGY3 Outcomes

Independently apply with appropriate supervision the above knowledge to diagnose and formulate initial treatment plans for individuals at risk for and who have these 3 conditions

Independently apply with appropriate supervision the above knowledge to develop, modify and carry out treatment plans for these 3 conditions over multiple visits (*Patient Care, Medical Knowledge, Professionalism*)

Independently suggest and with appropriate supervision carry out decisions to appropriately refer patients to other parts of the health care system (*Patient Care, Medical Knowledge, Interpersonal and Communication Skills, System's-Based Practice, Professionalism*)

Communicate diagnosis and treatment plan to patient and to the care providers to which the patient is referred. (*Interpersonal and Communication Skills, Professionalism*)

2. Provide culturally-sensitive care to underserved populations

PGY2 Outcomes

Observe and participate in applying the above knowledge to diagnose and manage individuals at risk for and who have these 3 conditions (*Patient Care, Medical Knowledge, Interpersonal and Communication Skills, Professionalism*)

Observe and participate in applying the above knowledge to develop, modify and carry out treatment plans for the most common occupational injuries requiring multiple visits. (*Patient Care, Medical Knowledge, Professionalism*)

Observe and participate in the decisions to appropriately refer patients to other care providers when appropriate (*Patient Care, Medical Knowledge, Interpersonal and Communication Skills, System's-Based Practice, Professionalism*)

PGY3 Outcomes

Independently apply with appropriate supervision the above knowledge to diagnose and formulate initial treatment plans for individuals at risk for and who have these 3 conditions (*Patient Care, Medical Knowledge, Interpersonal and Communication Skills, Professionalism*)

Independently apply with appropriate supervision the above knowledge to develop, modify and carry out treatment plans for these 3 conditions over multiple visits. (*Patient Care, Medical Knowledge, Professionalism*)

Independently suggest and with appropriate supervision carry out decisions to appropriately refer patients to other parts of the health care system (*Patient Care, Medical Knowledge, Interpersonal and Communication Skills, System's-Based Practice, Professionalism*)

3. Demonstrate a commitment to prevention by integrating general preventive health care advice (e.g. smoking cessation counseling, brief dietary counseling) when appropriate in clinical encounters in a sensitive and professional manner within the context of the health care services available to the particular patient. (ACGME Competencies: All 6)

PGY2 Outcome

Observe and participate in providing appropriate prevention counseling to patients seen for another chief complaint, particularly counseling which while unrelated to the immediate cause of the chief complaint might improve the condition more quickly or completely. (ACGME Competencies: All 6)

PGY3 Outcome

Independently provide with appropriate supervision prevention counseling to patients seen for another chief complaint, particularly counseling which while unrelated to the immediate cause of the chief complaint might improve the condition more quickly or more completely. (ACGME Competencies: All 6)

4. Become familiar with the laws and regulations covering community health centers* (*Medical Knowledge, Practice-Based Learning and Improvement, System's-Based Practice, Interpersonal and Communication Skills, Professionalism*)

PGY2 Outcomes

Observe and participate in applying the above knowledge to develop, propose, carry out and/or access quality improvement projects for AJHC (ACGME Competencies: 5 listed)

Assist with investigating appropriate laws and regulations when needed for the above or for presentations to staff and/or other residents. (ACGME Competencies: 5 listed)

PGY3 Outcome

Related PGY 2 outcomes and,

Independently provide research on laws and regulation of community health centers in the form of presentations and/or brief papers to assist decision making by AJHC staff and/or board (ACGME Competencies: 5 listed)

5. Become familiar with how decision are made regarding governance and policies of community health centers* (*Medical Knowledge, Practice-Based Learning and Improvement, System's-Based Practice, Interpersonal and Communication Skills, Professionalism*)

PGY2 Outcome

Observe and participate in decision making meetings such as staff meetings and board of directors meetings. (ACGME Competencies: 5 listed)

Observe and participate in decision making meetings including community members and AJHC board members/staff. (ACGME Competencies: 5 listed)

Assist with investigating appropriate laws and regulations when needed for the above or for presentations to staff, board members, community members, and/or other residents. (ACGME Competencies: 5 listed)

PGY3 Outcome

Related PGY 2 outcomes and,

Independently provide research on policies or experiences of other community health centers in the form of presentations and/or brief papers to assist decision making by AJHC staff and/or board. (ACGME Competencies: 5 listed)

C. Finger Lakes Health Systems Agency

1. Be able to knowledgably discuss differences between United States Preventive Task Force Services recommendations for chronic disease (hypertension and cardiovascular disease) prevention and screening and specialty or health-advocacy organization based recommendations. (ACGME Competencies: Medical Knowledge, Practice-Based Learning & Improvement, Interpersonal & Communication Skills)

PMRY1 Objectives

Observe and participate in giving a presentation regarding these factors for one or all of these diseases to fellow professionals, medical students, and/or the general public.

Participate in creating or revising teaching materials to assist with educating health care workers and/or the general public regarding some aspect of prevention.

PMRY2 Objectives

Independently create teaching materials to assist with educating health care workers or the general public regarding some aspect of prevention.

Independently present or lead a discussion amongst your colleagues about the differences between recommendations and the possible reasons for them.

2. Learn about community-based interventions to encourage recommended health behaviors to prevent diabetes and/or cardiovascular disease. (ACGME Competencies: Medical Knowledge, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, Professionalism)

PMRY1 Objectives

Observe and participate in applying the above knowledge to develop or operate a program to increase activities that reduce the risk of one or more of these diseases and in communicating this plan to stakeholders.

Observe and participate in investigating laws or policies that would discourage activities that increase the risk of these diseases, and/or encourage activities that reduce burden of these diseases.

PMRY2 Objectives

Participate and independently apply the above knowledge to develop or operate a program to increase activities that reduce the risk of one or more of these diseases and in communicating this plan to stakeholders.

Independently and participate in investigating laws or policies that would discourage activities that increase the risk of these diseases, and/or encourage activities that reduce burden of these diseases.

3. Learn how to build collaborations with various stakeholders and community members themselves to work together on policies or activities to improve the health of the entire community (ACGME Competencies: Medical Knowledge, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, Professionalism)

PMRY1 Objectives

Observe and participate in community collaborative meetings with members of the community exploring or developing a specific activity or policy to improve the health of the community.

Observe and participate in community collaborative meetings on initiatives to improve a specific aspect of the community's health with leaders of the community and business leaders.

Observe and participate in meetings of the CCH staff and/or leadership with various departments of the medical center or various faculty members to assist them in their outreach to the community.

PMRY2 Objectives

Participate in community collaborative meetings with members of the community exploring or developing a specific activity or policy to improve the health of the community.

Independently present information to a community collaborative meeting to assist with their activities.

Participate in community collaborative meetings on initiatives to improve a specific aspect of the community's health with leaders of the community and business leaders.

Independently present information at such a meeting to assist with their activities.

4. Learn about and participate in community-wide efforts to decrease hospital re-admission rates (ACGME Competencies: Medical Knowledge, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, Systems-Based Practices, Professionalism)

PMRY1 Objectives

Observe and participate in staff meetings with the part of CCH responsible for tracking these diseases in the community.

Talk with leadership of CCH regarding the programs and grants available for tracking these diseases.

Participate in data gathering activities for filing a case report of one of the diseases tracked

Participate in analyzing data evaluating this effort.

Assist with presenting either education to staff involved with this effort or data evaluating the effectiveness of efforts so far to staff or other stakeholders in this effort.

PMRY2 Objectives

Same as PMRY1 Objectives and

Independently analyze data evaluating this effort.

Independently present either education to staff involved with this effort or data evaluating the effectiveness of efforts so far to staff or other stakeholders in this effort. (Alternative is to this for another major community-wide project led by FLSHA).

Optional: Independently perform your capstone project or MPH thesis using data from CCH's tracking of infectious diseases in the community.

D. Monroe County Public Health Department

Goals and Objectives

A. Learn about the key communicable disease control activities of a local health department (STD, TB and Immunization clinics)

Shared PMRY1 and PMRY2 Objectives

1. Demonstrate the independent ability to provide culturally sensitive, evidence-based screening, diagnosis and treatment of sexually transmitted infections (STI) (*PC; MK; IPCS; PBL; P*)
2. Participate in STI control activities at the population level such as partner notification (*PC; MK; IPCS; PBL; SBP; P*)
3. Demonstrate the independent ability to provide culturally sensitive, evidence-based screening, diagnosis and treatment of latent and active TB (STI) (*PC; MK; IPCS; PBL; P*)
 - 3a. Demonstrate understanding of the difference between the interferon-gamma release assays (QuantiFERON) and tuberculin skin by using them appropriately to screen for TB (*PC; MK*)
 - 3b. Appropriately choose, with appropriate supervision, antibiotic therapy based on latent vs. active infection, concern for resistant TB and other patient factors (*PC; MK*)

4. Participate in surveillance activities for potential infectious disease outbreaks and if possible investigations into and control of active outbreaks (*PC; MK; PBL*)
5. Demonstrate the independent ability to provide culturally sensitive immunization services based on recommended schedules, history of prior immunizations and potential contraindications diagnosis and) (*PC; MK; IPCS; PBL; P*)
6. Demonstrate a consistently positive willingness to learn about these areas from supervisors and staff members with various professional and cultural backgrounds (*PBL; P*)

Additional PMRY2 Objectives

Are the same except PMRY2 are expected to more quickly demonstrate independence and to

- 7a. Independently research and present a staff continuing education lecture on the latest updates in care in either TB, STI or immunizations (*PC; MK; IPCS; PBL; P*)
- 7b. Independently research and participate in giving a presentation on a communicable disease control issues to a lay audience (*MK; IPCS; PBL; P*)

B. Learn about and participate in required and other key environmental health activities of a local health department

Shared PMRY1 and PMRY2 Objectives

1. Participate in lead poison prevention activities of the county including legally required home inspections and voluntarily inspections (*MK; IPCS; PBL; P*)
2. Participate in restaurant inspections(*MK; IPCS; PBL; SBP; P*)
3. Participate in animal control/ rabies and pest control activities e.g. lice, bed bugs, and mold) of the public health department (*MK; IPCS; PBL; SBP; P*)
4. Participate in field work concerning enforcement of clean drinking water and sanitation laws (*MK; IPCS; PBL; SBP; P*)

C. Learn about required and/or effective maternal and child health public health activities performed at a local level

Shared PMRY1 and PMRY2 Objectives

1. Observe and participate in Women and Infant Children's Nutrition Services nutritionist-client conversations (*All 6 competencies*)
2. Observe and participate in Early Intervention and Nurse Family Partnership home visits and learn about the differences in the programs in terms of eligibility and requirement on local health departments to carry them out (*All 6 competencies*)

D. Learn about the organization, leadership and funding of a local health department and its involvement with setting local health policy and enforcing laws

Shared PMRY1 and PMRY2 Objectives

1. Observe and participate in Board of Health Meetings to learn about its policy making, law-enforcement and other functions (*MK; IPCS; PBL; SBP; P*)
2. Observe County legislature and its health subcommittee meetings to learn about its policy and budget setting functions (*MK; IPCS; PBL; SBP; P*)
3. Assist County Director of Public Health by researching and summarizing a portion of a topic that s/he needs to present to the Board of Health, the County legislature or one of its subcommittees in relation to a policy making decision. (*MK; IPCS; PBL; SBP; P*)
4. Observe and participate in at least one Public Health Emergency Management training exercise that tests Incident Command System and Point of Distribution functions (*All 6 competencies*)
5. Observe and participate in Dept of Public Health staff meetings. (*MK; IPCS, PBL, P*)
6. Participate in the preparation and presentation of at least one staff continuing education session (*MK; IPCS, PBL, P*)

PMRY2 Objectives

7. Lead the preparation and presentation of at least one staff continuing education session and/or item 8 below (*MK; IPCS, PBL, P*)
8. Lead the research and preparation of a presentation the Director of Public Health is requested to make regarding policy discussions (*MK; IPCS, PBL, P*)
9. Participate in grant application preparation by writing sections of a grants (*IPCS, PBL, P*)

ACGME Competencies

PC = Patient Care,

MK =Medical Knowledge,

PBL=Practice-Based Learning & Improvement,

IPCS= Interpersonal & Communication Skills,

SBP= Systems-Based Practice

P= Professionalism

E. NY State Dept of Health

1. Learn about and participate in the development of state health policies and laws (ACGME

Competencies: Medical Knowledge, Systems-Based Practice, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, Professionalism)

PMRY2 Objectives (Rotation only available to PMRY2 Year residents*)

Participate actively in internal NYSDOH meeting related to the development of state health policies and laws. (ACGME Competencies: All 5 listed)

Participate actively in NYSDOH meetings with other departments of NYS state government, legislators and/or external groups related to the development of state health policies and laws. (ACGME Competencies: All 5 listed)

Independently provide and present research regarding potential state public health laws or policies or the effectiveness of current policies. (ACGME Competencies: All 5 listed)

2. Learn about how the state government enforces national and state laws relating to the provision of health care and public health (ACGME Competencies: Patient Care (at a population level);

Medical Knowledge, Systems-Based Practice, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, Professionalism)

PMRY2 Objectives (Rotation only available to PMRY2 Year residents*)

Participate actively in internal NYSDOH meeting related to the enforcement of state and/or national health policies and laws. (ACGME Competencies: All 6 listed)

Participate actively in NYSDOH meetings with other departments of NYS state government, legislators and/or external groups related to the enforcement of state and/or national health policies and laws. (ACGME Competencies: All 6 listed)

Independently provide and present research regarding state public health laws or policies or the effectiveness of enforcing these policies. (ACGME Competencies: All 6)

3. Learn about the different ways and areas that a state health department interacts with local health departments depending on each's available capacities. (ACGME Competencies: Medical

Knowledge, Systems-Based Practice, Interpersonal & Communication Skills, Professionalism)

PMRY2 Objectives (Rotation only available to PMRY2 Year residents*)

Participate actively in NYSDOH meetings with local public health departments related to the development/enforcement/implementation/evaluation of public health laws, policies and/or programs; or in meetings in which NYSDOH assists the local health department in such things as emergency disaster management or disease outbreak investigations. (ACGME Competencies: All 4 listed)

Independently provide research and assist in presenting it at one or more of these meetings. (ACGME Competencies: All 4 listed)

Independently identify the level of prevention (eg. Primary, secondary...) targeted by the different interventions discussed at meetings attended. (ACGME Competencies: All 4 listed)

Actively participate in discussions of barriers and how to overcome them regarding coordinating with local health departments in general and specifically and how these issues effective implementation of public health policies and programs. (ACGME Competencies: All 4 listed)

4. Learn about the development, implementation and assessment of public health interventions at the state level. (ACGME Competencies: Patient Care (at a population level); Medical Knowledge, Systems-Based Practice, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, Professionalism)—Applies to each objective

PMRY2 Objectives (Rotation only available to PMRY2 Year residents*)

Participate actively in internal NYSDOH meeting related to the development and implementation of public health interventions.

Participate actively in NYSDOH meetings with other departments of NYS state government, legislators and/or external groups related to the development and or implementation of public health interventions at the state-wide level.

Independently provide and present research regarding potential public health interventions or the assessment regarding an ongoing program and make an independent recommendation on whether a specific policy should be pursued or altered.

5. Learn about how the NYSDOH interacts with non-governmental (non-profit) health advocacy organizations (e.g. American Cancer Society) to develop policies and programs to improve the public's health (ACGME Competencies: Medical Knowledge, Systems-Based Practice, Interpersonal & Communication Skills, Professionalism)-- Applies to each objective

PMRY2 Objectives (Rotation only available to PMRY2 Year residents*)

Participate actively in a NYSDOH meeting with **with a non-governmental (non-profit) health advocacy organization** to discuss the development and or implementation of a public health intervention, policy or law at the state-wide level.

Independently provide a portion of and help present research regarding potential public health interventions, laws, or policies at such a meeting.

Independently provide a portion of and help present an evaluation of an ongoing public.

6. Learn about the many activities of the NYSDOH, its organization and management. (ACGME Competencies: Medical Knowledge; Systems Based Practice)

PMRY2 Objectives (Rotation only available to PMRY2 Year residents*)

Observe administrative meetings of the NYSDOH.

Review an organizational chart and funding of the NYSDOH with preceptor at NYSDOH.

F₁. Xerox—Medical Health and Wellness Services² (Generally done in first year)

Overall Goal

To provide practical experience in clinical patient care activities in occupational and environmental medicine, as well as clinical preventive medicine, and population-based activities in occupational and environmental medicine, as well as population-based activities related to public health, disease prevention and health promotion.. Gain exposure to GPM/PH core competencies and ACGME competencies as applicable to this rotation site, and outlined in the competency/rotation matrix, with activity levels (e.g. observe, participate, independently perform) increasing from the first year of training to the second.

Specific: Learning Goals and Objectives

- 1. Learn about the epidemiology, risk factors, diagnosis and treatment of the most common occupational injuries and occupational toxic exposures in the United States, through didactic instruction and management of specific patients in an outpatient setting, along with appraising and incorporating evidence from the scientific literature relevant to the patients they are seeing.. (ACGME Competencies: All 6)**

PMRY1 Objectives

- Observe and participate in applying the above knowledge to diagnose and formulate initial treatment plans for the most common occupational injuries including but not limited to back pain, carpal tunnel syndrome, minor burns and wounds requiring closure. (*Patient Care, Medical Knowledge*)
- Observe and participate in applying the above knowledge to develop, modify and carry out treatment plans for the most common occupational injuries requiring multiple visits. . (*Patient Care, Medical Knowledge*)
- Observe and participate in the decisions to appropriately refer patients to other parts of the health care system both within the workers compensation systems and with the patient's general system of care. (*System's-Based Practice*)
- Participate in communicating diagnosis and treatment plan to patient and to the care providers to which the patient is referred. (*Interpersonal and Communication Skills ,and Professionalism*)
- Read and discuss readings with preceptor on at least one patient seen in clinic per day. (*Practice-Based Learning*)

PMRY2 Objectives

- Independently apply with appropriate supervision the above knowledge to diagnose and formulate initial treatment plans for the most common occupational injuries including those listed above for PMY1. (*Patient Care, Medical Knowledge*)
- Independently apply the above knowledge to develop, modify and carry out treatment plans for the most common occupational injuries requiring multiple visits. (*Patient Care, Medical Knowledge*)
- Independently suggest and with appropriate supervision refer patients to other parts of the health care system both within the workers compensation system and with the patient's general system of care, based not only on clinical need but also after consideration of cost and risk-benefit analysis . (*System's-Based Practice*).
- Independently communicate diagnosis and treatment plan to patient and to the care providers to which the patient is referred.(*Interpersonal and Communication Skills ,and Professionalism*)
- Read and discuss readings with preceptor on at least one patient seen in clinic per day. (*Practice-Based Learning*)

- 2. Become generally familiar with the laws and regulations covering industry and employers regarding protecting workers from injury and toxic exposures as well as the general principles of risk reduction. (ACGME Competencies: All 6)**

PMRY1 Objectives

- Observe and participate in applying the above knowledge to develop and propose risk reduction strategies treatment plans for the most common occupational exposures. (*Patient Care, Medical Knowledge, Practice-Based Learning and Improvement*)
- Assist with investigating appropriate laws and regulations when needed for the above or for presentations to staff and/or other residents. (*Practice-Based Learning and Improvement, Interpersonal and Communication Skills, Professionalism*)
- Participate in at least one real-time response to an environmental or workplace safety issue at a site or company-wide level. (*Patient Care, Medical Knowledge, Practice-Based Learning and Improvement, System's-Based Practice, Interpersonal and Communication Skills, Professionalism*)

Participate in the development and/or delivery of at least one employee or provider health communication. (*Medical Knowledge, Practice-Based Learning and Improvement, Interpersonal and Communication Skills*)

PMRY2 Objectives

Same as PM1 objectives +

Independently contribute a portion of the real-time response to an environmental, workplace safety or product safety issue at a site or company-wide level. (*Patient Care, Medical Knowledge, Practice-Based Learning and Improvement, System's-Based Practice, Interpersonal and Communication Skills, Professionalism*)

Independently develop and present all or a portion of at least one employee or provider health communication. (*Medical Knowledge, Practice-Based Learning and Improvement, Interpersonal and Communication Skills*)

3. Become familiar with the laws, procedures and common problems surrounding drug testing of employees. Develop an understanding of differences governing pre-employment testing and testing while employed. (ACGME Competencies: Patient Care, Medical Knowledge, Professionalism, Interpersonal and Communication Skills)

PMRY1 and 2 Objectives combined due to strict laws preventing residents from doing drug testing independently

Observe and participate in applying the above knowledge to assist staff with drug testing—both pre-employment and screening during employment.

4. Demonstrate a commitment to prevention by integrating general preventive health care advice (e.g. smoking cessation counseling, brief dietary counseling) when appropriate in clinical encounters in a sensitive and professional manner.

(*ACGME Competencies: All 6*)

PMRY1 Objectives

Observe and participate in providing appropriate prevention counseling to patients seen for another chief complaint, particularly counseling which while unrelated to the immediate cause of the chief complaint might improve the condition more quickly or completely. (*Patient Care, Medical Knowledge, Interpersonal and Communication Skills*)

Participate in at least one corporate level policy or program development activity in the area of disease prevention, health promotion, occupational health and safety, environmental health and sustainability, or product safety. (*Medical Knowledge, Interpersonal and Communication Skills, Practice-Based Learning and Improvement, System's-Based Practice,*)

PMRY2 Objectives

Independently provide with appropriate supervision prevention counseling to patients seen for another chief complaint, particularly counseling which while unrelated to the immediate cause of the chief complaint might improve the condition more quickly or completely. (*Patient Care, Medical Knowledge, Interpersonal and Communication Skills*)

Independently contribute to at least one corporate level policy or program development activity in the area of disease prevention, health promotion, occupational health and safety, environmental health and sustainability, or product safety, by providing review of the literature or performing analysis to evaluate potential effectiveness or cost-effectiveness of the proposed program and presenting the results. (*Medical Knowledge, Interpersonal and Communication Skills, Practice-Based Learning and Improvement, System's-Based Practice,*)

F₂. Xerox— Environment, Health, Safety, Sustainability

Goals and Learning Objectives

1. Learn about the epidemiology, risk factors, diagnosis and treatment of the most common occupational injuries and occupational toxic exposures in the United States, through didactic instruction and management of specific patients in an outpatient setting, along with appraising and incorporating evidence from the scientific literature relevant to the patients they are seeing. (ACGME Competencies: All 6)

PMRY1 Objectives

- Observe and participate in applying the above knowledge to diagnose and formulate initial treatment plans for the most common occupational injuries including but not limited to back pain, carpal tunnel syndrome, minor burns and wounds requiring closure. (*Patient Care, Medical Knowledge*)
- Observe and participate in applying the above knowledge to develop, modify and carry out treatment plans for the most common occupational injuries requiring multiple visits. . (*Patient Care, Medical Knowledge*)
- Observe and participate in the decisions to appropriately refer patients to other parts of the health care system both within the workers compensation systems and with the patient's general system of care. (*Systems-Based Practice*)
- Participate in communicating diagnosis and treatment plan to patient and to the care providers to which the patient is referred. (*Interpersonal and Communication Skills ,and Professionalism*)
- Read and discuss readings with preceptor on at least one patient seen in clinic per day. (*Practice-Based Learning*)

PMRY2 Objectives

- Independently apply with appropriate supervision the above knowledge to diagnose and formulate initial treatment plans for the most common occupational injuries including those listed above for PMY1. (*Patient Care, Medical Knowledge*)
- Independently apply the above knowledge to develop, modify and carry out treatment plans for the most common occupational injuries requiring multiple visits. (*Patient Care, Medical Knowledge*)
- Independently suggest and with appropriate supervision refer patients to other parts of the health care system both within the workers compensation system and with the patient's general system of care, based not only on clinical need but also after consideration of cost and risk-benefit analysis . (*Systems-Based Practice*).
- Independently communicate diagnosis and treatment plan to patient and to the care providers to which the patient is referred. (*Interpersonal and Communication Skills ,and Professionalism*)
- Read and discuss readings with preceptor on at least one patient seen in clinic per day. (*Practice-Based Learning*)

2. Become generally familiar with the laws and regulations covering industry and employers regarding protecting workers from injury and toxic exposures as well as the general principles of risk reduction and emergency management following an exposure. (ACGME Competencies: All 6)

PMRY1 and 2 Objectives combined due to rarity of opportunities

- Observe and participate in applying the above knowledge to develop and propose risk reduction strategies treatment plans for the most common occupational exposures. (*Medical Knowledge, Practice-Based Learning; Interpersonal and Communication Skills; Professionalism*)
- Observe and participate in applying the above knowledge to develop, propose and possibly practice emergency response plans. (*All 6*)
- Assist with investigating appropriate laws and regulations when needed for the above or for presentations to staff and/or other residents. (*Medical Knowledge, Practice-Based Learning; Interpersonal and Communication Skills; Professionalism*)

3. Become generally familiar with the laws and regulations covering industry and employers regarding protecting the public from injury and toxic exposures and how they differ from the protection of workers (ACGME Competencies: All 6 except Patient Care)

PMRY1 and 2 Objectives combined due to rarity of opportunities

Observe and participate in applying the above knowledge to develop and propose risk reduction strategies for the most common industrial exposures. (*Medical Knowledge; Practice-Based Learning*)

Observe and participate in discussion on the whether to implement proposed risk reduction strategies becoming familiar with the metrics, such as return on investment and other considerations other than health in determining whether to implement changes. (*Medical Knowledge, Practice-Based Learning; Interpersonal and Communication Skills; Professionalism, Systems-Based Practice*)

Assist with investigating appropriate laws and regulations when needed for the above or for presentations to staff and/or other residents. (*Medical Knowledge, Practice-Based Learning; Interpersonal and Communication Skills; Professionalism*)

G. Center for Community Health

- 1. Be able to knowledgably discuss differences between United States Preventive Task Force Services recommendations for chronic disease (cancer, diabetes, and cardiovascular disease) prevention and screening and specialty or health-advocacy organization based recommendations.** (*ACGME Competencies: Medical Knowledge, Practice-Based Learning & Improvement, Interpersonal & Communication Skills*)

PMRY1 Objectives

Observe and participate in giving a presentation regarding these factors for one or all of these diseases to fellow professionals, medical students, and/or the general public.

PMRY2 Objectives

Independently present or lead a discussion amongst your colleagues about the differences between recommendations and the possible reasons for them.

- 2. Learn about recommended health behaviors and counseling for such behaviors related to cancer, diabetes, and cardiovascular disease prevention.** (*ACGME Competencies: Medical Knowledge, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, Professionalism*)

PMRY1 Objectives

Observe and participate in applying the above knowledge to develop or operate a program to increase activities that reduce the risk of one or more of these diseases and in communicating this plan to stakeholders. (e.g. Give a talk and participate in a “Walk with a Doc” session or a Healthy Living Session)

Observe and participate in investigating laws or policies that would discourage activities that increase the risk of these diseases, and/or encourage activities that reduce burden of these diseases.

Observe and participate in Self-Determination Theory based counseling for smoking cessation, weight management and/or cholesterol control.

PMRY2 Objectives

Participate and independently apply the above knowledge to develop or operate a program to increase activities that reduce the risk of one or more of these diseases and in communicating this plan to stakeholders.

Independently and participate in investigating laws or policies that would discourage activities that increase the risk of these diseases, and/or encourage activities that reduce burden of these diseases.

Observe and participate in Self-Determination Theory based counseling for smoking cessation, weight management and/or cholesterol control.

3. Learn how to build collaborations with various stakeholders and community members themselves to work together on policies or activities to improve the health of the entire community to (*ACGME Competencies: Medical Knowledge, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, Professionalism*)

PMRY1 Objectives

Observe and participate in community collaborative meetings with members of the community exploring or developing a specific activity or policy to improve the health of the community.

Observe and participate in community collaborative meetings on initiatives to improve a specific aspect of the community's health with leaders of the community and business leaders.

Observe and participate in meetings of the CCH staff and/or leadership with various departments of the medical center or various faculty members to assist them in their outreach to the community.

PMRY2 Objectives

Participate in community collaborative meetings with members of the community exploring or developing a specific activity or policy to improve the health of the community.

Independently present information to a community collaborative meeting to assist with their activities.

Participate in community collaborative meetings on initiatives to improve a specific aspect of the community's health with leaders of the community and business leaders.

Independently present information to such a meeting to assist with their activities.

4. Learn about how the nation and localities track emerging infectious diseases, particularly nosocomial and antibiotic resistant diseases (*ACGME Competencies: Medical Knowledge, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, Systems-Based Practices, Professionalism*)

PMRY1 & 2 Objectives combined

Observe and participate in staff meetings with the part of CCH responsible for tracking these diseases in the community.

Talk with leadership of CCH regarding the programs and grants available for tracking these diseases.

Participate in data gathering activities for filing a case report of one of the diseases tracked

Optional: Independently perform your capstone project or MPH thesis using data from CCH's tracking of infectious diseases in the community.

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H. Community Health Improvement Practicum – Residents (CHIP-R)

1. Learn how to implement environmental change at a community level using best practices and population-based strategies to address common environmental determinants of health. (ACGME Competencies: All 6)

Examples: Clean lead poisoning from soil / houses, pass clean indoor air policies, establish healthy foods in vending machines, partner with worksite wellness programs.

PMRY1 Objectives

- Observe and participate in a needs assessment at the community level. (*Patient care, Medical knowledge, Interpersonal skills & communication, Professionalism*)
- Observe and participate in performing and presenting a literature search in order to find the health risks associated with an environmental factor and whether it affects certain communities more than others. (*Medical knowledge, Interpersonal skills & communication*)
- Observe and participate in performing and presenting a literature search in order to find evidence-based community interventions for an environmental health problem (*Medical knowledge, Interpersonal skills & communication*)
- Observe and participate in applying the above knowledge to diagnose and formulate initial treatment plans for the most common environmental risks such as lead poisoned housing and materials, and second-hand smoke, in settings including but not limited to worksites, homes, hospitals, and campuses. (*Patient care, Medical knowledge*)
- Observe and participate in applying the above knowledge to develop, modify and carry out treatment plans at the community or sub-population level for the most common environmental risks requiring multiple visits. (*Patient care, Medical knowledge*)
- Participate in communicating population-based diagnoses and/or guideline-based treatment plans to agencies, to the community and to care providers who treat individual patients. (*Systems-based practice, Interpersonal and communication skills, Professionalism*)
- Read and discuss readings with preceptor on at least one community health target population addressed per week. (*Medical knowledge, Practice-based learning, Interpersonal skills & communications*)

PMRY2 Objectives

Same as PMRY1 objectives plus

- Independently lead a project or a distinct part of a project, with appropriate supervision including frequent feedback, to communicate best practices to reduce environmental risk to a population/community. (*Medical knowledge, Practice-based learning, Interpersonal skills & communications, Professionalism*)
- Independently design and/or carry out at least a portion of a needs assessment. (*Patient care, Medical knowledge, Interpersonal skills & communication, Professionalism*)
- Independently perform and present a literature search in order to find the health risks associated with an environmental factor, whether it affects certain communities more than others, and/or find evidence-based community interventions for an environmental health problem. (*Medical knowledge, Interpersonal skills & communication*)

2. Learn how to affect health policies from both the inside and outside (ACGME Competencies: All 6)

Examples: Projects could involve meeting with legislators or policy makers (any level) to influence changes, such as lead poisoning policy on “acceptable” levels in housing, children’s bodies, cleanup strategies, state legislation on obesity prevention, Smoke-free Campus initiatives (URMC, Kodak).

PMRY1 Objectives

- Observe and participate in a health needs assessment at the community level. (*Patient care, Medical knowledge, Interpersonal skills & communication, Professionalism*)
- Observe and participate in performing a literature search in order to find the health risks associated with an issue being discussed and/or find evidence-based policies to address a potential health issue. (*Medical knowledge, Interpersonal skills & communication*)
- Observe and participate in applying the above knowledge to diagnose and formulate initial advocacy and policy change approaches for the most common risk factors including but not limited to safe housing, medical and public health related laws, and the obesity epidemic. (*Patient care, Medical knowledge*)
- Observe and participate in presenting information gathered in one or more of the first 2 objectives above to the community in preparation for lobbying decision makers. (*Medical knowledge, Practice-based learning, Interpersonal skills & communication, Professionalism*)
- Observe and participate in presenting information gathered in one or more of the first 2 objectives above to policy makers in a variety of sessions such as private meetings (e.g. one-one-one lobbying and internal policy discussion meetings) and large public forums (e.g. public hearings and legislative meetings). (*Systems-based practice, Interpersonal skills & communication, Professionalism*)
- Observe and participate in presenting information gathered in one or more of the first 3 objectives in an appropriately written report. (*Medical knowledge, Practice-based learning, Interpersonal skills & communication, Professionalism*)
- Observe and participate in the decisions that affect health policy development or change involving health care system both within the community, and with the patient's general system of care. (*Systems-based practice*)
- Participate in communicating health policy issues and advocacy strategies to agencies, to the community, and to health care provider systems. (*Interpersonal and communication skills, Professionalism*)
- Read and discuss readings with preceptor on at least 3 health policy issues per Rotation. (*Medical knowledge, Practice-based learning, Interpersonal skills & communications*)

PMRY2 Objectives

- Same as PMRY1 objectives plus
- Independently perform and summarize a literature search in order to find the health risks associated with an issue being discussed and/or find evidence-based policies to address a potential health issue. (*Medical knowledge, Interpersonal skills & communication*)
- Independently present information obtained in a literature search and/or needs assessment to policy makers or the public in small meeting and large meeting sessions. (*Medical knowledge, Interpersonal skills & communication, Professionalism*)
- Lead the formulation and development of an initial advocacy and/or policy change approach for a common health risk factor including but not limited to safe housing, medical and public health related laws, and the obesity epidemic. (*Patient care, Medical knowledge, Interpersonal skills & communication, Professionalism*)

3. Learn and use different program evaluation techniques to assess community based health interventions or specific health policies (ACGME Competencies: All 6 except patient care)

PMRY1 Objectives

- Observe and participate in applying evidence-based, program evaluation strategies to develop, inform, and assess population-based initiatives addressing common risk factors including but not limited to injuries, chronic diseases, smoking and obesity. (*Medical Knowledge, Practice-based learning, Systems-based practice, Interpersonal and communication skills, Professionalism*)
- Observe and participate in using logic models for program evaluation. (*MK, SBP*)
- Observe and participate in using the SWOT technique for program evaluation. (*MK, SBP*)

- Observe and participate in using qualitative techniques in a program evaluation. *(MK, SBP)*
- Observe and participate in applying the above knowledge to develop, modify and carry out program evaluation strategies on existing programs requiring multiple visits. *(Medical Knowledge, Practice-based learning, Systems-based practice, Interpersonal and communication skills, Professionalism)*
- Participate in communicating program evaluation results to the stakeholders in the program or policy evaluated. *(Interpersonal and communication skills, SBP, Professionalism)*
- Participate in communicating program evaluation strategies to agencies, to the community, and to health care provider systems. *(Interpersonal and communication skills, SBP, Professionalism)*
- Read and discuss readings with preceptor on program evaluation strategies on at least 3 community health interventions per Rotation. *(Practice-Based Learning)*

PMRY2 Objectives

- The learning objectives are the same but PMRY2 are expected to take independent leadership in a portion of the learning objectives, which must include:
- Independently use a logic model for program evaluation. *(MK, SBP, PBL)*
- Independently carry out a program evaluation of a program or policy that involves a SWOT analyses. *(MK, SBP, PBL)*
- Independently develop and give part or all of a presentation on program evaluation strategies to a professional audience. *(MK, IPSC, SBP, PBL)*

4 Learn about models of and implementation of programs for population-based health-risk behavior change that can be addressed at the community level. This should include program to reduce some of the most common risk behaviors affecting chronic disease including: smoking prevalence / interventions, diet, and physical activity opportunities for a target population (e.g., an entire community, a worksite, school system, neighborhood, patient population). (ACGME Competencies: All 6)

PMRY1 Objectives

- Observe and participate in the formative steps needed to develop a program such as assessing the needs, knowledge and priorities of a community. *(All 6)*
- Observe and participate in meetings with community partners, i.e. Partnership building, and debrief with preceptor about what occurred specifically why certain decisions/compromises were made. (Partnership building should include exposure to partnerships at various levels—the community, community agencies, government and health care-systems) *(IPSC, SBP, PBL, P)*
- Observe and participate in designing interventions based on different models of behavior/motivation such as “Stages of Change”, the Health Belief Model and the Self-determination model *(MK, SBP, IPSC, P)*
- Observe and participate in carrying out interventions based on different models of behavior. *(PC, MK, IPSC)*
- Observe and participate in program evaluation of such a program addressing one of these common risk factors or a common chronic disease. *(PC, MK, SBP)*
- Observe and participate in applying the results of a program evaluation to modify the program. *(PC, MK, IPSC, P)*
- Observe and participate in the decisions that inform interventions involving health care system both within the community, and with the patient’s general system of care. *(SBP)*
- Read and discuss readings with preceptor on population-based risk behavior change strategies on at least 3 interventions per Rotation. *(PBL)*

PMRY2 Objectives

- The learning objectives are the same but PMRY2 are also expected to take independent leadership in a portion of the learning objectives, which must include:
- Independently design and carry out all or part of a needs assessment. *(MK, SBP)*

Take leadership in designing all or part of an intervention to address a common health care issue.
(*MK, SBP*)

Independently prepare and present verbally background information on a health problem, a needs assessment, a proposed intervention, and/or a program evaluation of an existing program. (*MK, IPSC, SBP, PBL*)

Independently prepare and present in written form background information on a health problem, a needs assessment, a proposed intervention, and/or a program evaluation of an existing program.
(*MK, IPSC, SBP, PBL*)

5. Learn about barriers to care or healthy behaviors due to socioeconomic and racial/ethnic differences and the use of the Community-Based Participatory Research model in order to design culturally-sensitive public health policies and interventions

PMRY1 Objectives

Observe and participate in applying the Cultural Determinants of Health concept to use community-based participatory research (CBBR) strategies to develop, inform, and assess population-based initiatives addressing common risk factors including but not limited to injuries, chronic diseases, smoking and obesity. (*PC, MK, IPSC, P*)

Observe and participate in qualitative assessment to inform program development and/or program evaluation. (*MK, SBP, IPSC, P*)

Observe and participate in meetings to develop and/or continue public health initiatives using the CBPR model approach to ensure representatives within the cultural context of target populations are involved as decision-making. (*PC, MK, SBP, IPSC, P*)

Observe and participate in the decisions that affect community engagement and partnership-building involving health care system both (*SBP*)

Participate in communicating CBPR strategies to agencies, to the community, and to health care provider systems. (*PBL, IPSC*)

Read and discuss articles with preceptor on CBPR strategies used to inform public health interventions at least 3 times per Rotation. (*PBL, IPSC*)

PMRY2 Objectives

The learning objectives are the same but PMRY2 are also expected to take independent leadership in a portion of the learning objectives, which must include:

Lead a portion of a meeting related to an initiative using a CBPR approach and then debrief with the preceptor on how it went within 24 hours. (*PBL, IPSC, P*)

Independently present information to a multi-cultural audience (*MK, PBL, IPSC, P*)

Independently design and/or carry out a qualitative assessment that addresses cultural and/or racial barriers to health promoting behaviors in order to inform potential solutions to these problems.
(*MK, PBL, SBP, IPSC, P*)

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I. Department of Quality Improvement

1. Residents will become familiar with the regulation of health care facilities by the Federal and New York State Government and the various mechanisms each uses to ensure compliance to their policies.

(ACGME Competencies: Practice-Based Learning & Improvement, Interpersonal & Communication Skills, Systems-Based Practice, Professionalism)

PMRY1 Objectives

- Observe and participate in internal DQI meetings where Medicare and Medicaid required quality of care indicators are discussed
- Observe and participate in weekly meetings in which hospital's Chief Quality Officer (Dr. Panzer) meets with each division of DQI to discuss their activities and manage their priorities (e.g. meetings with the Office of Clinical Practice Evaluation which produces reports tracking Medicaid and Medicare Benchmark Indicators)
- Observe and participate in meetings where Medicare and Medicaid required quality of care indicators are presented by the DQI to various units of the hospital such as departments, medical staff council, hospital executive leadership
- Discuss with the hospital's Chief Quality Officer, the different roles the Federal government and the state government in effectively regulating medical providers and hospitals
- Talk with the staff of the different divisions of Division of Quality Improvement to learn about what they do and how it is affected by federal regulation and state regulation and laws.
- Observe and Participate in at least one real-time investigation (e.g. adverse event investigation) whether required by state law, the Joint Commission or initiated by the Institution.

PMRY2 Objectives

Same as PMY1 and;

- Independently investigate state laws or policies to clarify them and briefly present findings either in an oral presentation and/or short written report literature and prepare presentations regarding the epidemiology, risk factors and appropriate cancer screening practices for one or all of these cancers.
- Independently write a first draft of a portion of one real-time adverse event report investigation.
- Assist with the presentation of a real time investigation to interested parties outside DQI but within the medical center

2. Residents will learn about hospital policy development, adoption, implementation, and evaluation, regarding quality assurance and improvement.

(ACGME Competencies: Systems-Based Practice, Practice-Based Learning & Improvement, Professionalism)

PMRY1 Objectives

- Observe and participate in meetings involving the development and drafting of hospital policy
- Independently review the literature regarding at least one such policy to evaluate the evidence for the effectiveness of different policy approaches to the issue being addressed and communicate the findings to appropriate DQI staff.
- Assist with drafting at least one policy and provide input based on your experience as a clinical resident on all policies being discussed while you are on this rotation.
- Observe and participate in meetings between DQI and other interested parties within URMC in which these entities provide feedback on proposed policies that will affect them.
- Observe and participate in meetings of different URMC bodies such as the medical staff council and hospital board provide input and approve policies.

Participate in activities to communicate new policies to staff of URM C such as safety rounds in different units

PMRY2 Objectives

Same as PMRY1 and;

Independently draft a portion of or an entire policy related to a particular issue or independently review a policy requiring periodic review under the supervision of the chief policy writer at URM C as a possible capstone project for the rotation

Independently give a presentation regarding a recently developed policy to at least one interested party at URM C outside of DQI staff

3. Residents will learn about activities and programs to ensure patient safety and prevent medical complications in the population treated at URM C, such as nosocomial infections. Residents will also learn how such activities/programs are developed, implemented and evaluated. (ACGME Competencies: All 6)

PMRY1 Objectives

Observe and participate in meetings involving the operation of such programs and activities, for example infection control meetings and efforts to improve hand hygiene among hospital staff and visitors. Provide input based on your experience as a clinical resident and your training in preventive medicine/public health up to that point.

Assist with the review of the literature regarding at least one such program to evaluate the evidence for the effectiveness of this approach and potential alternative approaches to the issue being addressed and communicate the findings to appropriate DQI staff.

Assist with the presentation of these findings first to DQI staff and potentially to other interested parties at URM C

Assist with the development of at least one activity to ensure patient safety and/or improve quality of care.

Observe and participate in meetings between DQI and other interested parties to inform them of new activities or policies to improve quality of care and to spread the culture of patient safety (e.g. patient safety rounds on different units)

Observe and participate in meetings of different URM C bodies such as the medical staff council and hospital board provide input and approve new activities and programs to improve quality of care

Assist with the evaluation of a program/activity to ensure or improve quality of care

Assist DQI staff with the presentation of such a program

Observe and assist DQI staff as they prepare the weekly medical harm reports for distribution to medical center staff and participate in decision on what is included in them

Participate in writing the short narrative for the weekly Harm Report provided to all Strong Memorial Providers

PMRY2 Objectives

Same as PMRY1 and;

Independently review the literature regarding at least one such program to evaluate the evidence for the effectiveness of a specific approach URM C has adopted and potential alternative approaches. Communicate the findings to appropriate DQI staff in a formal oral presentation and/or written report.

Independently develop a portion of a new program or activity related to improving patient safety and/or quality of care as a possible capstone project for the rotation.

Independently evaluate the effectiveness of a program/activity to ensure or improve quality of care as a possible capstone project for the rotation

Independently present the findings of the evaluation or plans for a new program to DQI staff and then other interested parties at URM C either orally or in written form—preferably both.

Independently with appropriate guidance write the highlight piece for a weekly medical harm report

4. Residents will learn how failures to meet expected levels of care are evaluated and addressed to assist with quality assurance and improvement (*ACGME Competencies: Medical Knowledge, Systems-Based Practice, Practice-Based Learning & Improvement, Interpersonal Skills and Communication, Professionalism*)

PMRY1 Objectives

Observe and participate in meetings with Patient Relations Staff and the Chief Quality Officer. Meet with patient relation staff and participate with them as they handle patient complaints.

Discuss with them their observations about common problems, issues related to why patients complain and their frustrations.

Observe and participate in the tracking of nosocomial infections at URMC and the use of such reports to concentrate prevention efforts in units requiring the most improvement

Participate in the investigation of nosocomial infection outbreaks in particular units if they occur and in the development of efforts to end them.

Observe and participate in risk management meetings with DQI staff, hospital executive leadership and hospital legal council

Observe and participate in meetings between DQI and departments regarding follow-up of patient complaints, events causing actual patient harm and events involving both

Observe and participate in at least one root cause analysis evaluation due to an event for which the State requires that such an analysis is performed (If none required while on rotation, participate in at least one other adverse event investigation)

PMRY2 Objectives

Same as PMY1 and;

Independently draft a portion of a root cause analysis report or other adverse event investigation report with appropriate supervision

Independently give a portion of a presentation regarding the RCA the resident was involved with to an internal URMC office

5. Residents will learn about other aspects of the governance and management of a complex health provider, i.e. the University of Rochester Medical Center. (*ACGME Competencies: Systems-Based Practice, Practice-Based Learning & Improvement, Professionalism*)

PMRY1 Objectives

Observe and participate in weekly meetings of URMC executive leadership when appropriate

Observe weekly meetings of URMC executive leadership with department chairs/division chiefs to discuss quality assurance, quality improvement and risk management issues

Observe and participate in monthly meetings of URMC executive leadership, the Senior Associate Dean of Graduate Medical Education and the resident council.

Observe and participate in medical staff council meetings

Observe the Joint Meeting on Quality of Care Board and participate in discussions by DQI beforehand in how they assist with guiding the agenda and determine what they will present

Observe Medical Center Board Meetings and participate in discussions by DQI beforehand in how they assist with guiding the agenda and determine what they will present.

Assist with research or preparing a presentation for one of these meetings

PMRY2 Objectives

Same as PMY1 and;

Independently provide research for a presentation by DQI to one of these meetings

Independently prepare a portion of a presentation by DQI for one of these meetings

Present a portion of an DQI report at one of these meetings

- 6. Complete at least one capstone project related to one of the above learning goals which involves a formal presentation and/or written report.** (This is other than the Harm Report narrative)

J. U of R Occupational Medicine Clinic

- 1. Learn about the epidemiology, risk factors, diagnosis and treatment of the most common occupational injuries in the United States, through didactic instruction and management of specific patients in an outpatient setting, along with appraising and incorporating evidence from the scientific literature relevant to the patients they are seeing.** (ACGME Competencies: All 6)

PMRY1 Objectives

Observe and participate in applying the above knowledge to diagnose and formulate initial treatment plans for the most common occupational injuries including but not limited to back pain, carpal tunnel syndrome, minor burns and wounds requiring closure. (*Patient Care, Medical Knowledge*)

Observe and participate in applying the above knowledge to develop, modify and carry out treatment plans for the most common occupational injuries requiring multiple visits and rehabilitation such as back pain from injury, broken bones, and/or sprains from workplace injury. (*Patient Care, Medical Knowledge*)

Observe and participate in the decisions to appropriately refer patients to other parts of the health care system both within the workers compensation systems and with the patient's general system of care, based not only on clinical need but also after consideration of cost and risk-benefit analysis. (*System's-Based Practice*)

Participate in communicating diagnosis and treatment plan to patient and to the care providers to which the patient is referred. (*Interpersonal and Communication Skills ,and Professionalism*)

Read and discuss readings with preceptor on at least one patient seen in clinic per day. (*Practice-Based Learning*)

PMRY2 Objectives

Independently apply with appropriate supervision the above knowledge to diagnose and formulate initial treatment plans for the most common occupational injuries including those listed above for PMY1. (*Patient Care, Medical Knowledge*)

Independently apply the above knowledge to develop, modify and carry out treatment plans for the most common occupational injuries requiring multiple visits. (*Patient Care, Medical Knowledge*)

Independently suggest and with appropriate supervision refer patients to other parts of the health care system both within the workers compensation system and with the patient's general system of care, based not only on clinical need but also after consideration of cost and risk-benefit analysis . (*System's-Based Practice*).

Independently communicate diagnosis and treatment plan to patient and to the care providers to which the patient is referred. (*Interpersonal and Communication Skills ,and Professionalism*)

Read and discuss readings with preceptor on at least one patient seen in clinic per day. (*Practice-Based Learning*)

- 2. Become familiar with the epidemiology, risk factors, route of exposure, diagnosis, and treatment of the most common occupational toxic exposures.** (ACGME Competencies: All 6)

PMRY1 Objectives

Observe and participate in applying the above knowledge to diagnose and formulate initial treatment plans for the most common occupational exposures. (*Patient Care, Medical Knowledge*)

Observe and participate in applying the above knowledge to develop, modify and carry out treatment plans for the most common occupational exposures requiring multiple visits. (*Patient Care, Medical Knowledge*)

Observe and participate in the decisions to appropriately refer patients to other parts of the health care system both within the workers compensation systems and with the patient's general system of care, based not only on clinical need but also after consideration of cost and risk-benefit analysis. (*System's-Based Practice, Interpersonal and Communication Skills*)

Participate in communicating diagnosis and treatment plan to patient and to the care providers to which the patient is referred. (*Interpersonal and Communication Skills, and Professionalism*)

Read and discuss readings with preceptor on at least one patient seen in clinic per day. (*Practice-Based Learning*)

PMRY2 Objectives

Independently apply with appropriate supervision the above knowledge to diagnose and formulate initial treatment plans for the most common occupational injuries including those listed above for PMY1. (*Patient Care, Medical Knowledge*)

Independently apply the above knowledge to develop, modify and carry out treatment plans for the most common occupational injuries requiring multiple visits. (*Patient Care, Medical Knowledge*)

Independently suggest and with appropriate supervision carry out decisions to appropriately refer patients to other parts of the health care system both within the workers compensation system and with the patient's general system of care. (*System's-Based Practice, Interpersonal and Communication Skills*)

Independently communicate diagnosis and treatment plan to patient and to the care providers to which the patient is referred. (*Interpersonal and Communication Skills, and Professionalism*)

Read and discuss readings with preceptor on at least one patient seen in clinic per day. (*Practice-Based Learning*)

3. Become generally familiar with the laws and regulations covering industry and employers regarding protecting workers and the public from injury and toxic exposures as well as the general principles of risk reduction and emergency management following an exposure. (ACGME Competencies: All 6)

PMRY1 and 2 Objectives combined due to rarity of opportunities

Observe and participate in applying the above knowledge to develop and propose risk reduction strategies for the most common occupational exposures. (*Patient Care, Medical Knowledge, Practice-Based Learning and Improvement*)

Observe and participate in applying the above knowledge to develop, propose and possibly practice emergency response plans. (*Medical Knowledge, Practice-Based Learning and Improvement, System's-Based Practice, Interpersonal and Communication Skills, Professionalism*)

Assist with investigating appropriate laws and regulations when needed for the above and present results to staff and/or other residents. (*Practice-Based Learning and Improvement, Interpersonal and Communication Skills, Professionalism*)

Assist with performing required history and physical examination required by law for certain occupations and to maintain eligibility such as Dept of Transportation physicals. By end of rotation be able to perform evaluation independently with appropriate supervision. (*Patient Care, Medical Knowledge*)

4. Become familiar with the laws, procedures and common problems surrounding drug testing of employees. Develop an understanding of differences governing pre-employment testing and testing while employed. (ACGME Competencies: Patient Care, Medical Knowledge, Professionalism, Interpersonal and Communication Skills)

PMRY1 and 2 Objectives combined due to strict laws preventing residents from doing drug testing independently

Observe and participate in applying the above knowledge to assist staff with drug testing—both pre-employment and screening during employment

5. Demonstrate a commitment to prevention by integrating general preventive health care advice (e.g. smoking cessation counseling, brief dietary counseling) when appropriate in clinical encounters in a sensitive and professional manner within the context of the health care services available to the particular patient. (ACGME Competencies: Patient Care, Medical Knowledge, Interpersonal and Communication Skills, System's-Based Practice, Professionalism)

PMRY1 Objectives

Observe and participate in providing appropriate prevention counseling to patients seen for another chief complaint, particularly counseling which while unrelated to the immediate reason for the visit might improve the condition more quickly or completely. (*Patient Care, Medical Knowledge, Interpersonal and Communication Skills*)

Assist with referrals for preventive services such as smoking cessation or cancer screening. (*Interpersonal and Communication Skills, System's-Based Practice, Professionalism*)

PMRY2 Objectives

Independently provide with appropriate supervision prevention counseling to patients seen for another chief complaint, particularly counseling which while unrelated to the immediate cause of the chief complaint might improve the condition more quickly or completely. (*Patient Care, Medical Knowledge, Interpersonal and Communication Skills*)

Refer patients for preventive services such as smoking cessation or cancer screening. (*Interpersonal and Communication Skills, System's-Based Practice, Professionalism*)

K. Pediatric Pediatric Hypertension and Lipid Clinic

The two overall goals for this rotation are:

- 1. The resident will demonstrate the ability to screen children at high risk for hypertension and use the most current guidelines to diagnose and treat hypertension in children.**
- 2. The resident will demonstrate the ability to screen children at high risk for dyslipidemia and use the most current guidelines to diagnose and treat dyslipidemia in children.**

These goals will be met by meeting the following objectives in the same manner, listed by ACGME Competency. The objective are the same for first and second year Preventive Medicine Residents as it is expected any single resident will do this only once, though second year residents are expected to perform more independently

Patient Care:

- The resident will demonstrate the ability to perform a history and physical examination of children and adolescents with suspected or demonstrated or proven dyslipidemia and/or hypertension
- The resident will demonstrate the ability to discuss the prevention and management of dyslipidemia and hypertension in children and adolescents
- The resident will demonstrate the ability to discuss the selection and dosing of specific dyslipidemia and antihypertensive agents with patients and parents
- The resident will demonstrate the ability to discuss the management of children with or at risk for hypertension and/or dyslipidemia with both parents and child/adolescent in an age-appropriate and culturally sensitive manner.
- The resident will demonstrate the ability to use a multi-disciplinary team including nutritionists, nurses and physical therapists to provide care to patients and their families in this clinic

Medical Knowledge:

- The resident will demonstrate familiarity with the primary causes of dyslipidemia in children and adolescents including an appreciation of the attributable risks from genetics and lifestyle factors.
- The resident will demonstrate familiarity with the primary causes of hypertension in children and adolescents including an appreciation of the attributable risks from genetics, lifestyle factors and underlying disease processes. This includes the understanding that traditionally most severe hypertension in children came from underlying causes but that currently excessive weight is the primary risk factor in children.
- The resident will demonstrate the understanding of the approach to the management of hypertension in children and adolescents, including the appropriate emphasis on finding and treating underlying causes, the increasing population burden from excessive weight, and the particular concerns of using medications in developing individuals,
- The resident will demonstrate the understanding of the approach to the management of dyslipidemia in children and adolescents, including the appropriate emphasis on finding and treating underlying causes, the increasing population burden from excessive weight, and the particular concerns of using medications in developing individuals.

Systems Based Practice:

- The resident will demonstrate the ability to effectively utilize the clinical laboratories in assessing children and adolescents with dyslipidemia.
- The resident will demonstrate the ability to effectively utilize the clinical laboratories in assessing children and adolescents with hypertension.
- The resident will understand the importance of nutritionists and referral to community exercise programs in assisting patients and their families in managing hypertension and dyslipidemia.
- The resident will demonstrate understanding of the role of specialty pediatric preventive cardiology services can play in healthcare delivery system.

Interpersonal Skills and Communication:

- The resident will demonstrate the ability to communicate effectively with patients and family members of patients.
- The resident will demonstrate the ability to communicate effectively with other professionals

Professionalism:

- The resident will demonstrate respect in verbal and non-verbal communications with other medical providers at all levels, patients and their family members.
- Residents will demonstrate professionalism by dressing appropriately

Practice Based Learning and Improvement:

- The resident will demonstrate familiarity with the guidelines for the detection and management of dyslipidemia and hypertension in children and adolescents in general as well as particular guidelines for potentially at risk children.
- The resident will demonstrate the ability to undertake a primary literature review in order to critically analyze an issue of importance in pediatric preventive cardiology

L. Preventive Cardiology Clinic

PMRY1 Objectives

- Observe and participate in diagnosing the exact pattern of dyslipidemia in adult patients with simple and complex dyslipidemias and/or intolerance to prior treatment plans (*Patient Care; Medical Knowledge; Systems-Based Practice*)
- Independently calculate absolute cardiovascular disease risk factors and use it to participate in developing a treatment plan (*Patient Care; Medical Knowledge*)
- Participate in developing or modifying a comprehensive treatment plan to address the global cardiovascular disease risk of all patients seen, comprehensive in terms of addressing all present risk factors with both pharmaceutical and behavior change strategies (*Patient Care; Medical Knowledge; Systems-Based Practice*)
- Observe and participate in developing and communicating the pharmaceutical part of a treatment plan to patients (*Patient Care; Medical Knowledge; Practice-Based Learning; Interpersonal skill and communications*)
- Observe and participate in developing and communicating the behavioral risk factor modification part of a treatment plan to patients (*Patient Care; Medical Knowledge; Practice-Based Learning; Interpersonal skill and communications; Systems-Based Practice*)
- Observe and participate in providing care to adult patients with dyslipidemia in a multidisciplinary team, including one half day following a nutritionist (*All 6*)
- Observe and participate in the referral of patients to other clinicians to reduce other cardiovascular disease risk factors such as smoking cessation (*System-Based Practice; Interpersonal skills and communications; Professionalism*)

PMRY2 Objectives

- Independently diagnose, with appropriate supervision, the exact pattern of dyslipidemia in adult patients with simple and complex dyslipidemias and/or intolerance to prior treatment plans (*Patient Care; Medical Knowledge; Systems-Based Practice*)
- Independently calculate absolute cardiovascular disease risk factors and use it to participate in developing a treatment plan (*Patient Care; Medical Knowledge*)
- Participate in developing or modifying a comprehensive treatment plan to address the global cardiovascular disease risk of all patients seen, comprehensive in terms of addressing all present risk factors with both pharmaceutical and behavior change strategies (*Patient Care; Medical Knowledge; Systems-Based Practice*)
- Independently, with appropriate supervision, develop and communicate the pharmaceutical part of a treatment plan to patients (*Patient Care; Medical Knowledge; Practice-Based Learning; Interpersonal skills and communications*)
- Independently, with appropriate supervision, develop and communicate the behavioral risk factor modification part of a treatment plan to patients (*Patient Care; Medical Knowledge; Practice-Based Learning; Interpersonal skill and communications; Systems-Based Practice*)
- Participate in providing care to adult patients with dyslipidemia in a multidisciplinary team, including one half day following a nutritionist (*All 6*)
- Participate in the referral of patients to other clinicians to reduce other cardiovascular disease risk factors, such as smoking cessation counseling or ensuring follow-up with hypertension treatment (*System-Based Practice; Interpersonal skills and communications; Professionalism*)

M. Passport Health/International Travel Clinic

A. Learn about the epidemiology, prevention & management of travel related infectious diseases, most likely to affect international travelers, specifically including malaria and diarrheal illnesses, but not limited to these two issues. (ACGME Competencies: All 6)

PMR-Y1 Objectives

1. Observe and participate in developing country/region specific plans to prevent infectious diseases, including appropriate prophylaxis and vaccinations for individual travelers. (*Patient care, Medical knowledge, Interpersonal & communication skills, Practice-based learning & improvement*)
2. Observe and participate in providing the counseling and treatments developed for individual travelers. The hope is that at a minimum, residents will be involved in the pre-travel care (LOs 1 and 2) of with at least one traveler to each of the following regions/countries. (*Patient care, Medical knowledge, Interpersonal & communication skills, Professionalism*)
 - a. Sub-Saharan Africa
 - b. Rural South or Central America
 - c. China/Taiwan
 - d. South-East Asia
 - e. Southern Asia (Pakistan/India)
3. Observe and participate in diagnostic work-up and formulation of initial treatment plans for the most common international travel related infectious diseases. (*Patient care, Medical knowledge, Interpersonal & communication skills, Professionalism*)
4. Observe and participate in the decisions to appropriately refer patients to other areas of the health care system if any pre travel clearance is required. (*Patient care, Medical knowledge, Professionalism and Systems-based practice*)

PMR-Y2 Objectives

1. Participate and independently develop, with appropriate supervision, country/region specific plans to prevent infectious diseases, including appropriate prophylaxis and vaccinations for individual travelers. (*Patient care, Medical knowledge, Interpersonal & communication skills, Practice-based learning & improvement*)
2. Participate and independently provide, with appropriate supervision, the counseling and treatments developed for individual travelers. The hope is that at minimum residents will be involved in the pre-travel care (LOs 1 and 2) of with at least one traveler to each of the following regions/countries. (*Patient care, Medical knowledge, Interpersonal & communication skills, Professionalism*)
 - a. Sub-Saharan Africa
 - b. Rural South or Central America
 - c. China/Taiwan
 - d. South-East Asia
 - e. Southern Asia (Pakistan/India)
3. Participate and with appropriate supervision, independently provide initial diagnostic work-up and formulation of initial treatment plans for the most common international travel related infectious diseases. (*Patient care, Medical knowledge, Interpersonal & communication skills, Professionalism*)
4. Observe and participate in the decisions to appropriately refer patients to other areas of the health care system if any pre travel clearance is required. (*Patient care, Medical knowledge, Interpersonal & communication skills, Professionalism*)

B. Become familiar with the epidemiology, prevention & management of the most common non-infectious aspects of travel medicine. (ACGME Competencies: All 6 except SBP)

PMR-Y1 Objectives

1. Participate and individually review World Health Organization (WHO), the Centers for Disease Control (CDC) advisory statements; related to health issues for international travelers, and US Department of State's, warnings regarding travel safety in regions of conflict. (*Practice-based learning, Medical knowledge*)
2. Communicate the above information to team members for application to a particular patient and to generally increase general knowledge of the clinic staff. (*Practice-based learning, Medical knowledge, Interpersonal & communication skills, Professionalism*)
3. Observe and participate in applying the above knowledge to counsel individual patients prior to their journey. (*Patient care, Medical knowledge, Interpersonal & communication skills, Professionalism*)
4. Observe and participate in jet lag counseling & management. (*Patient care, Medical knowledge, Interpersonal & communication skills, Professionalism*)
5. Assist with researching, developing and giving an educational presentation on some aspect of travel medicine for use in either educating a group of travelers, clinic staff or outside providers. (*Medical knowledge, Interpersonal & communication skills, Practice-based learning, Professionalism*)

PMR-Y2 Objectives

1. Independently review World Health Organization (WHO), the Centers for Disease Control (CDC) advisory statements; related to health issues for international travelers, and US Department of State's, warnings regarding travel safety in regions of conflict. (*Practice-based learning, Medical knowledge*)
2. Communicate the above information to team members for application to a particular patient and to generally increase general knowledge of the clinic staff. (*Practice-based learning, Medical knowledge, Interpersonal & communication skills, Professionalism*)
3. Participate and independently apply, with appropriate supervision, the above knowledge to counsel individual patients prior to their journey. (*Patient care, Medical knowledge, Interpersonal & communication skills, Professionalism*)
4. Participate and independently provide, with appropriate supervision, jet lag counseling & management. (*Patient care, Medical knowledge, Interpersonal & communication skills, Professionalism*)
5. Independently research, develop and give an educational presentation on travel medicine for use in either educating a group of travelers, clinic staff, fellow residents, or outside providers. (*Medical knowledge, Interpersonal & communication skills, Practice-based learning, Professionalism*)

C. Become generally familiar with the laws and regulations covering travelers and travel insurance as well as the general principles of risk reduction following an untoward health or non-health related event. (ACGME Competencies: All 6)

PMR-Y1 Objectives

1. Observe and participate in applying the above knowledge to develop and propose risk reduction strategies for the most common travel related exposures. (*MK, IPCS, P, SBP*)
2. Observe and participate in applying the above knowledge to council patients on the emergency response plans. (*PC, MK, IPCS, P*)
3. Assist with the preparation and delivery of presentations regarding travel-related health laws and regulations to group of travelers or for the education of health care providers. (*MK, PBL, IPCS, P, SBP*)

PMR-Y2 Objectives

1. Independently apply the above knowledge to develop and propose risk reduction strategies for the most common travel related exposures. (*MK, IPCS, P, SBP*)
2. Participate in applying or independently apply with appropriate supervision the above knowledge to counsel patients on the emergency response plans. (*PC, MK, IPCS, P*)
3. Lead the preparation and delivery of presentations regarding travel-related health laws and regulations to group of travelers or for the education of health care providers. (*MK, PBL, IPCS, P, SBP*)

D. Demonstrate a commitment to disease prevention by integrating pertinent general preventive health care counseling in a sensitive and professional manner within the context of health advice provided based on the nature & destination of intended international travel. (ACGME Competencies: All 6)

PMR-Y1 Objectives

1. Observe and participate in providing appropriate counseling on sexually transmitted disease prevention for travelers to regions where sex industry is legal. (*Patient care, Medical knowledge, Interpersonal & communication skills, Professionalism*)
2. Observe and participate in providing appropriate counseling on recreational drug use and drunk driving while on vacation or business trips especially while travelling to Muslim countries. (*Patient care, Interpersonal & communication skills, Professionalism*)
3. Assist with researching, developing and giving an educational presentation on safe sex practice to a traveler or group of travelers. (*Medical knowledge, Interpersonal & communication skills, Practice-based learning, Professionalism*)

PMR-Y2 Objectives

1. Independently provide appropriate counseling on sexually transmitted disease prevention for travelers to regions where sex industry is legal. (*Patient care, Interpersonal & communication skills, Professionalism*)
2. Independently provide appropriate counseling on recreational drug use and drunk driving while on vacation or business trips especially while travelling to Muslim countries. (*Patient care, Interpersonal & communication skills, Professionalism*)
3. Independently prepare and give an educational presentation on safe sex practice to travelers. (*Medical knowledge, Interpersonal & communication skills, Practice-based learning, Professionalism*)

N. Toxicology Rotation

The two overall goals for this rotation are:

- 1. The resident will demonstrate the ability to diagnose and treat common accidental poisonings and counsel patients on preventing repeat poisoning by minimizing exposure**
- 2. The resident will demonstrate the ability to diagnose and treat common purposeful poisonings such as licit (e.g. acetaminophen, alcohol) and illicit drug overdoses (e.g. heroin, cocaine)**

These goals will be met by meeting the following objectives, listed by ACGME Competency. The objective are the same for first and second year Preventive Medicine Residents as it is expected any single resident will do this only once, though second year residents are expected to perform more independently

Patient Care:

- The resident will demonstrate the ability to perform a history and physical examination on patients with toxicologic problems.

- The resident will demonstrate the ability to discuss the management of common toxicologic problems including acetaminophen, salicylate, iron, tricyclic antidepressants, digoxin, and carbon monoxide poisoning.
- The resident will demonstrate the ability to discuss the selection and dosing of specific antidotal therapies.
- The resident will demonstrate the ability to discuss the appropriate selection and institution of invasive extracorporeal elimination procedures such as hemodialysis in overdose patients.

Medical Knowledge:

- The resident will demonstrate familiarity with the wide expanse of medical toxicology including the use and abuse of therapeutic drugs, drugs of abuse, chemical products (e.g. Toxic alcohols, caustics, hydrocarbons, pesticides), and natural toxins (e.g. Marine envenomations, snake bites, plant and mushroom poisoning).
- The resident will gain experience and insight into the issues of decontamination, gastric emptying, and general medical supportive care as it applies to the toxicologic patient.
- The resident will demonstrate understanding of the approach to toxic exposures during pregnancy.

Systems Based Practice:

- The resident will demonstrate the ability to effectively utilize the clinical laboratories in assessing patients with toxicologic problems.
- The resident will demonstrate understanding of the role of the poison control center in poison prevention, poison information, and toxicological consultation.
- The resident will appropriately refer patients to other services or speak with patient's current providers in other specialties when appropriate. (e.g. psychiatry in suspected suicide attempts)

Communication:

- The resident will demonstrate the ability to discuss the appropriate selection and institution of invasive extracorporeal elimination procedures such as hemodialysis in overdose patients.
- The resident will demonstrate the ability to communicate effectively with the primary team caring for patients, patients and family members of patients.

Professionalism:

- The resident will demonstrate respect in verbal and non-verbal communications with other medical providers at all levels, patients and their family members

Practice Based Learning and Improvement:

- The resident will demonstrate familiarity with the identification of poisonous plants and animals using various reference sources - textbooks, computerized references, and local experts in botany, entomology, herpetology, mycology and marine biology.
- The resident will demonstrate the ability to undertake a primary literature review in order to critically analyze an issue of importance in toxicology.

O. University Health Services

- 1. Learn about the epidemiology, risk factors, screening, diagnosis and management of the health conditions affecting young adults in an institutional environment—particularly mental health, substance abuse and sexual/reproductive health issues** (Patient care, Medical knowledge, Systems-based practice, Interpersonal and communication Skills, Professionalism)

PGY2 (PMRY1) Objectives

Observe and in applying the above knowledge to screen, diagnose and manage mental health and substance abuse issues in a population of young adults.

Observe and participate in sexual health counseling re pregnancy and STDs.

Observe and participate in ensuring students are up to date on recommended and required vaccinations.

Observe and participate in the decisions to appropriately refer patients to other care providers when appropriate.

PGY3 (PMRY3) Objectives

Independently apply with appropriate supervision the above knowledge to screen, diagnose and manage mental health issues and substance abuse in a population of young adults.

Independently with appropriate supervision provide sexual health counseling and care re pregnancy and STDs.

Independently with appropriate supervision assure that students are up to date on recommended and required vaccinations.

Independently suggest and carry out, with appropriate supervision decisions, to appropriately refer patients to other parts of the health care system including student counseling services.

2. Apply population health approaches to improve the health of a young-adult population in an open-institutional setting (ACGME Competencies: Patient care, Medical knowledge, Systems based practice, Interpersonal and communication skills, Professionalism, Practice-based learning)

PGY2 (PMRY1) Objectives

Observe and participate in a population wide campaign to inform the young adult population served by UHS about a health subject and prevention of morbidity from it, particularly related to one of the three listed.

PGY3 (PMRY3) Objectives

Independently assist in a campaign to inform the young adult population served by UHS about a health subject, particularly related to one of the three listed.

3. Provide culturally-sensitive care to a diverse adolescent and young adult population (ACME Competencies: Patient Care, Medical Knowledge, Systems Based Practice, Interpersonal and Communication Skills, Professionalism)

PGY2 (PMRY1) Objectives

Observe and participate in sexual health counseling, re pregnancy and STDs.

Observe and participate in screening, diagnosing and managing mental health issues in a population of young adults in the context of an educational setting.

PGY3 (PMRY3) Objectives

Independently with appropriate supervision counsel patients regarding sexual health issues, screen for STDs and pregnancy and manage such conditions as appropriate.

Independently with appropriate supervision, screen diagnose and managing mental health issues in a population of young adults in the context of an educational setting.

4. Demonstrate a commitment to prevention by integrating general preventive health care advice (e.g. smoking cessation counseling, brief dietary counseling) when appropriate in clinical encounters in a sensitive and professional manner within the context of the health care services available to the particular patient. (ACGME Competencies: Patient care, Medical knowledge, Systems based practice, Interpersonal and communication skills, Professionalism, Practice-based learning)

PGY2 (PMRY1) Objectives

Participate in identifying evidence-based prevention services to particular patients using USPSTF guidelines, as well as specialty society and CDC guidelines when appropriate

Participate in providing appropriate prevention counseling to patients seen for another chief complaint, particularly counseling which while unrelated to the immediate cause of the chief complaint might improve the condition more quickly or completely
Participate in developing and presenting materials to educate UHS staff regarding evidence-based preventive strategies or quality improvement strategies

PGY3 (PMRY3) Objectives

Independently identify with appropriate supervision the evidence-based prevention services for particular patients using USPSTF guidelines, as well as specialty society and CDC guidelines when appropriate.

Independently provide with appropriate supervision prevention counseling to patients seen for another chief complaint, particularly counseling which while unrelated to the immediate cause of the chief complaint might improve the condition more quickly or more completely

Independently develop and present materials to UHS staff regarding evidence-based preventive strategies or quality improvement strategies

5. Become familiar with how decision are made regarding governance and policies of a Student

Health Center* (ACGME Competencies: Systems-based practice, Interpersonal and communication skills, Practice-based learning)

PGY2 (PMRY1) Objectives

Observe and participate in decision making meetings such as staff meetings.

Observe and participate in meetings including staff and students.

Assist with investigating appropriate laws, regulations or the literature on student health centers when needed for the above or for presentations to staff, college faculty, and/or students.

PGY3 (PMRY3) Objectives

Related PGY 2 outcomes and,

Independently provide research on policies or experiences of other student health centers in the form of presentations and/or brief papers to assist decision making by UHS staff.

P. Center for Employee Wellness

1. Engage in clinical care of individuals focusing on : assessing health risk and developing personalized interventions including behavior and lifestyle modification strategies to reduce risk. . (ACGME Competencies: Patient Care, Medical Knowledge, Systems-Based Practice, Interpersonal & Communication Skills, Professionalism)

PMRY1 Objectives

Demonstrate understanding of major modifiable risk factors for the leading causes of morbidity and mortality and the differences in primary, secondary and tertiary prevention by participating in the interviewing and screening of patients for these risk factors.

Demonstrate understanding of the most effective ways of engaging individuals in modifying their major risk factors for disease and injury by participating in initial screening of individuals and individual counseling/follow-up visits. (e.g the 4 A model)

Learn about the use of theory-based group counseling sessions by observing and participating in such sessions (e.g. group weight management sessions, group smoking cessation counseling).

PMRY2 Objectives

Demonstrate understanding of major modifiable risk factors for the leading causes of morbidity and mortality and the differences in primary, secondary and tertiary prevention by independently interviewing and screening of patients for these risk factors, under appropriate supervision.

Demonstrate understanding of the most effective ways of engaging individuals in modifying their major risk factors for disease and injury by independently conducting/leading initial screening of

individuals and individual counseling/follow-up visits (e.g. the 4 A model), under appropriate supervision.

Learn about the use of theory-based group counseling sessions by observing and participating in such sessions under appropriate supervision (e.g. group weight management sessions, group smoking cessation counseling).

2. Evaluate population level data to identify risk, recommend interventions to improve population health and to inform meaningful clinical interventions. . (ACGME

Competencies: Medical Knowledge, Systems-Based Practice, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, Professionalism)

PMRY1 Objectives

Demonstrate understanding of the leading preventable causes of mortality and morbidity in the University of Rochester population, by participating in summarizing data from the employee wellness data base and comparing it to appropriate benchmarks.

Demonstrate understanding of epidemiologic concepts and techniques by participating in the design of such analyses

Demonstrate understanding of epidemiologic methods and comparisons by participating in the carrying out portions of these analyses

Demonstrate understanding of different types of individual and population interventions and how to weigh their advantages/disadvantages by participating in discussion of what interventions should be recommended based on the results of such analyses

Assist in communicating results of these analyses to various stakeholders by assisting in preparing and presenting such analyses in writing and/or verbally

PMRY2 Objectives

Demonstrate understanding of the leading preventable causes of mortality and morbidity in the University of Rochester population, by independently summarizing data from the employee wellness data base and comparing it to appropriate benchmarks.

Demonstrate understanding of epidemiologic concepts and techniques by leading the design of such analyses

Demonstrate understanding of epidemiologic methods and comparisons by independently carrying out an analysis plan of population data

Demonstrate understanding of different types of individual and population interventions and how to weigh their advantages/disadvantages by leading discussion of a particular recommendation based on the results of such an analyses

Lead or independently present in writing and/or verbally results of these analyses and recommendation based on them to various stakeholders

3. Synthesize data from various sources to evaluate program success including return on investment and cost/ benefit analysis. (ACGME Competencies: Medical Knowledge, Systems-Based Practice, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, Professionalism)

PMRY1 Objectives

Demonstrate knowledge of where to find data on ROI and cost/benefit analysis by assisting in a search for such evidence for a particular project

Demonstrate knowledge of how to evaluate such data by participating in discussions of the evidence found or participating in writing a summary of such data

Demonstrate knowledge of how to evaluate such data by participating in using such data to recommend (in writing or verbal presentation) a certain course of action regarding a studied intervention

PMRY1 Objectives

- Demonstrate knowledge of where to find data on ROI and cost/benefit analysis by independently searching for such evidence for a particular project
- Demonstrate knowledge of how to evaluate such data by leading discussions of the evidence found or independently writing a summary of such data
- Demonstrate knowledge of how to evaluate such data by independently using such data to recommend (in writing or verbal presentation) a certain course of action regarding a studied intervention

4. Use population level data to inform meaningful clinical interventions and population health. (ACGME Competencies: Medical Knowledge, Systems-Based Practice, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, Professionalism)

PMRY1 Objectives

- Demonstrate understanding of epidemiologic methods and comparisons by participating in discussions of publically available population data and their implications for informing a particular clinical and or population health intervention
- Demonstrate understanding of different types of individual and population interventions and how to weigh their advantages/disadvantages by participating in discussion of what interventions should be recommended based on publically available population population level data
- Participate in discussions of differences between United States Preventive Task Force Services recommendations for chronic disease (hypertension and cardiovascular disease) prevention and screening and specialty or health-advocacy organization based recommendations. (ACGME Competencies: Medical Knowledge, Practice-Based Learning & Improvement, Interpersonal & Communication Skills, Professionalism)
- Assist in developing and communicating practice recommendations for the wellness program based on publicly available

PMRY2 Objectives

- Demonstrate understanding of epidemiologic methods and comparisons by participating in discussions of publically available population data and their implications for informing a particular clinical and or population health intervention
- Demonstrate understanding of different types of individual and population interventions and how to weigh their advantages/disadvantages by leading discussion of a particular intervention and whether it should be recommended based on publically available population level data
- Participate in discussions of differences between United States Preventive Task Force Services recommendations for chronic disease (hypertension and cardiovascular disease) prevention and screening and specialty or health-advocacy organization based recommendations.
- Independently develop and communicate a specific practice recommendation for the wellness program based on publicly available population data