**Family Medicine 1&2 Rotation Learning Outcomes:**

Upon completion of FM 1 & 2, the clinical year PA student will possess **the medical knowledge, clinical and technical skills, interpersonal skills, professional behaviors, clinical reasoning and problem-solving abilities** necessary to demonstrate entry-level proficiency through demonstration of the following:

To obtain the following RLO’s, students will participate in clinical care of adult and elderly patients requiring assessment and management of acute, chronic and preventive health encounter types in an outpatient setting.

1. Obtain a focused history for acute and chronic encounters in adult and elderly patients in a family medicine setting. (C2)
2. Perform an appropriate problem-focused physical exam for acute and chronic encounters in adult and elderly patients. (C3)
3. Perform a comprehensive history and physical for preventive care in an adult patient. (C3)
4. Effectively communicate the relevant findings of the history and physical exam to the preceptor in an organized, concise manner. (C7)
5. From a working differential diagnosis, determine a presumptive diagnosis based on pertinent history and physical exam findings for acute and chronic conditions in adult and elderly patients in a family medicine setting. (C6)
6. Based on the patient presentation, recommend and interpret laboratory and diagnostic studies indicated for the evaluation of the presenting complaint. (C4)
7. Determine appropriate treatment plans implementing pharmacological and non-pharmacological approaches for acute and chronic conditions in adult and elderly patients in a family medicine setting. (C1)
8. Using evidence-based guidelines, recommend essential components of preventive care through health maintenance and disease prevention for adult and elderly patients in a family medicine setting. (C1)
9. Perform common procedures of family medicine including administration of IM injections/immunizations. (C5)
10. Accurately document family medicine patient encounters. (C8)
11. Demonstrate a professional, respectful and courteous manner in all encounters consistent with the role and responsibility of a Physician Assistant. (C9)
12. Exhibit effective communication skills reflective of patient-centered care that displays awareness and sensitivity to diverse patient populations. (C2, 9)

**Instructional Objectives for FM 1 & 2**

**Under appropriate preceptor supervision, by the end of this rotation, the clinical PA student will be able to demonstrate knowledge and competence pertaining to each of the Instructional Objectives (IOs are observable actions or behaviors) listed below in adult and elderly patients in acute, chronic and preventive patient encounters:**

**History Taking and Physical Exam Skills: The student should be able to demonstrate competency in the following:**

1. Conducting focused and comprehensive patient interviews based on clinical presentation in a family medicine setting.
2. Correlating current complaint with presented history and review of systems
3. Performing problem-focused physical examinations based on the clinical presentation in a family medicine setting.
4. Performing a comprehensive physical examination for preventive care.
5. Identifying normal and abnormal physical examination findings in a family medicine setting.

**Developing a differential diagnosis: The student should be able to demonstrate competency in the following:**

1. Presenting to the preceptor the significant history as it relates to possible differential diagnosis
2. Presenting to the preceptor the significant physical exam findings as they relate to possible differential diagnosis
3. Formulating a differential diagnosis with consideration to the most likely diagnosis, the most common diagnosis, as well as the most severe and/or life threatening diagnosis for conditions common to a family medicine setting.

**Selecting and Interpreting Laboratory and Diagnostic Studies: The student should be able to demonstrate competency in the following:**

1. Identifying indication for initial and subsequent diagnostic or laboratory studies for acute and chronic conditions in an outpatient family medicine setting.
2. Selecting appropriate common screening tests for medical conditions encountered in a family medicine setting.
3. Identifying cost effectiveness, benefits, contraindications, sensitivity and specificity, and informed consent for diagnostic studies or procedures.
4. Explaining risks associated with diagnostic studies or procedures to the patient.
5. Identifying normal and abnormal laboratory/diagnostic ranges and results for studies performed in an outpatient family medicine setting.
6. Performing the lab and diagnostic studies safely and with appropriate technique
7. Interpreting results of lab and diagnostic studies with accuracy.

**Developing, Documenting, and Executing an Assessment and Plan: Student should be able to demonstrate competency in the following:**

1. Correlating lab and diagnostic data to the differential diagnosis to help select the most likely diagnosis.
2. Demonstrating safe and accurate skill while performing procedures common in a family medicine setting.
3. Developing pertinent non-pharmacologic management plan in an outpatient family medicine setting including referrals to specialists, community resources, behavioral and/or psychological interventions.
4. Using evidence-based guidelines, recommend appropriate essential components of health maintenance and disease prevention such as health-risk assessment, immunization and health screenings for adult and elderly patients in a family medicine setting.
5. Documenting the patient encounter using SOAP note or site-specific template including patient education and follow-up recommendations.
6. Providing and documenting patient counseling and education that is patient-centered, culturally sensitive and inclusive to ensure patient’s understanding of the plan, including:
7. Health prevention, such as nutrition, safety, domestic violence screen, and substance use
8. Physical activity and exercise modifications
9. Necessary age-appropriate screenings and periodic health assessments
10. Adjustments to lifestyle changes related to ADLs, physical/mental impairment, and cultural background
11. Promotion of safety measures and prevention of violence/assault
12. Information regarding rehabilitative care, palliative care, death and dying as indicated
13. Attention to body, soul, and spirit with consideration of and sensitivity to patient’s religious/spiritual beliefs, health practices, and lifestyle choices

**Developing and Documenting Pharmaceutical Therapeutics and Treatment Modalities: The student should be able to demonstrate competency in the following:**

1. Discussing rationale for utilization of medications commonly prescribed in an outpatient family medicine setting including understanding of:
2. Mechanism of action
3. Indications for use
4. Contraindications
5. Side effects
6. Adverse reactions
7. Potential for drug-drug interactions
8. Therapeutic effects
9. Dosing
10. Cost-effectiveness
11. Drug toxicity
12. Identify risks for, and signs and symptoms of, drug interactions from polypharmacy
13. Methods to reduce medication errors
14. Cross-reactivity of similar medications
15. Selecting appropriate pharmacologic therapy for medical conditions encountered in an outpatient family medicine setting.
16. Reviewing patient’s current pharmacologic regimens and adjusting as appropriate
17. Managing adverse drug reactions
18. Documenting orders and prescriptions for medications being used in management of acute and chronic conditions.

**Applying Basic Science Concepts: The student should be able to demonstrate competency in the following:**

1. Identifying normal and abnormal human anatomy and physiology to correlate how it applies to conditions encountered in a family medicine setting.
2. Correlating pathophysiologic principles to specific disease processes
3. Correlating abnormal physical exam findings to a given disease process
4. Applying abnormal results of diagnostic tests to a given disease process

**Professionalism: The student should be able to demonstrate competency in the following:**

1. Demonstrating sensitivity to the emotional, social, and ethnic background of patients
2. Demonstrating respect for the privacy and confidentiality of each patient
3. Communicating and interacting professionally with other members of the healthcare team.
4. Identifying limitations and willingness to seek help from supervising preceptors, and referencing appropriate resources
5. Demonstrating an openness to receiving constructive criticism
6. Initiating independent outside research concerning clinical cases encountered
7. Performing duties with a professional attitude in such areas as attendance, dress code, and demeanor