UTILIZING A LONGITUDINAL CARE TOOL (LCT) TO TRACK CURRICULUM ACROSS THE CONTINUUM (WORKSHOP)

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Objectives

Explain the need for longitudinal care considerations in PA education. (3-4 minutes)

Describe the longitudinal care tool and how it can be incorporated. (11 minutes)

Utilize the LCT template to design a longitudinal curricular plan for a specific educational topic

Why do we need longitudinal care in physician assistant education?

- Reinforces important topics across the curriculum
- Adds value and continuity as the instruction builds upon itself throughout the entire length of the program
- Ensures that essential disease processes are included and sufficiently covered within the curriculum
- Longitudinal care is designed to guide and prepare PA students to become competent providers and provide exceptional care across the life span.
- Looks at the lifetime risk verus the snippet of care at one visit (patient-centered care).

What is the longitudinal care tool (LTC)?

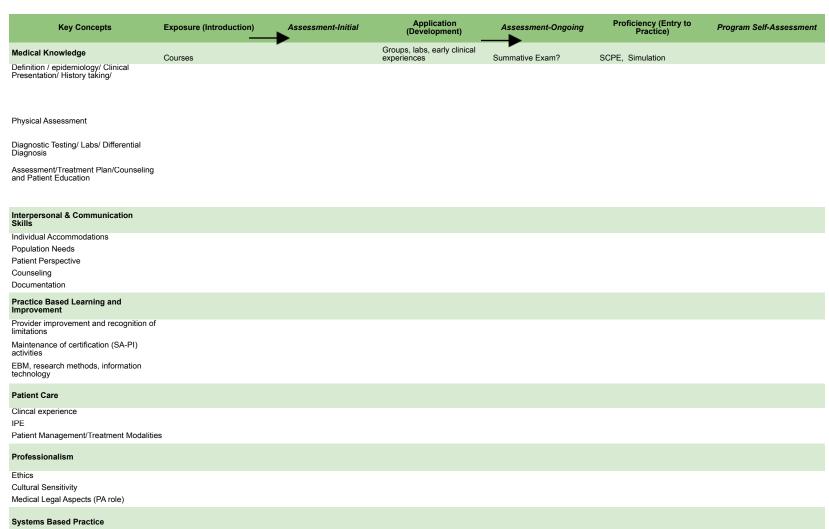
- Tool that looks at the pieces of curriculum across the continuum
- Reinforces integration of clinical and didactic education
- Provides a model for patient-centered longitudinal care
- Curriculum mapping tool
- Correlates with the competencies

Why?

- The CC is tasked to help provide resources and curriculum tools.
- Strategic look at the curriculum and think outside the box for resources to assist with clinical site shortages
- Provide continuity
- Benchmark PA student education
- Fulfill ARC-PA standards

Original Template

EBM/Informatics Health Care Delivery Coordination of Care Continuity of care



Key Concepts	Exposure (Introduction)	Assessment	Application (Development)	Assessment	Proficiency (Entry to Practice)	Program Assessment
	Courses			Summative Exam?	SCPE, Simulation	
Presentation/ History taking/	Team based learning, online modules, reading assignments	LO: Define epidemiology, pathophys, and clinical presentation. Identify pertinent lab/ dx tests. Method: Standardized tests, quizzes, peer presentations,	Practice applying skills through patient contact, simulation, presentations, role play	LO: Demonstrate sufficient medical knowledge to pass summative examination and PANCE. Method: OSCE, Team based projects, Capstones, Standardized exams	continuous self directed learning through practice, SA/PI activities, CME	
		LO: Demonstrate appropriate PE technique both in a full PE and a focused PE Method: Physical Examination testing	l	LO: Demonatrate a well organized and appropriate physical examination technique for full and focused problem. Method: OSCE, Clinical application during SCPE and assessed by preceptor	Apply appropriate physicial exam skills throughout career and document findings.	
-		to choose appropriate	Clinical Assessment, Clinical Medicine courses. Develop skills in determining appropriate lab/dx test to order in cases in didactic year. Develop skill in	appropriately order and	Demonstrate a well organized and supported differential diagnosis. Demonstrate prrofiency DD in standardized testing, summative examination	
Treatment Plan		LO: Identify components of the treatment plan. Method: Standarized exams, presentations, early clinical experiences.		LO: Develop a well-organized and pertinent treatment plan based on H&P, Labs/Dx test and DD. Demonstrate proficientcy in applying pharmacological, physical, surgical, nutritional, social approaches to treatment. Method: OSCE, SCPE as assessed by preceptor.	Create an appropriate treatment plan including medical, social, pharmacological, and surgical components or each patient in a standard period of time.	

Physical Assessment

Clinical Assessment Course, early clinical experiences, with initial focus on recognizing the Obese patient and considering Obesity-specific challenges to performing an adequate physical exam. Methods: teach accurate height, weight and BMI measurements.

LO: Demonstrate specific approaches and modifications of the PE technique for Obese patients both in a full PE and a focused PE

Method: Physical Examination testing, using an obese model patient. Special considerations when examining the obese patient; the bed, chairs or exam room. Highlight importance of a thorough exam and how to properly exam the obese patient.

Obesity Example

Diagnostic Testing/ Labs/ Differential Diagnosis	Clinical Medicine and Lab Medicine Courses. Methods: Use of BMI, etc. and limitations in application. Consider secondary causes of Obesity; Endocrine workup for secondary obesity, DEXA, etc. for measuring lean body mass. CVD risk-related lab studies,		Clinical Medicine courses. During Clinical Year. Method: Develop skill in determining cost-effective, pertinent labs/dx tests to order in the SCPE; Evaluate an obese patient and present to preceptor the patient's category of obesity, appropriate lab testing, if any, and discuss 3 types of secondary Obesity.	LO: Demonstrate ability to appropriately order and interpret pertinent labs/Dx Test for Obesity. Method: OSCE, Case based learning scenarios, SCPE as assessed by preceptor. Assess the community's resources/services for addressing the chronic disease and its contributing factors.	Demonstrate a well organized and supported differential diagnosis. Demonstrate profiency DD in standardized testing, summative examination
Assessment/Treatment Plan/Counseling and Patient Education	Pharmacology and clinical medicine courses in the didactic curriculum; SCE	LO: Identify components of the treatment plan. METHODS: Standarized exams, presentations, early clinical experiences.	Order and interpret appropriate labs/dx tests. Develop treatment plan based on clinical information and findings.	LO: Formulate the most likely diagnosis. Develop a well-organized and pertinent treatment plan based on H&P, Labs/Dx test and DD. Demonstrate proficiency in applying pharmacological, physical, surgical, nutritional, social approaches to treatment. METHODS: OSCE, SCPE as assessed by preceptor. Assess the community's resources/services for addressing obesity and its contributing comorbiidities.	Create an appropriate treatment plan for the obese patient, including Dietician referral, safe exercise activities. Provide comprehensive education on the long term risks of Obesity and provide realistic goals and timeline for improvement. Discuss with the patient the role of pharmacologica and surgical options, focusing on when such therapy would be instituted for that particular patient METHODS: Formulate a plan for obese patients to self-manage this chronic disease and its risk factors integrating the patient, family, community, and health systems resources, barriers, and

solutions. What are solutions to overcome the identified

barriers?

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Interpersonal & Communicatio	n Skills					
Individual Accommodations	terminology, clinic/exam space, language translator, accomodations for physical and psychological limitations (may relate to practice improvement)		Practice approach/communication	standardized patient; Feedback through faculty, standardized	Demonstrate comprehensive, patient-centered communication skills to evaluate and co-create management plan with patient	
Population Needs	assessment and knowledge of community resources; assessment and knowledge of population's health needs, strengths		Practice approach/communication	Method: Written exam, standardized patient; Feedback through faculty, standardized patient, self-assessment		
	health belief model	LO: Describe how to assess indiviudal patient's perspective, life context, belief to inform counseling; Method: Written exam, group discussion	Practice assessment of patient perspective, life context, and beliefs	Method: Written exam, standardized patient; Feedback through faculty, standardized patient, self-assessment	k	
-	motivational interviewing, stages	LO: Describe counseling techniques; Method: Written exam, group discussion	Practice counseling strategies	Method: Written exam, standardized patient; Feedback through faculty, standardized patient, self-assessment	Patient survey data k	
	(system)	LO: List practice guidelines, identify billing codes; Method: Written exam, group discussion	Practice documentation	Method: Written exam, standardized patient; Feedback through faculty,	Patient health outcomes	

Practice Based Learning and Improvement						
Provider improvement and recognition of limitations	Lectures/cases, group projects related to [condition]. Likely to be in Behavioral Medicine courses.	provider abilities and limitations. LO: list best	patients with [condition].			
Maintenance of certification (SA- PI) activities	Lectures, group projects related to [condition]. Professional Practice courses.	requirements. Method:	Develop a framework for MOC activities, based on patient contacts in clinical year.		Ready for postgraduate MOC activities on 10 yr cycle.	
EBM, research methods, information technology	Lectures/cases, group projects related to [condition]. Formal EBM courses (see below).		formulate plans for practice	collect published information to	Locate, appraise, and integrate evidence from scientific studies related to their patients' health.	

Systems Based Practice- Liz				
EBM/Informatics	Intro to EBM/ intro to EHR in a formal format (lectures, case studies, group projects) METHODS: Could have cases specifically on obesity and its effects in EBM. Group projects to discuss the aspects of healthcare delivery for obese patients, as well as health issues related to obesity.	clinical questions related to patient care; locate pertinent literature; appraise literature. LO: demonstrate navigation of EHR and retrieval of pertinent patient information.	•	Currently do not have EBM project or EHR team projects

Patient Care						
-		simulated patients with primary care complaints.	Practice evaluating, diagnosis and formulating evidence-based treatment plans.	LO: Demonstrate appropriate clinical managemnet of a primary care patient while working effectively as a member of the healthcare team.Methods: SCPE preceptor evaluations, peer evaluations, OSCE, SIMs	Make decisions about diagnostic and therapeutic interventions based on patient information and preferences, current scientific evidence and informed clinical judgement.	
	small groups, role playing, grand rounds, health fairs	the contributions of other	provide care to the patient	LO:Effectively express one's opinions to other members of the health care team while working to develop treatment plans. Methods: hospital rounding and care coordination write-ups, SCPE preceptor evaluations	Support quality collaborative practie by communicating effectively with patients, families and other heathcare team members.	
Patient Management/Treatment I	Viectures, , early clinical experiences,case write-ups, SIMs	LO: Recognize the management considerations involved in complex patient care. Methods: preceptor evals, case write-ups, SIMs, OSCEs	Practice formulating health care plans for various patient populations.	LO: Design health care treatment plans for primary care complaints while evaluating the efficacy of the plan and promotes longitudinal medical care for the patient. Methods: OSCEs, SIMs, SCPE preceptor evaluations, clinical documentation	Develop care management initiatives that support any health care needs that are unique to the patient population being served	

Professionalism						
Ethics	, , , , , , , , , , , , , , , , , , , ,	LO: Recognize and discuss potential ethical dilemmas in patient care scenarios. Methods: Standardized tests, written essays, peer discussions and presentations	Practice approaching clinical cases with some basic ethical framework		Demonstrate the ability to identify ethical considerations, analyze these situations and attempt to find resolution in difficult ethical situations.	
Cultural Sensitivity		LO: Recognize cultural differences in patient expectations based on cultural beliefs. Methods: peer reviews, standardized testing, essays	Practice recognizing cultural conflicts regarding different beliefs towards health and illness	_	Facilitates the development of a medical plan which addresses any cultural conflicts regarding beliefs toward health and illness for diverse populations.	
Medical Legal Aspects (PA role)	vignettes, journal review, role playing	LO: Cite examples of potential medical legal precedence. Methods: essay, note writing evaluations, journal reviews	Practice documenting patient encounters to ensure accuracy and documentation standards are met	LO: Assess potential clinical legal pitfalls in medical practice. Methods: SCPE preceptor evaluations, OSCEs and SIM cases, clinical vignettes, journal reviews, note writing	Produce legally sound medical documents . Employee evidence-based medical practice techinques that are in compliance with state and federal law.	

Systems Based Practice						
1	Intro to EBM/ intro to EHR in a formal format (lectures, case studies, group projects)	clinical questions related to patient care; locate pertinent literature; appraise literature.	Supervised patient practice, creating answerable questions related to specific patient. Locate appropriate EHR information.	LO: Identify and assess research related to diagnosis, prognosis, prevention, etc. for specific patient problems, documented in write-ups. LO: utilize EHR to derive population data relevant to patient care. Methods: written assignments/ oral presentations.	Apply evidence to patient and assess result of that application, adjust according to results. Apply EHR data to appropriate longitudinal patient care.	
Health Care Delivery	Lectures/cases, group projects relating to problem (reimbursement issues, access to care). ACO and PCMH concepts.	LO: Discuss the role of payor systems in patient care. LO: Define the role of the PCMH in managing [condition]. LO: Identify components of an ACO. Method: Exams, presentations, group exercises	SCPE, navigation of systems related to patient care and access to care. Develop appreciation of complexity of multiple payor system.	LO: Derive payor information from the EHR. LO: Identify resources for low-resource patients. LO: Identify cost of care for a patient in the practice, and determine the cost and coverage of co-pays.	Aware of payors, coding & billing, reimbursement levels. Efficient resource allocation. Enhance patient flow.	
Coordination of Care	Lectures/cases, group projects relating to referral options and specialty practice	LO: Identify appropriate referral options for [condition]. LO: Describe follow up communication between PCP and referrals. Method: Exams, presentations, group exercises	Understand the need for referrals and how to ensure that they are appropriate. Effectively use the EHR for making and tracking referrals.	LO: Define thresholds for referral for [condition], and appropriate referral sites. LO: Model appropriate communcation/ interactions with consultants. LO: Place referrals using the EHR. LO: Name 3 community resources for patients. Method: Patient-specific case studies/presentations, use of EHR.	Make appropriate referrals, and continue with communication among PCP and referrals.	
Continuity of care	Patient safety didactic instruction	LO: Describe issuse related to patient safety and transfer of care responsibility. Method: Exams, presentations	Critically observe patient hand-offs, continuity. Learn best practices related to patient safety.	LO: Demonstrate effective communication and transfer of care responsibility. LO: Identify system triggers for actions. LO: Analyze incidents of poor continuity of care. Method: Demonstrations, debriefings, case presentations.	Incorporate clear bidirectional communication in patient care transfer and in chart notes. Appropriate follow up arranged.	

Things to consider when using the LTC

- Are all competencies created equally?
- Which competencies are you focusing on?
- Where do you teach obesity (insert your topic here) in the curriculum?
- Or where don't you teach it?
- When do you teach it?
- How do you teach it? Methods
- How do you assess it ?
- What do you do with the assessment?
- Is there a gap analysis?

Topics:

- Audience participation
- Ideas for curricular evaluation
- Work individually or in small groups
- Active discussion encouraged
- Facilitators will answer questions

Discussion

- Ease of usage
- Feedback
- Themes

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