Medical knowledge is an ACGME core competency that should be mastered by the end of post-graduate training. Balancing the role of student and Taxonomy, with the learner potentially applying knowledge during patient false impression of knowledge mastery, when knowledge gaps truly exist. Building a strong foundational knowledge base in our trainees is essential. Despite exponential growth in medical knowledge, graduate medical education (GME) curricula continues to rely on traditional lectures, knowledge competencies. Microlearning and spaced repetition may benefit the busy learner. Understanding our trainees' learning preferences will help us develop and implement desired, effective teaching tools, potentially reducing knowledge gaps.





Table 1. Presumed Etiologies for Knowledge Gaps

	Clinical	Teaching	Indep
	Teaching	Conferences	Self
Learner-specific	Varied exposure to patients at varied	Inconsistent attendance due to	Lack of time
	moments in management	service responsibilities	service resp
	Excessive service responsibilities	Limited attention due to service-	Ineffective of
		related distractions	formal study
	Varied learning preferences	Cognitive overload	Lack of know
			best study r
	Inadequate supplemental reading	Inadequate supplemental	
		reading	
	Knowledge retention	Knowledge retention	Knowledge
Faculty-specific	Lack of expertise	Excessive teaching material	
	Lack of time for teaching due to	Lack of learner	
	patient load/non-patient care	engagement/passive learning	
	obligations		
	Lack of preparation time for teaching	Teaching material not at the level	
		of the learners	
	Inadequate teaching tools to assist		
	with clinical teaching		
Program/Institution-	Inappropriate patient volume per	Insufficient time for teaching	Lack of invo
specific	learner (excessive or low)	conferences	self-study p
			resources
	Inadequate support for non-medical	Inadequate procedures to	Inadequate
	management	protect time for learning	resources to
			knowledge i
	Inadequate staffing	Teaching conference format	
		limited to traditional didactic	
		lectures	
		Missing topics in educational	
		curriculum	

Objectives: Our aim is to gain insight from residents and fellows about 1) preferred teaching/learning strategies in the clinical environment, teaching conferences, and independent study; 2) prior experience and preference for microlearning and spaced repetition in learning curriculum; and 3) learning barriers.

Methods: A RedCap survey was launched to internal medicine residents at Baylor College of Medicine (BCM) and St. Vincent's Hospital and BCM hematology/oncology fellows.

Optimizing Knowledge Delivery and Retention in Educational Curricula in Graduate Medical Education Programs: The Perspective of Trainees in Internal Medicine and Hematology/Oncology

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