



Does the format of patient case delivery matter? – Paper vs MedAffinity vs EHR Go

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BACKGROUND

- Most United States hospitals use an electronic health record (EHR) system¹
- A variety of simulated EHRs are available for schools and colleges of pharmacy to use in their curricula. We used the following patient case delivery formats:
 - Paper case (2019-2020)
 - Simulated EHR: MedAffinity (2020-2021)
 - Simulated EHR: EHR Go (2021-2022)
- **Objectives:** To compare the effect of patient case delivery format in the classroom on:
 - P3 and P4 perceptions of their ability to collect information and navigate an EHR
 - Preceptor evaluations of student ability to perform the Pharmacist Patient Care Process (PPCP) 'Collect' step during advanced pharmacy practice experiences (APPE)

1. Pedersen CA, et al. *AJHP*. 2017;74(17):1336-52.

METHODS

- **Statistical analyses:**
 - Internal reliability assessed with Cronbach's alpha
 - Likert scores compared with Wilcoxon signed rank or Kruskal-Wallis tests
 - Multiple comparisons performed with Dunnett's test
 - Demographics and pass rates on APPE evaluations compared with Chi-Square test

RESULTS

Table 1. Baseline demographics

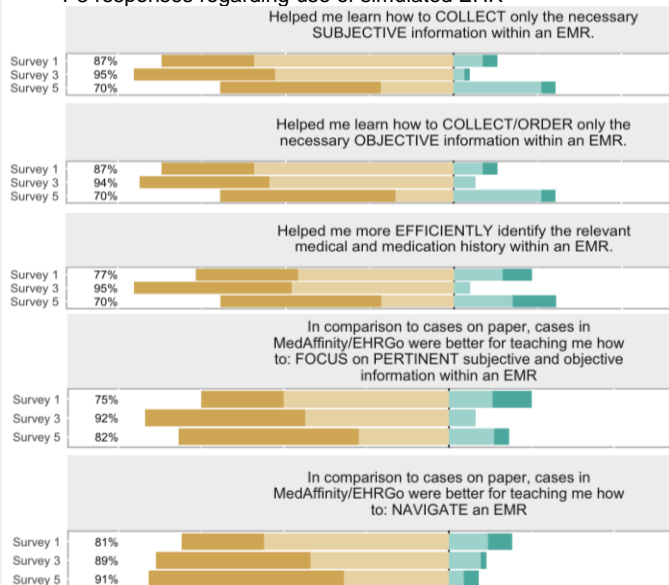
	2020		2021		2022	
	Survey 1 (n=70)	Survey 2 (n=50)	Survey 3 (n=62)	Survey 4 (n=45)	Survey 5 (n=26)	Survey 6 (n=33)
Gender						
Female	21 (30%)	33 (66%)	41 (66%)	32 (71%)	15 (58%)	9 (27%)
Male	43 (61%)	17 (34%)	21 (34%)	10 (22%)	6 (23%)	24 (73%)
Prior EHR experience	40 (57%)	29 (58%)	26 (42%)	22(49%)	14 (54%)	24 (73%)
≥6 mo EHR experience	17 (24%)	19 (38%)	18 (29%)	14 (31%)	7 (27%)	14 (42%)

Table 2. Preceptor evaluation of "Collect" step during APPEs

	2020 (n=280)	2021 (n=386)	2022 (n=400)
High pass (%)	59.9%	64.6%	60.6%

RESULTS

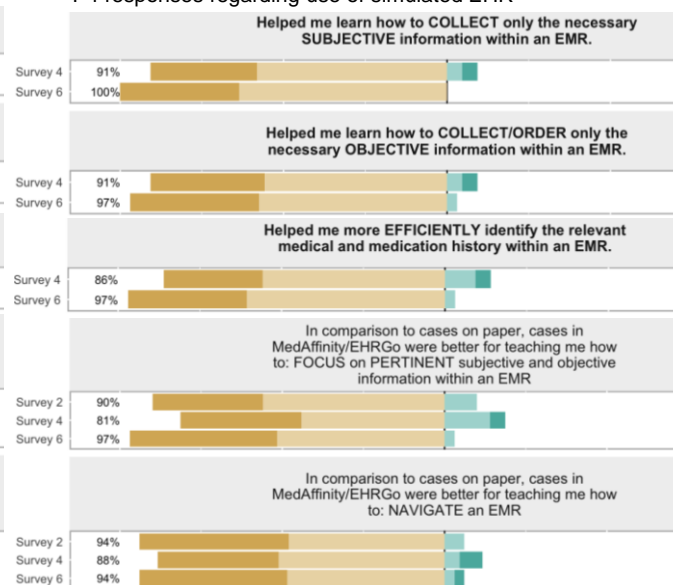
P3 responses regarding use of simulated EHR



Cronbach's alpha = 0.88

Response: Strongly Agree, Agree, Disagree, Strongly Disagree

P4 responses regarding use of simulated EHR



Most students expressed that a simulated EHR enhanced their ability to collect patient information and navigate an EHR compared with paper cases. There was no evident distinction between simulated EHRs. Pass rates remained unchanged based on preceptor evaluations.

DISCLOSURES

Authors do not have any personal or financial conflicts of interest to disclose.