

scores for the graduating class of 2019 were above the mean in all but 9 categories, overall (15%). Three content areas were also underrepresented in the didactic curriculum as well.

Conclusions: This needs assessment of the curriculum reveals that, when compared to the ABEM blueprint, a significant number of core content areas were underrepresented in the curriculum, with two being almost absent. The content areas identified represent an area in which the didactic curriculum can be improved to remain in accordance with published guidelines.

4 A Snapshot of Exam Usage in Emergency Medicine Clerkships

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Background: Emergency Medicine (EM) clerkships often use a written exam to assess the knowledge gained over the course of an EM rotation. Clerkship Directors (CDs) may choose the NBME EM Advanced Clinical Exam (ACE), the SAEM M4 exam, which has two versions, or locally developed exams. There is little consensus on their optimal usage.

Objective: This survey-based study was designed to collect data regarding the use of common available EM exams during clerkships.

Methods: The authors designed a cross-sectional observational survey to collect data from EM CDs on exam utilization in clerkships. The survey population comprised the list-serve of the academy of CDEM on the SAEM website and a manual search of the EMRA Match website. 87 programs (42% response rate) completed the survey between August 2019 and February 2021. Data obtained include clerkship characteristics, exam utilized, weight of the exam relative to the overall grade, and testing alternatives if the preferred exam was previously taken.

Results: Of the 87 responses, most (82%) were completed by a CD. 53% of institutions require an EM rotation, of which 52% occur in the 4th year, 26% in the 3rd, and 22% occur in either. Students are tested in 74% of required EM clerkships and 69% of EM electives. In required rotations, 57% use the NBME EM ACE, while 51% of EM electives use the SAEM M4 Exam. A majority of programs (57%) weigh the exam score at 11-30% of the final grade. Data for extramural rotations mirrors that of EM electives.

Conclusion: This survey elucidates exam usage among EM clerkships. An EM clerkship is required at a majority of our sample, with a significant majority using an exam to evaluate medical knowledge, and while national EM exams are frequently used, there are several programs that use departmental exams, and the weight of the exam score relative to the final grade varies widely. Further scholarship on the best use of these exams to provide the most reliable assessment is needed.

5 Analysis of Emergency Medicine Clerkship Grades by Identification as URiM vs. non-URiM

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Background: Previous studies have identified racial differences in both core clinical clerkship evaluations and components of residency applications, including the MSPE and SLOE. To our knowledge, no study has investigated the impact of Underrepresented in Medicine (URiM) status on EM clerkship grades.

Objectives: To determine whether there is a difference in EM clerkship grades and its components (NBME exam scores and clinical assessments) between URiM and non-URiM medical students.

Methods: This retrospective sample was drawn from University of Michigan Medical School (UMMS) students in Graduation Year (GY) 2021 or 2022 who completed the required EM clerkship. Using a non-parametric Mann-Whitney U-test, we compared the overall composite score on the EM clerkship, the EM NBME Exam score, and clinical assessments between URiM and non-URiM identifying students.

Results: 334 students completed an EM rotation in GY 2021 and 2022. 11 students with “Missing” race data were excluded. 52 (16.1%) identified as URiM while 271 (83.9%) identified as non-URiM. There was a significant difference between URiM and non-URiM groups in performance on NBME Subject Exam ($p=0.0001$), where the non-URiM group outperformed the URiM group (Non-URiM Mean = 81.2; URiM Mean = 77.6). There was no statistically significant difference for clinical performance ($p=0.057$). Overall clerkship grades differed, as URiM students had a higher percentage of “Pass” grades (32.7%) and lower percentage of “Honors” grades (40.4%) than non-URiM students (13.7%, 59.4%).

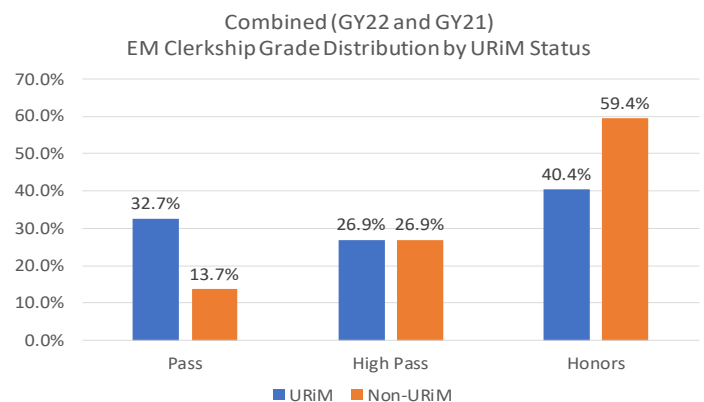


Figure 1. Combined (GY22 and GY21) EM clerkship grade distribution by URiM status.