

UC Irvine

Western Journal of Emergency Medicine: Integrating Emergency Care with Population Health

Title

Are ACGME Duty Hour Restrictions Associated with Improved Academic Performance?

Permalink

<https://escholarship.org/uc/item/8tx596xc>

Journal

Western Journal of Emergency Medicine: Integrating Emergency Care with Population Health, 19(4.1)

ISSN

1936-900X

Authors

Kiefer, C
Shaver, E
Sharon, M
[et al.](#)

Publication Date

2018

Copyright Information

Copyright 2018 by the author(s). This work is made available under the terms of a Creative Commons Attribution License, available at <https://creativecommons.org/licenses/by/4.0/>

Electronic Residency Application Service (ERAS) application cycle the SVI pilot was administered to applicants applying to Emergency Medicine residency programs.

Objectives: This survey aims to assess Emergency Medicine residency applicant attitudes towards the Standardized Video Interview.

Methods: A survey was developed and piloted at an urban ACGME-approved emergency medicine residency. This survey was subsequently distributed to residency candidates at the conclusion of their interview day. Respondents were asked a series of questions regarding their demographic data and thoughts regarding the added value of the SVI to their ERAS application. Participation was optional and responses were anonymous. This is an interim analysis of completed surveys.

Results: A total of 80 candidates completed the survey representing a 100% response rate. 58% were male, 38% were female, and 4% did not respond. Candidates were 58.7% Caucasian, 15% Asian, 12.5% African American and Hispanic respectively. SVI scores ranged from 6-26. 46.25% (n=33) of respondents felt their score was worse than they expected and 25% (n=20) stated they were aware of how they would be scored. Only 7.5% (n=6) felt the SVI added information about their knowledge of professional behaviors and 11.25% (n=9) felt that it added information about their interpersonal and communication skills that was not available elsewhere on their application. Only 3% of survey respondents felt the SVI should remain a portion of the ERAS application.

Conclusions: Candidates overall were not aware of how the SVI was scored and approximately half had scores that were worse than expected. Overall, most respondents felt the SVI was not an accurate representation of their interpersonal and communication skills or their knowledge of professional behaviors. The vast majority do not think it should remain a part of the ERAS application.

7 Are ACGME Duty Hour Restrictions Associated with Improved Academic Performance?

Kiefer C, Shaver E, Sharon M, Davis S, West Virginia University School of Medicine, Morgantown, West Virginia

Background: The ACGME duty hours were implemented with the anticipation that restricting clinical hours would lead to improved patient safety and medical knowledge. Although several studies have evaluated the impact of decreased clinical duty upon patient safety and wellness, little previous work in Emergency Medicine (EM) has assessed the impact of restricted duty hours upon medical knowledge. No prior study has evaluated performance on the

in training examination (ITE) to assess medical knowledge longitudinally during training.

Objectives: This study evaluated the impact of restricted clinical duty hours on academic performance and medical knowledge as measured by ITE score. We hypothesized that increased time available for studying would improve performance on the ITE.

Methods: We conducted a retrospective, observational study where ITE scores from a single EM residency were analyzed during 3 distinct time periods: program inception to the first duty hours restrictions 1994-2003 ('baseline'), and the periods following each reduction in duty hours: 2004-2011, and 2012-present. Resident performance on the ITE was tabulated and compared across study periods. Differences in average ITE scores between the 3 periods were analyzed using the Kruskal-Wallis test with Dunn's test used to assess significant differences in post hoc means while controlling the overall error rate.

Results: Overall, 425 ITE scores were available for analysis over the 3 study periods. A significant increase in test performance ($p < 0.01$) was observed between the baseline and both duty hour restriction time periods (71.26%; 76.02%; and 75.24%, respectively). No significant difference ($p > 0.05$) in performance was observed between the two duty hour restriction periods.

Conclusions: Resident performance, as measured by ITE score, improved during the period following the initial duty hours restrictions (2004-2011) compared to performance prior to duty hour implementation (1994-2003). There was no improvement in ITE performance associated with the further restrictions in 2011. Limitations to this study include the fact that it was conducted at a single site which may limit the generalizability of the findings, and did not include data on the actual amount of time residents engaged in studying during the study periods.

8 Are Standardized Video Interview Scores Predictive of Interview Performance?

Willis J, Surlis T, Silverberg M, Kendall S, LoCascio H, Gernsheimer J, Schechter J, Regan A, Smith T/SUNY Downstate, Brooklyn, New York

Background: The Standardized Video Interview (SVI) was developed by the AAMC to be used in ERAS applications for residency. The goal for the SVI is to aid program directors to identify applicants who do not perform well on other objective markers and increase the chance of an interview. The SVI tests interpersonal communication and professionalism which are factors evaluated in an interview. There is controversy whether the SVI score is valuable to the application and how it should be used. One proposed use of the SVI is to predict how an applicant will interview.