

UC Irvine

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

Title

Procedure Logging - What's old is new again

Permalink

<https://escholarship.org/uc/item/6jm8x4fr>

Journal

Western Journal of Emergency Medicine: Integrating Emergency Care with Population Health, 17(4.1)

ISSN

1936-900X

Authors

Gaeta, T
Visconti, A
Cabezon, M

Publication Date

2016

Copyright Information

Copyright 2016 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/>

or nursing colleagues (PONC) in an intoxicated state; 66% of PONC in inappropriate photographs; and 73% of PONC with inappropriate posts. Residents were more likely to post PONC in an intoxicated state compared to PD-noted NRPONC ($p=0.0004$). PD-noted NRPONC were more likely to post inappropriately compared to residents ($p=0.04$).

Conclusions: EM faculty and residents are at personal and professional risk with use of SM occasionally leading to termination or reprimand. Awareness of this risk should prompt responsible SM utilization and use of CORD's SM guidelines.

44 Procedure Logging - What's Old is New Again

Gaeta T, Visconti A, Cabezon M / New York Methodist Hospital, Brooklyn, NY

Background: Residents must be able to competently perform all medical, diagnostic and surgical procedures considered essential for the area of practice. Each resident must maintain, in an accurate and timely manner, a record of all major resuscitations and procedures performed throughout the entire educational program. The program director must verify each resident's records of major resuscitations and procedures as part of the semiannual evaluation. While the advent of the electronic residency management systems (RMS) has improved compliance and ease of documentation of evaluations and storage of information, limitations in resident access to point of care documentation of procedures has led to inaccurate and incomplete documentation of ED procedures. Our hypothesis was that the addition of point of care Procedure Documentation Cards will improve the resident's ability to capture more of the procedures and resuscitations performed in the ED.

Objectives: Our hypothesis was that the addition of point of care Procedure Documentation Cards will improve the resident's ability to capture more of the procedures and resuscitations performed in the ED.

Methods: This was a prospective quasi-experimental pre-post design conducted in an urban, community based academic emergency department with 110,000 visits annually. Our EM program has 30 residents over three years. Study subjects were EM residents from the Class of 2013 and the Class of 2015. Intervention - in the 2014 academic year we introduced the availability of point of care Procedure Documentation Cards (PDC). These cards were available in the ED and collected in a lock box at our documentation station. Information regarding resident, supervising attending, procedures performed (including resuscitations) were transcribed into our electronic RMS. Variables evaluated include annual patient volume, average number of encounters per resident, average number of procedures documented, and resuscitations recorded for each graduating resident.

Outcome of interest was the average numbers of graduate resident procedures/resuscitations logged before and after the implementation of the availability of point of care Procedure Documentation Cards. We provide descriptive statistics, comparisons using paired-sample t-tests (statistical significance was determined at $\alpha < 0.05$). The study was approved by our IRB with a waiver of consent.

Results: There were 11 graduated residents in the pre-group (RMS only) and 9 graduated residents in the post-group (PDC+RMS). The average number of patient encounters and admission rates were equivalent in the two study populations. The average total number of RRC required procedures recorded by graduating residents were 341 and 399, pre and post group respectively ($p=0.67$). Many of the RRC required procedures showed statistical improvement in number documented, however the infrequently encountered procedures showed no difference.

We found that the documentation of the average number of resuscitations recorded by a graduating resident increased after the intervention, 216 and 497, respectively. Adult medical resuscitations increased from 133 to 314 documented ($P=0.001$) and pediatric medical resuscitations from 19 to 43 in the post-intervention group ($p=0.019$). Adult trauma resuscitations increased 51 to 111 documented ($p=0.02$) and pediatric trauma resuscitations from 13 to 29 ($p=0.044$).

Conclusions: Controlling for patient encounters per resident and patient acuity index, we found that resident documentation of RRC required procedures and major resuscitations improved with the addition of point of care Procedure Documentation Cards. Off-loading the data entry into the RMS to clerical staff costs approximately 4 hours per week, the look on program directors face during the semi-annual review - priceless.

45 Qualitative Analysis of Medical Student Reflections of Inter-Professional Experiences During Their Emergency Medicine Clerkship.

Guth T, Overbeck M, Smith T, Roswell K / Anschutz Medical Campus, University of Colorado School of Medicine, Aurora, CO; Denver Health Medical Center, University of Colorado School of Medicine, Denver, CO; Children's Hospital of Colorado, University of Colorado School of Medicine, Denver, CO

Background: Introduction to the roles, responsibilities, and contributions of individual team members early in professional development is critical to fully embracing the value that teamwork adds to patient care outcomes.

Objectives: Gaining insight into medical student inter-professional experiences in emergency medicine(EM) settings is crucial for the assessment of inter-professional competencies in medical education.