

A Survey on the Educational Impact of a Resident Produced Emergency Medicine Podcast



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Background and Aim

- Podcasts are a popular method of education for emergency medicine residents
- As of July 2011, there were no active emergency medicine podcasts made for medical students or residents
 - EM:RSI- 5 episodes published in December 2010
 - No new episodes published to date
- EM Basic podcast
 - Created and produced by Dr. Stephen Carroll- senior EM resident
 - Reviews basic topics in EM at level of medical student or intern
- Aim
 - Evaluate the educational impact of EM Basic by surveying its listeners

Methods

- Study design
 - Anonymous survey of EM Basic listeners on the first 10 episodes
- Participants
 - SAUSHEC EM Residents and EM-PAs
 - Responders to an online survey
- No specific inclusion/exclusion criteria
- Statistical methods
 - Descriptive statistics

Survey results

Level of training	Number of participants
MS-1	1
MS-3	5
MS-4	4
Transitional Year Intern	6
EM-1	5
EM-2	8
EM-3	6
EM Attending	2
EM Physician Assistant	3
Physician Assistant Student	1
Registered Nurse	4
Nurse Practitioner Student	1
Pharmacist	1
Total	47
Participants who are not medical students or EM physicians/PAs	16 (28%)

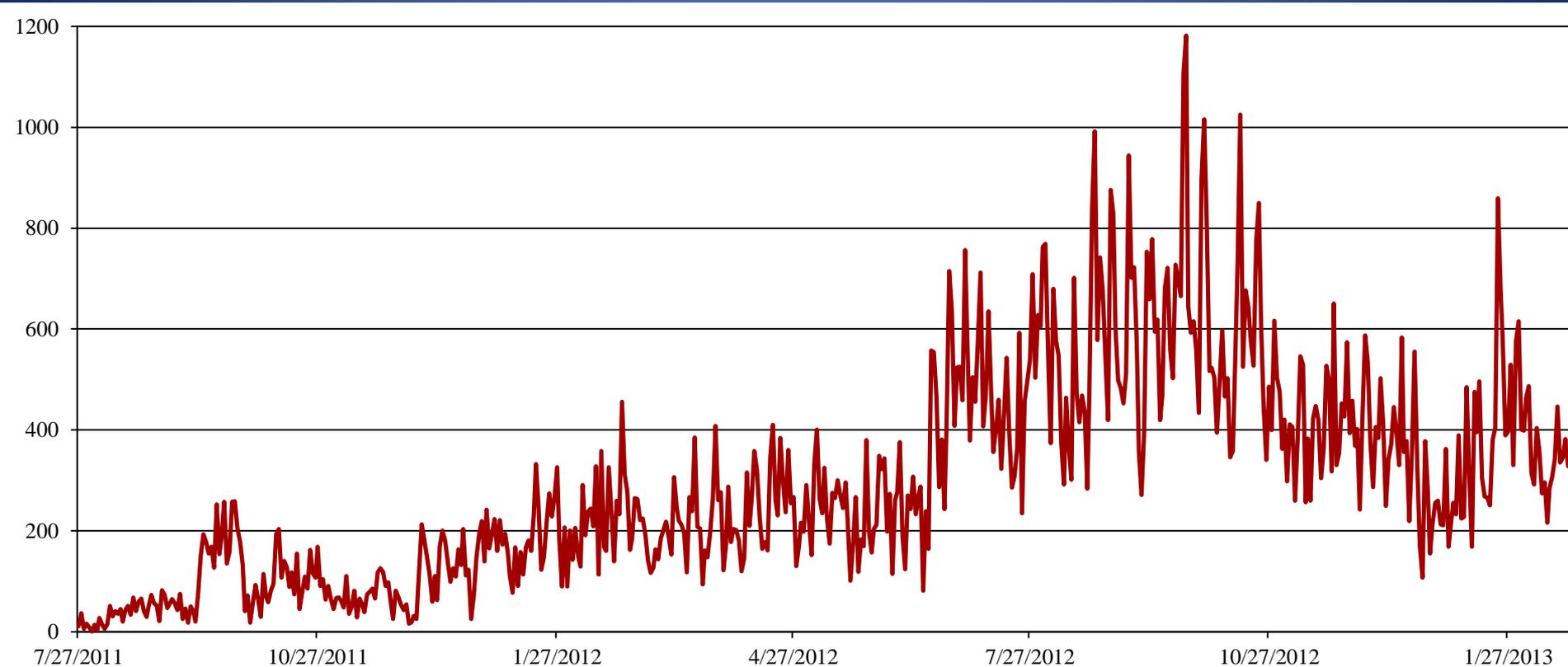
Survey results

Survey Questions	Average
1) How many episodes have you listened to?	5.1
2) How useful have you found the podcast?	9
3) How likely are you to recommend the podcast to a colleague?	9.2
4) The podcast length is appropriate	9.4
5) The depth of the material is appropriate given the target audience of medical students and interns	9.4
6) The topics of the podcast are appropriate	9.3
7) How frequently have you applied the knowledge you gained from the podcast during a clinical shift?	6.9
8) How many times has the podcast helped you answer a question during a shift or on rounds?	3.1
MS-3 participants (n=5) response to question #8	7

Qualitative feedback

- 109 “5 star” ratings and 2 “4 star” ratings on iTunes™
 - 2 “2 star ratings” and 1 “1 star rating” without comments
- “...clear, concise, and very easy to understand”
- “As a third year med student, it’s hard to find “basic” blogs out there on EM, so this has been a great find...”
- “This should be a required primer for all new docs”-
Dr. Rob Orman, creator of the ERCast podcast
- International listeners requested the use of generic drug names and for a slower pace of speaking

EM Basic Download Statistics



38 episodes published since February 19th, 2013
168,442 downloads from 127 countries and six continents
Average 293 downloads per day
Show notes downloads: 11,469 (Average 301 per episode)
EMbasic.org page views- 73,353 (Average 128 per day)

Conclusions

- A podcast created by an EM senior resident can have a positive educational impact and be well received
- Listeners to EM Basic can identify specific instances where the podcast assisted them during clinical practice
- While limited by sample size (n=5), EM Basic may have a larger impact on third year medical students given the increased frequency at which they apply what they learn from the podcast
 - Average 7 vs. 3.1 instances reported