

Simulation and resource stewardship: Preventing further distancing from resident education during a socially distanced era



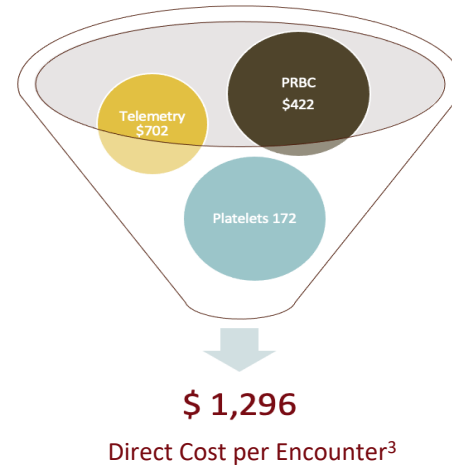
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Introduction

Cost-effective decision making as a competency is not commonly incorporated into curriculum design deliverables in residency programs. In the era of social distancing, simulation can still be an effective modality for teaching residents resource stewardship to foster safer healthcare practices^{1,2}. Inappropriate prescribing of blood products, antibiotics, and telemetry can increase the financial strain on our healthcare system and lead to patient harm^{3,4,5}.

Methods

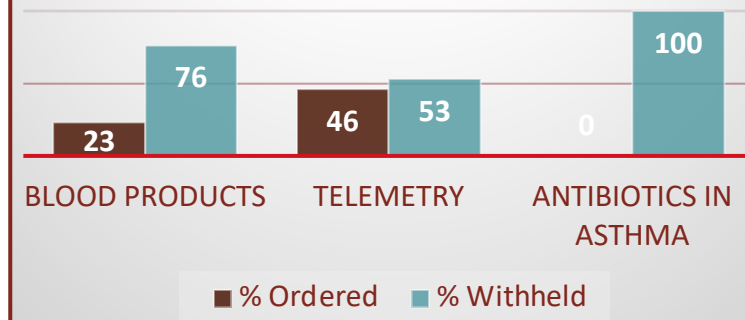
A cross-sectional study on cost-effective practices of IM residents participating in the program's simulation curriculum was completed. The sessions included standardized case scenarios in addition to telephone calls from simulation educators that tested decision-making around selected Choosing Wisely Canada recommendations: avoidance of antibiotics in simple asthma exacerbations, blood product transfusion restrictions, and discouraging telemetry overuse⁵.



Conclusion

Simulation is a unique teaching strategy that offers much needed understanding and awareness of practice trends and associated costs impacting our healthcare system.

Results



References

- 1-Baker, G. (2004). The Canadian Adverse Events Study: the incidence of adverse events among hospital patients in Canada. *Canadian Medical Association Journal*, 170(11), 1678-1686. doi: 10.1503/cmaj.1040498
- 2-Barger, L. K., Ayas, N. T., Cade, B. E., Cronin, J. W., Rosner, B., Speizer, F. E., & Czeisler, C. A. (2006). Impact of extended-duration shifts on medical errors, adverse events, and attentional failures. *PLoS medicine*, 3(12), e487. doi:10.1371/journal.pmed.0030487
- 3-Canadian Blood Services. (2017-2018). Blood Component cost per unit summary.
- 4-Lass, E., Silverstein, W., & Lakhani, A. (2015). *Medical students choose wisely*. Retrieved from <http://healthydebate.ca/opinions/medical-students-choose-wisely/>
- 5-Saleh, D., Campbell, T., Altabbaa, G. (2018). *Choosing Wisely: Utilizing Simulation to Teach Resource Stewardship*. CAME Voice/Voix