



Student Perceptions of the Use of Secular Podcasts at Three Institutions in Different Learning Environments

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KEY POINTS

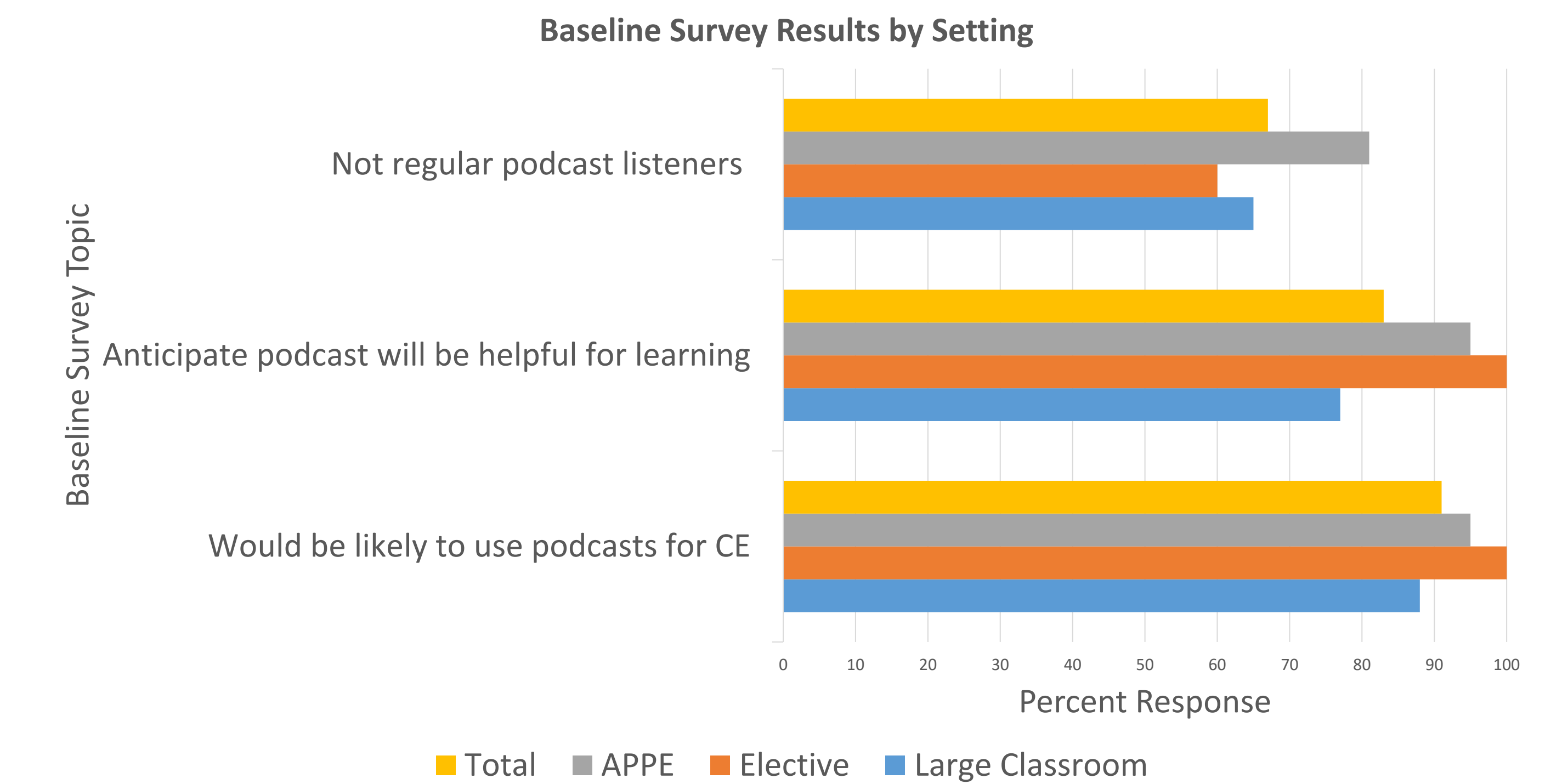
- Publicly available podcasts can provide perspective on clinical pharmacy concepts and larger social issues^{1,2}
- Prior studies have found that students find podcasts engaging and helpful³⁻⁵
- Few commentaries exist on the use of publicly available podcasts in diverse educational settings
- In our study, we found that 67% of students were not regular podcast listeners at baseline, yet 83% of students anticipated podcasts would be helpful for learning course material
- The majority of students exposed to podcasts on an advanced pharmacy practice experience (APPE), a small group elective, and a large-classroom course found podcasts useful for learning and reported they would be likely to use podcasts for obtaining pharmacy continuing education (CE)
- Our study adds to the evidence that students find podcasts to be a helpful learning tool
- Podcasts may also be an attractive CE option for pharmacists

METHODS

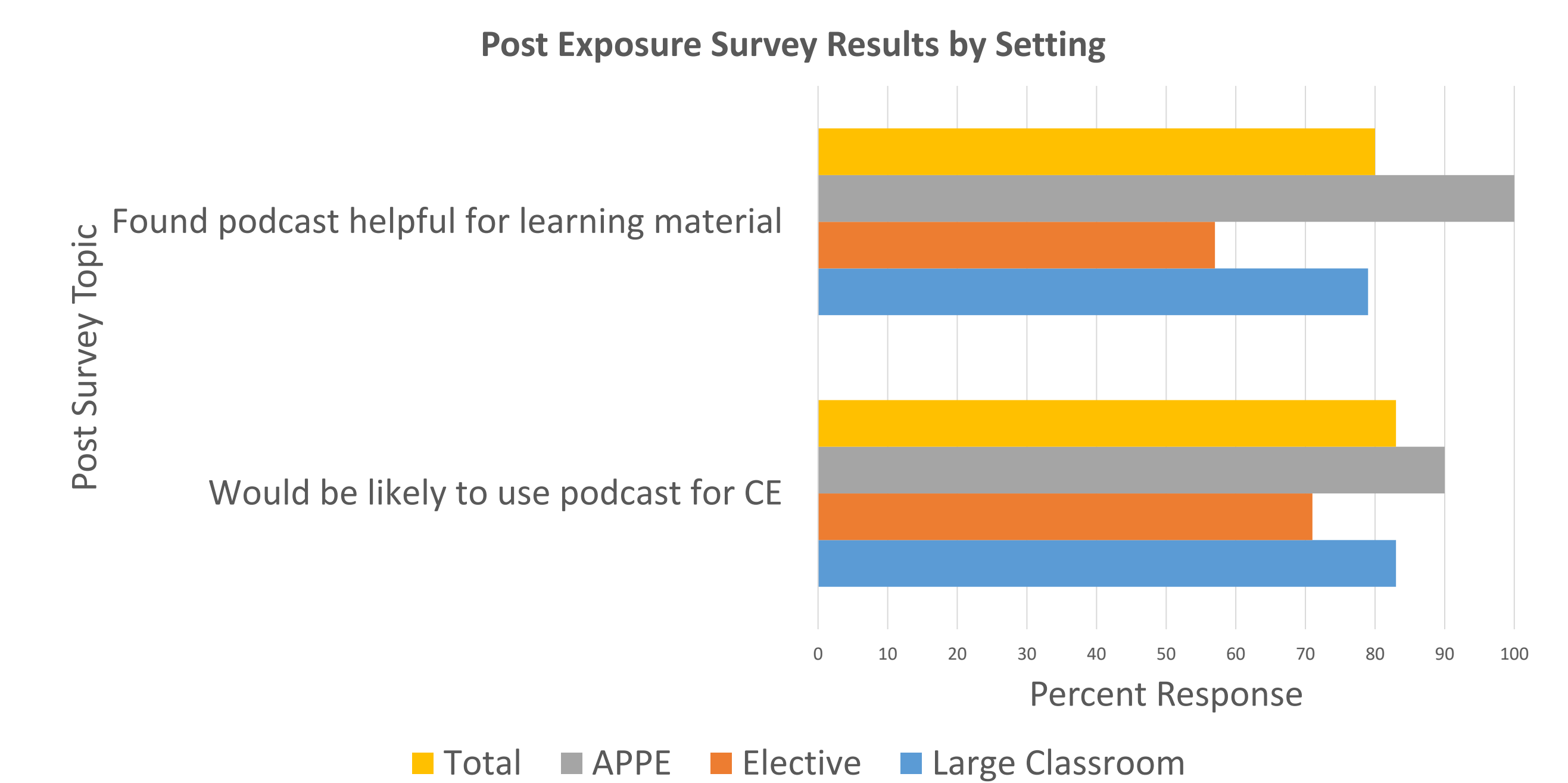
- Students listened to publicly available podcasts in one of three learning settings at three institutions: an ambulatory APPE, a small group diabetes elective, and a large-classroom environment
- Before the first podcast exposure, students took a baseline survey to describe their current podcast use and perception of usefulness
- Students were then exposed to at least 1 podcast during the APPE rotation, 8 podcast episodes during a small group elective, or 1 podcast during a large-classroom session
- At the end of the learning experience, students completed a post survey to assess satisfaction with the use of the podcast, their perception of podcast usefulness in learning material, and their likeliness to use pharmacy podcasts for continuing education
- Descriptive statistics were used

RESULTS

- A total of 56 students completed both pre and post surveys at all 3 institutions
- At baseline, 33% were regular podcast listeners
- At baseline, 83% of students anticipated that podcasts would be very or somewhat helpful for learning course material, and 91% would be very or somewhat likely to use podcasts for continuing education (CE)



- Post surveys for podcast helpfulness and likelihood to use for CE decreased to 80% and 83%, respectively
- Average satisfaction for the podcast experience was 4.5 on a 5-point scale

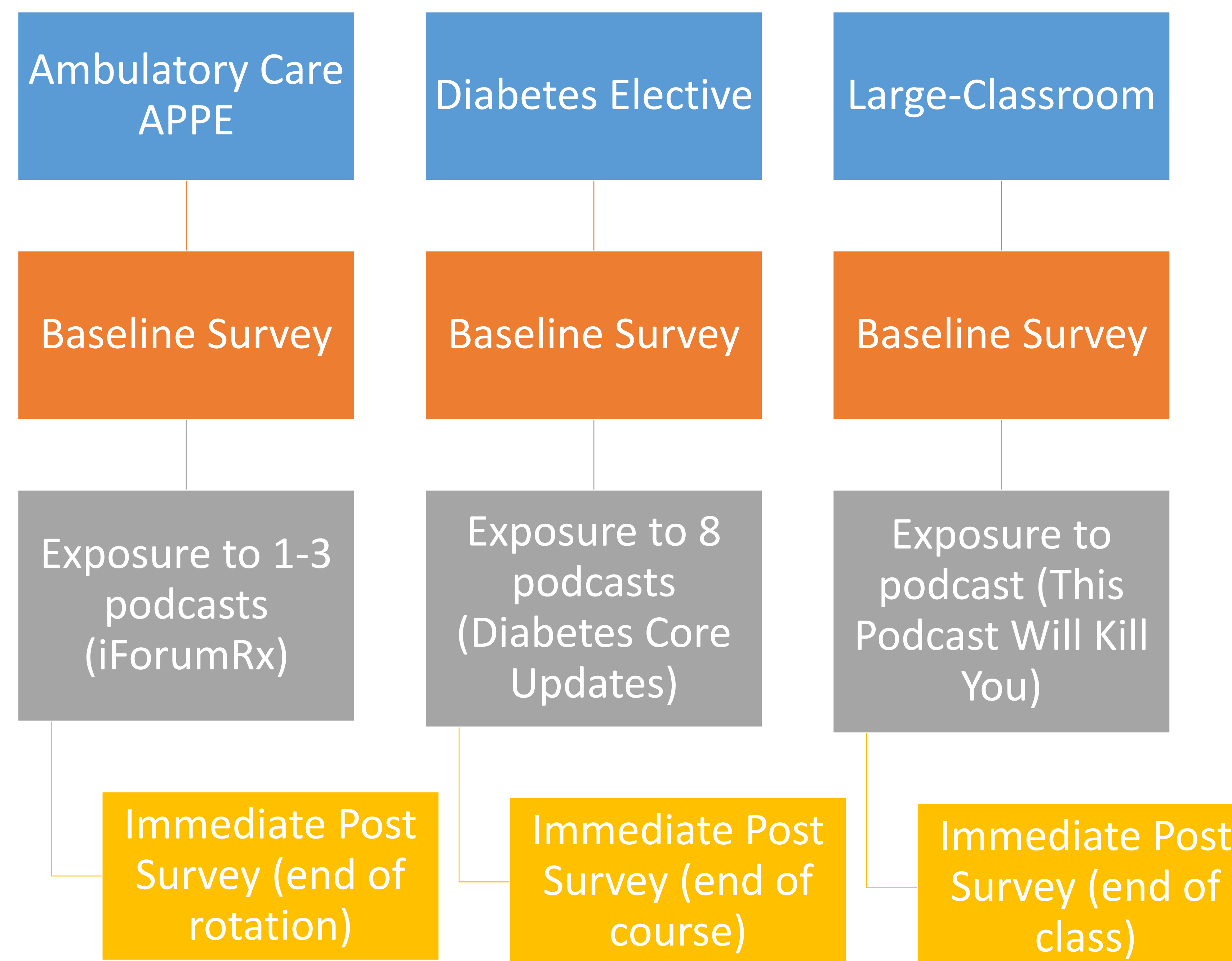


Primary Objective

Assess student perceptions of the usefulness of podcasts for learning course material before and after exposure(s) in three different settings

Secondary Objectives

Quantify student baseline use of podcasts, satisfaction with podcast exposure, and interest in using podcasts for CE



REFERENCES

- Zumach GM, Portillo E. Cultivating a Community of Practice through Podcasting. *Innov Pharm.* 2020;11(1):10.24926/iip.v11i1.2932. Published 2020 Mar 23. doi:10.24926/iip.v11i1.2932
- Kane SP, Shuman M, Patel K, Olson M. Characteristics of Drug-Related Podcasts and This Medium's Potential as a Pharmacy Education Tool. *Am J Pharm Educ.* 2019;83(8):7083. doi:10.5688/ajpe7083
- Mnatzaganian CL, Singh RF, Best BM, Morello CM. Effectiveness of Providing Video Podcasts to Pharmacy Students in a Self-Study Pharmaceutical Calculations Module. *Am J Pharm Educ.* 2020; 84(12): 1579 – 1583. doi: <https://doi.org/10.5688/ajpe7977>
- Flood M, Hayden JC, Bourke B, et al. Design and Evaluation of Video Podcasts for Providing Online Feedback on Formative Pharmaceutical Calculations Assessments. *American Journal of Pharmaceutical Education.* 2017; 87(10): 100-103. doi: [10.5688/ajpe6400](https://doi.org/10.5688/ajpe6400)
- Hargett JL. Podcasting in Nursing Education: Using Commercially Prepared Podcasts to Spark Learning. *Teaching and Learning in Nursing.* 2018; 13: 55-57. doi: <https://doi.org/10.1016/j.teln.2017.08.003>