

Background

- Literature and research have demonstrated the positive effect of pre-operative patient education and post operative outcomes.
- In 2020 the Covid 19 pandemic required masking and social distancing which eliminated in person instruction.

Aim of the Project

- The aim of this project was to continue to provide positive surgical outcomes through virtual patient education setting

Description of the Intervention

- Class instructions was adapted to the virtual platform, Zoom. This allowed the learner to have the benefit of a live instructor while maintaining social distancing

Description of Data Collection and Analysis

- Patient outcome data was collected through tableau. Pulmonary emboli occurrence < 30 days, Deep Vein thrombosis < 30 days and hospital readmission < 30 days are three of many factors which may be influenced through patient education.
- Class evaluations provide information regarding patient satisfaction with the preop virtual education.

Implications for Practice

Utilizing the zoom virtual platform for patient education allows for interactive "in person" education for patients restricted by geographic distance, transportation, or the need for social distancing.

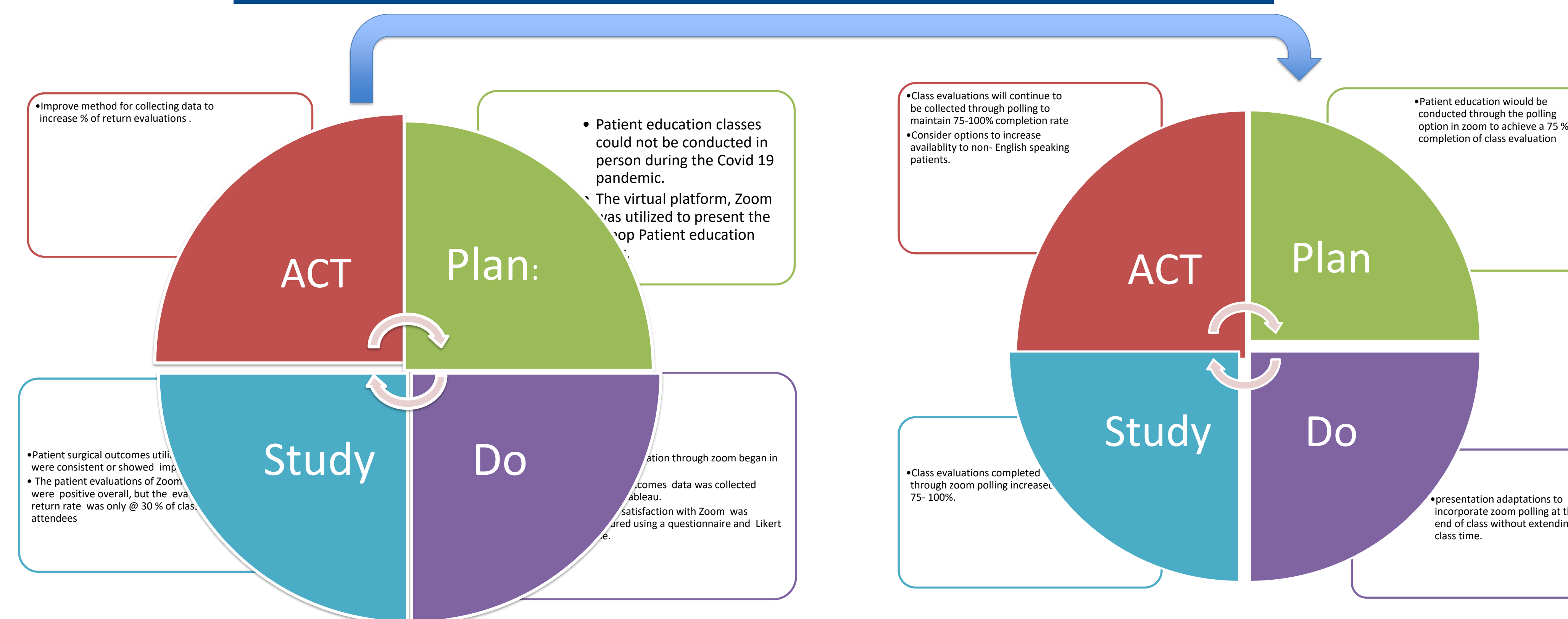
References

Journal of Orthopaedic & Sports Physical Therapy
Published Online September 1, 2022 Volume 52 Issue 9 Pages 572-585
<https://www.jospt.org/doi/10.2519/jospt.2022.10614>
Keener AS, Howell DM. A Model for Delivery of Orthopaedic Perioperative Education via Telehealth. Orthop Nurs. 2022 May-Jun 01;41(3):229-236. doi: 10.1097/NOR.0000000000000852. PMID: 35772063.
Koivisto JM, Saarinen I, Kaipia A, Puukka P, Kivinen K, Laine KM, Haavisto E. Patient education in relation to informational needs and postoperative complications in surgical patients. Int J Qual Health Care. 2020 Apr 21;32(1):35-40. doi: 10.1093/intqhc/mz032. PMID: 31016323.

Lessons Learned

- The zoom platform allows virtual "in person" patient education and contributes to positive surgical outcomes.
- It was discovered that virtual instruction increased accessibility. Participants attended the zoom class from as far away as Italy and the Bahamas.
- Patients and their family or coach can attend from separate locations simultaneously. This allows those who live out of state or out of the country to attend preop patient education class.
- In June of 2020 virtual education began. The patients seemed to have a positive response but collecting evaluations was difficult. Zoom polling proved to be a successful way to collect evaluations.

Description of Data Collection and Analysis



What do our patients say ?

The Pre- Surgery Zoom class for knee and hip replacement directed by Hopkins, Lisa M Galanis, is a first-class presentation. Few Hospitals and Orthopedic Surgery Departments have such extensive system in place. The program allows understanding of information for all educational level. It is comprehensive and at the same time simple in terms. The program is interactive and allows for real time questions and answers for both residents of Maryland and patients coming from other states and foreign jurisdictions. It is a great help for patients who normally approach surgery with little information.

Jose



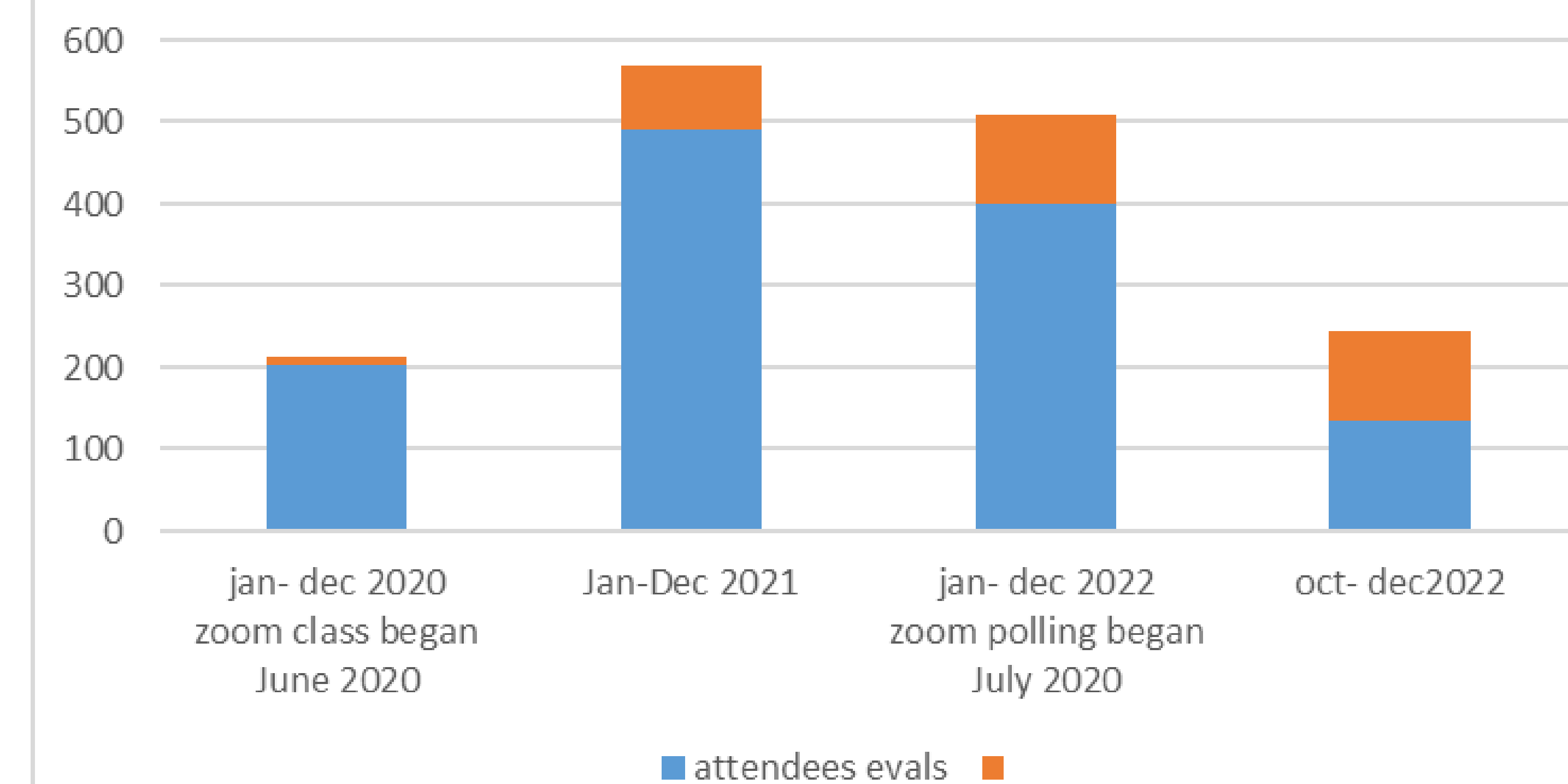
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I must admit I initially wasn't excited to have to do this class given my own background in healthcare. However, you were just fabulous and I learned so much. I am very grateful to you for your expertise, your wisdom, your years of service to nursing and to your patients, including me! I wish we had a program like this for labor and delivery. Areas of strength : The instructor has an expert knowledge base and a very personable demeanor which shines through even in an online format...

Carol

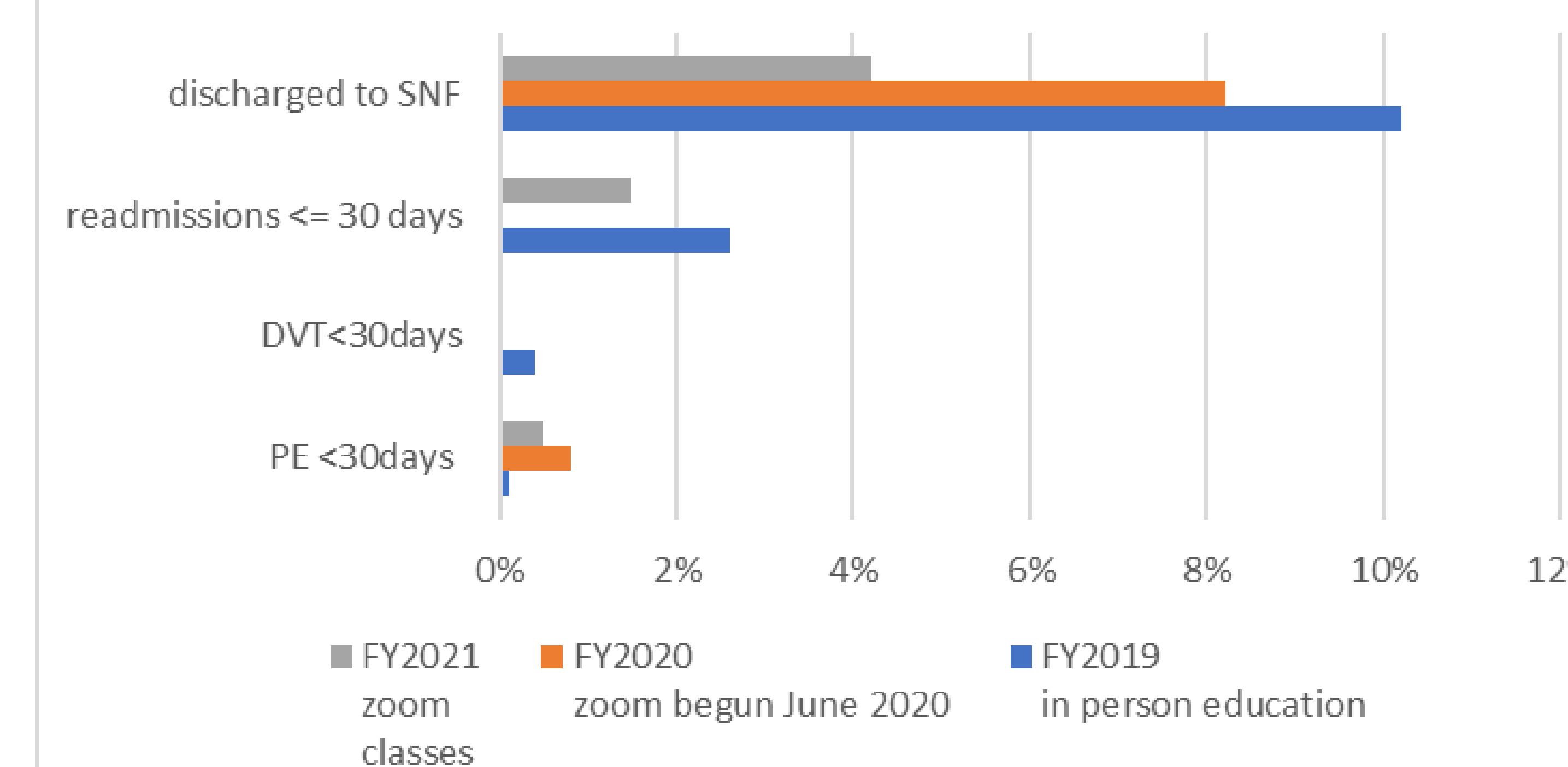
Outcomes Measures or Results

Number of attendees & return of evaluation



by the last quarter of 2020 evaluation return was 79 %

Patient outcomes



2019 pre- pandemic patient outcomes remained consistent or improved throughout the pandemic.

