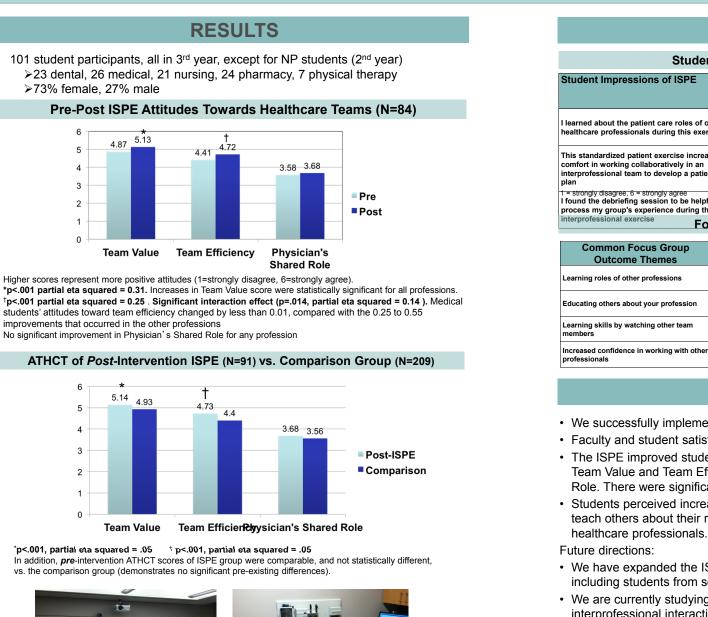


An Interprofessional Standardized Patient Exercise Improves Attitudes Towards Team Care

Maria A. Wamsley MD, Mehran Hossaini DMD, Lisa Kroon PharmD, Caroline Lindsay, P4 Barbara Newlin RN, MS, NP, , Bridget O' Brien PhD, Jennifer Staves MD, Kimberly Topp PT, PhD University of California San Francisco

SCHOOLS OF DENTISTRY, MEDICINE, NURSING, PHARMACY, AND GRADUATE PROGRAM IN PHYSICAL THERAPY





INTRODUCTION

· Effective interprofessional education (IPE) engages participants in authentic tasks settings and roles.

• The use of standardized patients (SPs) for IPE allows students to practice patient care skills, to observe and interact with other health professional students and to practice communication skills.

•We created an interprofessional standardized patient exercise (ISPE) to simulate an interprofessional team.

ISPE Objectives:

- 1. Enhance knowledge of other healthcare professionals' roles
- 2. Foster collaboration in patient care management
- 3. Improve communication skills among healthcare professionals

PROGRAM DESCRIPTION

- · 6 sessions held from January to April 2010
- · We created a complex standardized patient case, relevant to all participating professions¹

• Students from the Schools of Dentistry, Medicine, Nursing, Pharmacy, and Physical Therapy were assigned to interprofessional teams of 4-5 students.

ISPE Outline:

- The team develops a collaborative care plan
- Faculty-led debriefing session with 2-3 teams

METHODS

Study Measures

- > ISPE participants:
- 1. Pre-post administration of 21-item validated survey Attitudes Toward Healthcare Teams (ATHCT)². Items are grouped in 3 subscales: Team Value. Team Efficiency, Physician's Shared Role on Team
- 2. Post-exercise survey regarding impressions of the ISPE
- > Control students (N=209): Administration of the ATHCT

· Focus groups for each profession individually held and led by research team. Analysis

• Repeated measures ANOVA with one between factor (profession) and one within factor (score on pre-post attitudes toward team value, team efficiency, or physician's shared role) using a Bonferroni adjusted significance level of α=0.017 (α/n=0.05/3)

RESULTS (cont) Student and Faculty Impressions of ISPE				
ent care roles of other s during this exercise	5.36 (0.64)	The ISPE enhances student understanding of the patient care roles of different health professionals.	5.50 (1.10)	
nt exercise increased my aboratively in an to develop a patient care	5.18 (0.78)	The ISPE fosters communication between participating health professional students.	5.50 (1.10)	
trongly agree ession to be helpful to perience during the	5.03 (0.97)	The ISPE increases collaboration between participating health professional students.	5.50 (1.18)	
se Focus C	Froup Disc	ussion Themes		

us Group hemes	Sample Student Quotes
rofessions	"It was one of those things that really opens your eyes and just gives you a little more insight into what other people do more empathy for understanding their programs, and that they' re just as valuable." (Nursing)
our profession	"I think a lot of the students in my group were kind of confused as to what an NP would do in that situationthey were like – oh! Oh, okay, that's what you would do." (Nursing)
ng other team	"It was really good to observe other professionals interact with the patient, because I always do it my own way, and when I saw what other people do, I learned how to interview the patient." (Dentistry)
working with other	"I'm a little more comfortable talking to the physicianit's not so intimidating to go up to the physician and say, hey, this is what I feel should happen to this patient" (PT)

DISCUSSION

- · We successfully implemented a pilot ISPE for students from 5 health professions · Faculty and student satisfaction with the ISPE was high
- The ISPE improved students' attitudes towards health care teams in the areas of Team Value and Team Efficiency, but not Attitudes Toward Physicians' Shared Role. There were significant differences by profession.
- · Students perceived increased knowledge of professional roles, an opportunity to teach others about their roles and increased confidence in interacting with other
- We have expanded the ISPE and in 2012-2013, 377 students will participate including students from social work and nutrition interns.
- · We are currently studying team interactions during the ISPE to better understand interprofessional interactions in student learners.

1. TTStaves J, Hossaini M, Kroon L, Lindsay C, Newlin B, O'Brien B, Topp K, Wamsley M. Interprofessional Standardized Patient Exercise (ISPE): The Case of "Paul Harris". MedEdPORTAL; 2011. Available from: www.mededportal.org/publication/9011

2. Hyer K, Fairchild S, Abraham I, Mezey M, Fulmer T. Journal of Interprofessional Care 2000; 14:249-258.

