

Learner-Developed and Centered IPHE Curriculum at UCSF

Jennifer Samore¹, Amber Fitzsimmons², Breanne Cisneros³, and Renee Courey⁴
The University of California, San Francisco 1: School of Pharmacy, 2: Graduate Program in Physical Therapy, 3: School of Nursing, 4: Pathways to Discovery

Inspiration

- Align professional schools with UCSF's strategic plan
- Create and deploy curriculum that advances interprofessional (IP) competencies
- Explore innovative frontiers:
 - Does early exposure to IPHE enhance IP teamwork?
 - Do our current metrics deliver meaningful information?
 - What is the impact of IP student team leadership on IPHE curriculum design and efficacy, and on student teams?

Action

Six learners representing dentistry, medicine, nursing, pharmacy and physical therapy piloted a novel interdisciplinary yearlong IPHE curriculum for 500 1st-year learners

Analysis of 2009-2010 IPHE Curriculum

- Online engagement in curriculum declined over the year
- Few students did required readings
- Majority enjoyed integrated learning & small group experiences

Goals of 2010-2011 IPHE Curriculum

- Create learning objectives targeting readiness for IP learning
- Enhance student engagement via blended learning techniques
- Promote IP communication skills
- Build longitudinal IP relationships
- Incorporate health policy reform

Assessment

- RIPLS
- IEPS
- Satisfaction Survey

2010-2011 IPHE Curriculum

	Pre-IPHE Day 1 Oct QoTM 1		Nov-Dec QoTM 2	Jan-Feb QoTM 3	Mar-Apr QoTM 4	
	Pre-IPHE Curriculum: RIPLS/IEPS	Medical Home	Health Policy	Telemedicine	Video: Mr. Quintero Case	
	Video: Welcome to IPHE by the Deans	1.ID real life barriers to IP	1. ID key issues and trade offs in implementing reform	1. ID appropriate settings and usage of	Scenes 1&2: Communication Issues	
	Learning Objectives	collaboration	2. Relate Medical Home/Teamlets to Health Policy	telemedicine?	Scene 3: MD & RN interaction regarding Pain Mgmt	
	Pamphlet: Description of Professions	2. What was idealized in the	3. Submit questions you would like the Deans and	2. ID types of patient care needs that can be	Scene 4: Patient-Centered Care	
		Deans' skit?	Policy experts to answer at IPHE Day 2.	addressed using telemedicine?	Scene 5: Changes to Healthcare System and/or Tean	
		3. What needs to be changed?		3. Reimbursement of the various healthcare	Improve Pt Outcomes	
		,		professions or team?		
	IPHE Dav	1:		IPHE Day 2:		
	IPHE Day Wed Sept 29			IPHE Day 2: Mon Jan 24, 20		
					11	
"Classroom"	Wed Sept 29			Mon Jan 24, 20	11	
	Wed Sept 29	, 2010		Mon Jan 24, 20 Welcome and Keynote: Joe Castro, PhD and Helen	11	
	Wed Sept 29 Introduction & Ice Breakers Opening Remarks: Joe Castro, PhD	, 2010		Mon Jan 24, 20 Welcome and Keynote: Joe Castro, PhD and Helen Keynote: Health Policy by Kevin Grumbach, MD	11	
	Wed Sept 29 Introduction & Ice Breakers Opening Remarks: Joe Castro, PhD Keynote: Dean Kathy Dracup, RN, PhD, FAJ	, 2010		Mon Jan 24, 20 Welcome and Keynote: Joe Castro, PhD and Helen Keynote: Health Policy by Kevin Grumbach, MD Panel 1: Health Policy Experts Panel 2: Deans about IPHE at UCSF Introduction to Telemedicine	Loeser, MD, MSc	
Curriculum	Wed Sept 29 Introduction & Ice Breakers Opening Remarks: Joe Castro, PhD Keynote: Dean Kathy Dracup, RN, PhD, FAJ Deans' Skit with Small Group Discussion	, 2010		Mon Jan 24, 20 Welcome and Keynote: Joe Castro, PhD and Helen Keynote: Health Policy by Kevin Grumbach, MD Panel 1: Health Policy Experts Panel 2: Deans about IPHE at UCSF	Loeser, MD, MSc	

Figure 1: 2010-2011 IPHE Curriculum Timeline

Learning Objectives

- 1. Demonstrate knowledge of the roles, how to collaborate, when to refer
- 2. Initiate ongoing relationships within an interprofessional small group
- 3. Discuss how health policy reform will impact interprofessional teamwork
- 4. Explain the role of IPHE day as it relates to professionalism and continued professional development
- 5. Summarize established relationships among IPHE collaboration, job satisfaction, quality of patient care, and safety
- 6. Identify effective techniques for contributing opinions, insights and information to team problem-solving

Curricular Innovations

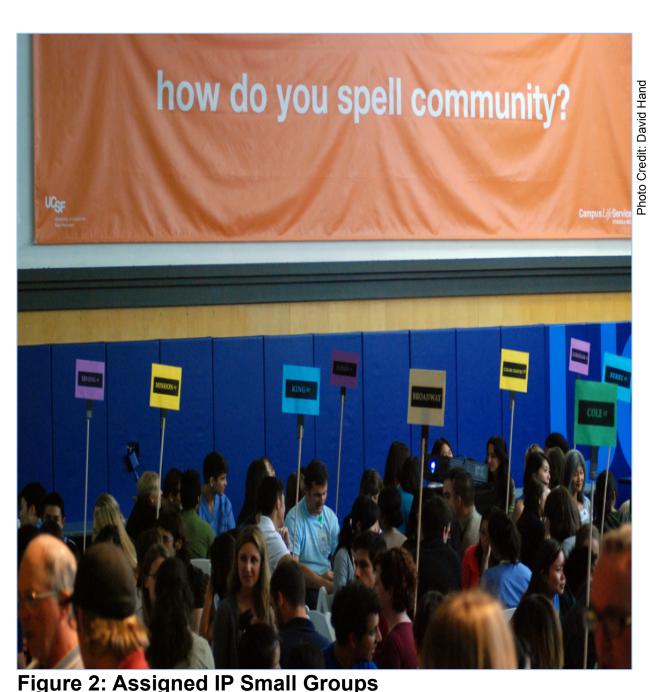




Figure 3: Online Pre-Event Learning



Figure 4: IP Student Curriculum Leadership Tean



Results: Satisfaction Survey

IPHE DAY 1

"[I liked] meeting students from other schools – observing team-based approach to health care in action – *learning more about different roles, other professions.*"

"The discussion was extremely stimulating and enriching in understanding the roles of each profession and the effectiveness of a healthcare team."

"[Suggestions for improvements:] Maybe have the students role play? *Continue to have faculty endorse the purpose of it* and make room (give credit) in the curriculum for it, or students won't be into it."

IPHE DAY 2

"Listening to the speakers of the first panel *tied* together what we've been discussing on CLE to real-life applications in our health care system."

"The small break out sessions allowed me and other professional students to discuss interprofessional ideas and to get to know each other."

"The program can be improved by showing more visuals, putting many of the discussions into cases that have happened before and how they can be looked at and resolved."

Results: Leadership Skills

Expected	Surprise
Project management/delegation	Value of the process over the project
Self-reflection and constructive feedback	Vested interest in professional development
Effective team collaboration	Gaining insight into the roles and responsibilities of other professions

Results: Curriculum Surveys

Pre- and Post- Curriculum Surveys (n=65)	Pre-Mean (SD)	(SD)	P- value <0.05
RIPLS Subscale			
Teamwork/ Collaboration	4.49 (0.49)	4.37 (0.69)	.152
Professional Identity	4.24 (0.61)	4.06 (0.71)	.021
Roles/ Responsibilities	2.06 (0.80)	1.95 (0.74)	.391
IEPS Subscale			
Competency/ Autonomy	4.69 (0.64)	4.43 (0.80)	.037
Perceived Need for Cooperation	3.69 (1.21)	3.68 (1.16)	.962
Perception of Actual Cooperation	4.85 (0.62)	4.51 (0.91)	.027

Conclusions

- Significant decreases in the pre- and postcurriculum surveys in the domains of Professional Identity, Competency/Autonomy and Perception of Actual Cooperation
- Impacts of curriculum on first-year learner attitudes and skills are *inconclusive* because currently available validated tools do not capture or identify nature of change
- Impacts of curriculum creation and implementation on student leadership team confirm that early exposure to authentic collaboration in IP teams is effective in increasing awareness of roles and augmenting teamwork skills.

Limitations

- Single institution (UCSF)
- No comparison group
- Low response rate
- Limitations of assessment tools
- Acculturation

Looking Forward

- Develop new assessment tools to determine the catalyst of IP collaborative growth and measure the changes within the domains
- Implement small-group, problem-based learning
- Create authentic and clinically relevant experiences

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