Adapting IP Learning for the Outliers: 2 Approaches to Engage Dentistry, Dental Hygiene and Medical Laboratory Science Students

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Introductory IPE Course

1095 students from 11 different health science disciplines were enrolled in the INT D 410 Winter 2015 course.

- Dentistry: 33
- Human Ecology: 1
- Medical Laboratory Science: 26
- Medicine: 154
- Nursing: 419
- Nutrition: 43
- Occupational Therapy: 118
- Pharmacy: 125
- Physical Education & Recreation: 14
- Physical Therapy: 109
- Speech-Language Pathology: 53
Why?

I don't think dentists play a very important role in interdisciplinary meetings (brush and floss. There, that's all I have to say... ) They are pivotal in complete care for the patient, and it is extremely important that they are aware of and work with other health professionals, but their role in the daily life and ... team meetings is very limited.

- Dentistry Student 2014
2 Approaches to Increase Relevance

- 10 week required course adapted
- 2 simulations developed
Stream: Collaborative Leadership

97 students in 12 teams
Dentistry, Medicine, Nursing, Nutrition, Occupational Therapy, Pharmacy, Physical Education, Physical Therapy, Speech Language Pathology

Focus
Building collaborative culture and networks
Skills Training: Communication, Conflict & Team Debriefing
Outcomes: Stream

- Relevant skills
- Authentic teams
- Application to practice evident

It was in these sessions that I learned the most, not only about (IP) practice, but myself and what I need to work on, and some of the things that are important to the people that we will be working with and how we can make sure to keep that in the forefront.

- Stream Student 2015
Simulation Class

Say What??
Information hand-off.

89 Students: Medicine, Nursing, Nutrition, Occupational Therapy, Pharmacy, Physical Education, Physical Therapy, Speech Language Pathology

We Need to Talk
ICU rounds.

114 Students: Medicine, Nursing, Pharmacy, Physical Therapy, Speech Language Pathology

Come on Over
Home visit.

54 Students: Nursing, Occupational Therapy, Physical Therapy

Walk a Mile
Space audit.

146 Students: Medicine, Nursing, Nutrition, Occupational Therapy, Pharmacy, Physical Education, Physical Therapy, Speech Language Pathology

Senior’s Discount
A day in the life of Henry & Margaret.

142 Students: Medicine, Nursing, Nutrition, Occupational Therapy, Physical Education, Physical Therapy, Speech Language Pathology

See the Diff?
Co-creating patient education.

42 Students: Medical Laboratory Science, Nursing

Once Bitten, Twice Shy
Scheduling issues.

74 Students: Dental Hygiene, Dentistry
MLS & Nursing Simulation

• 2014: 28 MLS and 28 nursing paired
• 2015: 21 MLS and 21 nursing paired

• Patient education scenario
• 2015: ½ Face to face, ½ by phone
• Debrief together
MLS Simulation Outcomes

What worked
• 90% of students more comfortable
• Nuances between face-to-face vs telephone created robust debrief

What didn’t
• 58% of MLS students reported that understanding of the nursing role increased
• Learners need ++ support getting started
• Better though still not authentic enough
...the situation seemed plausible, rather than forcing MLS students into situations that we wouldn’t be likely to do once we’re out in the workforce.

- MLS student 2015

...challenged us on how to communicate ideas to nursing staff and patients”

- MLS student 2015
Dentistry & Dental Hygiene Simulation 2015

For one class

- 32 dental students were grouped with 42 dental hygiene students
- Skills training prior
- Worked with SP in dyads or triads
- Conflict scenario
Dental Simulation Outcomes

What worked

- Contact with relevant discipline
- Authenticity and challenge of actor
- Left wanting more

What didn’t

- Application of skills inconsistent
- Inconsistent skill prep
- Partnering without past contact
- Triads
Next Steps

- More simulations with other disciplines
- Icebreakers
- More time
- Be explicit
Take Homes

Authentic Cohorts
Practical Skills
Real World Scenarios
Link to Practice
References


Contact

Health Sciences Education & Research Commons (HSERC), University of Alberta

www.hserc.ualberta.ca
Who Makes it Possible

Students

- Dental Hygiene 42
- Dentistry 32
- Medical Laboratory Science 22
- Medicine 67
- Nursing 251
- Nutrition 26
- Occupational Therapy 51
- Pharmacy 72
- Physical Education 8
- Physical Therapy 54
- Speech Language Pathology 36

Event Support

- standardized patients 14
- community facilitators 21
- faculty facilitators 18
- student volunteers 4