



Interprofessional Health Education To Improve Patient Outcomes For Tobacco Cessation- A Pilot Project

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Interprofessional Education (IPE)

- ▶ “Interprofessional education occurs when students from two or more professions learn about, from and with each other to enable effective collaboration and improve health outcomes.” (WHO, 2010)

Purpose of Project

- ▶ To increase intervention competencies of Registered Nurse (RN) and Respiratory Therapy (RT) students when caring for patients who regularly use tobacco.
- ▶ To provide opportunities for RN and RT students to develop role clarity, become knowledgeable about the other's role, to increase comfort level and confidence when working with the other profession
- ▶ To improve patient outcomes for tobacco cessation

Interprofessional Team

- ▶ Janine Chan- (Respiratory Therapy- Educator)
- ▶ Chelsea Corsi (Wellness Coordinator- TRU)
- ▶ Mona Taylor (BScN- RN Educator)
- ▶ Caitlin Duckworth, Jolene Eustache (BScN- RN students)
- ▶ Vanessa Aird (BScN- RN student)
- ▶ Linda Mueller (Respiratory Therapy- Educator)
- ▶ Julie Cinel (BScN- RN Educator)
- ▶ Sheila Blackstock (BScN- RN Educator)

Student Leadership

- ▶ N4380 focus on the role of the community nurse and leadership development.
 - ▶ Module and video development
- ▶ One semester 7 student responsible for working face to face with RN/RT students.
 - ▶ Provided seminar in first week of classes
 - ▶ Co-facilitated IPE activity

Project Design- Module

- ▶ Creation of the learning module
 - ▶ social determinants of health
 - ▶ best practice guidelines
 - ▶ current policies and practices
 - ▶ chronic health issues stemming from tobacco use
 - ▶ stages of change
 - ▶ Pathophysiology of addiction
 - ▶ Motivational Interviewing

Project Design-Videos

- ▶ Demonstrated
 - ▶ role play scenarios for approaching clients, and determining client readiness to quit.
 - ▶ competencies for health care professionals interacting with patients at various stages of change
 - ▶ the use of knowledge based tobacco cessation interventions in acute care settings.
 - ▶ <https://www.youtube.com/watch?v=Qi5V392Cegk&feature=youtu.be>

Project Design-Practice Scenarios

- ▶ Constructed a face to face active – learning initiative based on the learning module content and video scenarios.
- ▶ This was the forum for the RT and RN students to work with and test one another with scenarios.

Project Design- IPE Face to Face

- ▶ Coordinated 80 RT students and 80 RN students to participate in a face-to-face classroom experience
- ▶ Face to face session occurred during scheduled class time
 - ▶ Groups of 4 (2 RT, 2 RN) students
 - ▶ 4 scenarios, 4 roles/ student
 - ▶ 8 minutes/ scenario
 - ▶ Feedback time

Student Learning Objectives

- ▶ Through role play, students were to:
 - ▶ Articulate general knowledge about the harmful effects of tobacco
 - ▶ Demonstrate basic motivational interviewing techniques
 - ▶ Identify 'Stage of Change'
 - ▶ Provide client specific resources to assist with tobacco cessation
 - ▶ Demonstrate 'Cooperative Learning' best practice competencies

Stages of Change Theory (One Learning Outcome)

- ▶ Precontemplative- not thinking about quitting
- ▶ Contemplative- thinking about quitting but not ready to quit
- ▶ Preparation- getting ready to quit
- ▶ Action- quitting
- ▶ Maintenance- remaining a non-smoker

(Derived from the Transtheoretical Model of Behavioural Change by Prochaska & Di Clemente (1977)).

Cooperative Learning 'Best Practice' Competencies

- ▶ 5 important and necessary features
 - ▶ Positive interdependence
 - ▶ Face-to face promotive interaction
 - ▶ Individual accountability
 - ▶ Interpersonal and small group skills
 - ▶ Group processing

(D'eon, 2005)

Discussion of preliminary outcomes

- ▶ Fluid Survey administered to get an idea for the feasibility and usefulness of the project from the students' perspective
- ▶ Students valued skillset
- ▶ Experienced improved role clarity (for themselves as well as the other profession)
- ▶ Felt better prepared to approach and assist clients with tobacco cessation

Next Steps- Short Term

- ▶ Prepare to repeat face to face activity with modifications
- ▶ Develop a formal survey to administer to students following activity

Intermediate goals

- ▶ Follow students to practice
- ▶ Provide refresher seminar for skillset
- ▶ Evaluate students experience of intervention abilities

Longer Term Goals

- ▶ Partnership with local practice agencies
- ▶ Determine how many patients accessed resources as a result of student intervention
- ▶ Determine numbers of patients who were successful with tobacco cessation as a result of intervention

Concurrent Interprofessional Activities

- ▶ Implement community tobacco cessation module into school setting for students aged 11-13.
- ▶ New interprofessional collaboration (social work)

Questions?



References

- ▶ D'eon, M. (2005). A blueprint for interprofessional learning. *Journal of Interprofessional Care*, Supplement 1. pp. 45-59.
- ▶ Health Canada (2016). *5 Stages to Quitting. Stages of Change*. Retrieved January 29, 2016 from <http://www.hc-sc.gc.ca/hc-ps/tobac-tabac/quit-cesser/fact-fait/stages-etapes-eng.php>
- ▶ Thompson Rivers University (2016). *Redefining the Modern University. Strategic Priorities 2014-2019*. Retrieved February 12, 2016 from: http://www.tru.ca/_shared/assets/2014-2019_StrategicPriorities_PDF31428.pdf
- ▶ World Health Organization (2010). *Framework for Action on Interprofessional Education and Collaborative Practice*. Retrieved January 29, 2016 from http://apps.who.int/iris/bitstream/10665/70185/1/WHO_HRH_HP_N_10.3_eng.pdf?ua=1