

**IP Med Rec**  
Interprofessional Medication Reconciliation Event

**Interprofessional Medication Reconciliation:  
An Innovative Team-based Process  
to Engage Learners**

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**Disclosure Statement**

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  - Consulting Fees: None

Slide 2

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**2016 CPERC/AFPC Learning Objectives**

- Describe the process of developing an undergraduate IP MedRec Event involving > 800 senior Medicine, Pharmacy, Nursing and Nurse Practitioner students and recently graduated practicing pharmacists
- Explain the logistics of conducting the event in multiple venues and urban/remote locations
- Discuss the successes and challenges of actively engaging learners in IP MedRec patient safety concepts through this process
- Describe future opportunities for enhancing undergraduate MedRec training in an interprofessional environment

Slide 3

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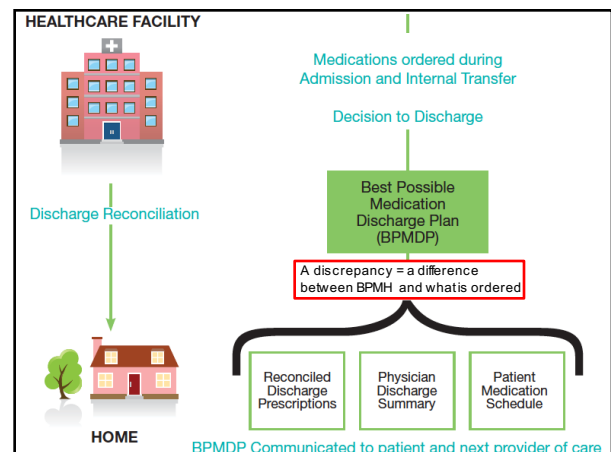
Judith Soon, RPh, PhD

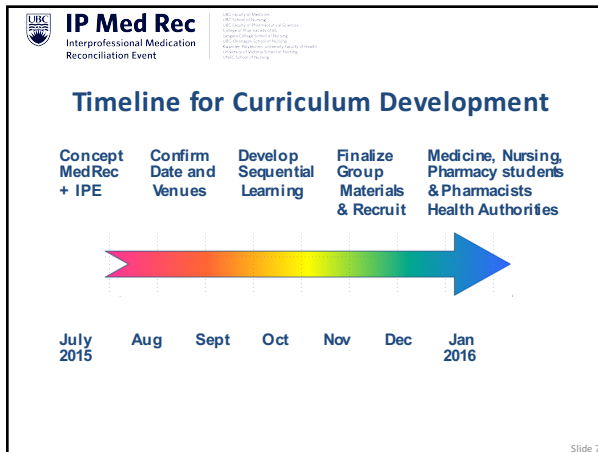
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**2016 IP Med Rec Learning Objectives**

- Demonstrate collaborative, responsive and responsible communication with other healthcare practitioners
- Understand and successfully perform their medication reconciliation role
- Apply the knowledge and clinical skills necessary to recognize, evaluate and resolve medication discrepancies at transitions of care to enhance patient safety
- Identify evidence-based information and employ communication technology effectively to optimize patient health outcomes
- Explain the rationale for physicians, pharmacists, nurses, and nurse practitioners working together to the benefit of their patients

Slide 5





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**Process of Developing IP MedRec Event**

- Need to establish links to other professions
- Need to identify by healthcare profession:
  - Level and number of students
  - Appropriate course to host activity
  - \*\*\* DATE \*\*\* of the activity
  - Participation - mandatory or volunteer
  - Assignment - individual or team
  - Technology – Faculty-specific or University-wide platform

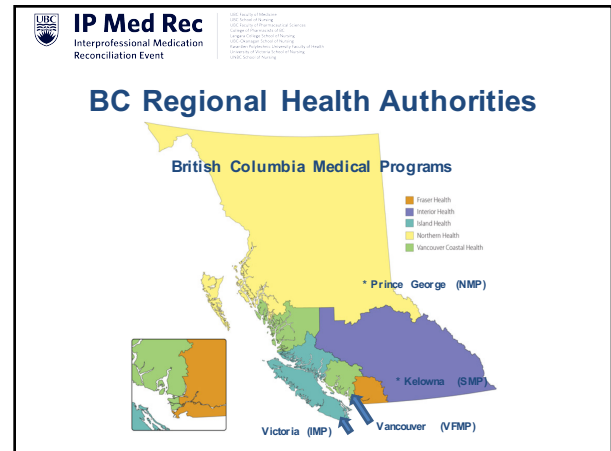
Slide 8

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**Urban/Remote Location Logistics**

- Need to identify for each of the four academic sites:
  - Number of IP participants
  - Number, size and location of rooms required
  - Faculty individual responsible for roombookings
  - Availability of rooms on potential date and times
  - IT technology to support the simultaneous activities
  - Facilitators: Regional Health Authority MedRec Coordinators
    - 4 UBC site; 1 UNBC site; 1 Uvic site; 1 UBCO

Slide 9



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**Technology Specifications**

- Need to identify by healthcare profession:
  - Technology manager and support personnel
  - On call individual prior to and during event
  - Early booking for technology link between sites
  - Preferred online platform and “shell” for courses
  - Platform login for participants to be set-up prior to event
  - Implications of high volume usage
  - Poll Everywhere

Slide 11

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**Clinical Case Setting and Resources**

- Clinical case development
- MedRec activity situated in a multidisciplinary discharge planning meeting
  - Patient, nurse, social worker, pharmacist, physician
- PharmaNet pre-admission form developed
  - diagnosis, age, medication history
- Acute care MedRec admission form
- Acute care Discharge form

Slide 12




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1000 University Street  
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604-822-5555  
www.ubc.ca/schoolofnursing

## Communications

- Need to identify for each healthcare profession:
  - Individual responsible for coordinating consistent messaging
  - Press release – by individual profession or collaborative
  - Signage – paper and/or digital
  - Media – academic, professional and/or community

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## Room Preparation


- Directional signage
- Sign-in sheets
- White boards
- Online connectivity
  - Verify PC & Mac enabled
- Unlock room doors
- Victoria, Kelowna, and Prince George distributed site coordination

**2016 INTERPROFESSIONAL MEDICATION RECONCILIATION EVENT**

Student Group Number:      Orientation and Debriefing Room Number:


Name	Faculty	Signature

Slide 14



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## IP Med Rec Curriculum 2016

**January 2, 2016** Pre-reading materials posted online

**January 8, 2016**

**9:30 am - 9:50 am** Orientation with MedRec patient video


**10:00 am - 11:20 am**

- UBC: 75 groups of 8 students (4 MD/4Rx/RN)
- UNBC: 9 groups of 8 students (4 MD/1Rx/3RN)
- UVIC: 6 groups of 8 students (5 MD/2Rx/1RN)
- UBC-O: 8 groups of 7 students (4 MD/2Rx/1RN)

 Review case, identify discrepancies, draft recommendations, submit group assignment online

**11:30 am–12:30 pm** Debriefing on discrepancies, consolidate learning.  
Post-Evaluation Survey posted online at 12:20 pm

Slide 15




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## Pre-Reading Preparation

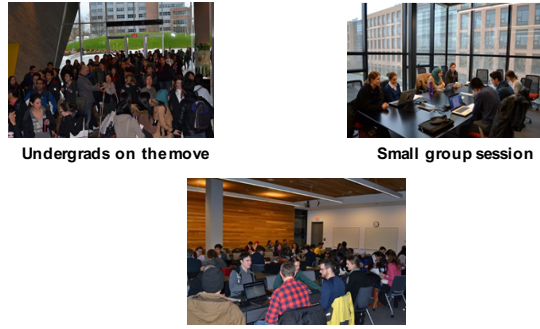
- Learning Objectives
- Background reference articles
- IP MedRec clinical case
- Map of the venues
- Request bring laptop or tablet

Slide 16



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## Student Experience

**Undergrads on the move**

**Small group session**

**Debriefing session**

Slide 17



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## Student Evaluation 2016

- *"The interprofessional collaboration was most valuable. It provided a platform to talk about the challenges of medication reconciliation and the different expectations and different roles". Nursing Student*
- *"Excellent opportunity to meet pharmacy students and collaborate in a collegial environment. The pharmacy students were knowledgeable, helpful, and pleasant to work with. Nursing opinions were also appreciated, as they spend by far the most time with patients, and are involved in medication administration, monitoring for adverse effects, receiving patient questions and complaints, etc." Medical Student*
- *"The case in the module was fantastic! It was very complex, and brought together many topics that we've covered in a single patient. Having a case for us to work up collaboratively in small groups was an excellent idea." Pharmacy Student*

Slide 18




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Website: ipmedrec.ubc.ca

## MedRec Successes

- Almost 2,200 senior Medical, Pharmacy and Nursing students and recent pharmacy grads trained in MedRec
- Utilized 4 sites (Vancouver, Victoria, Prince George & Kelowna)
- Communications and Marketing Campaign: joint media release, social media content, digital signage at UBC
- Incorporated a blended learning model
- Positively evaluated by healthcare students

Slide 19




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## IP MedRec Challenges

- Logistics of developing, implementing and evaluating the event
- Coordination between academic units and sites
- Online IP MedRec course shell in Blackboard
- Integrating event into established course and practicum schedules across disciplines

Slide 20




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## 2016 Enhancements

- This is a very *fluid* educational program that is responsive to student evaluations, and feedback from site coordinators and facilitators
- 21 recently graduated pharmacists (2003 – 2015) were recruited across the distributed sites
- Increased time for students collaboration on case
- Student engagement encouraged through use of online resources, *Poll Everywhere* and multiple video clips

Slide 21




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## Quantitative Evaluation

- 20 question post-event survey of all participants
- Descriptive statistics performed
- Response rate: 61.2%
- Strongly Agree/Agree
  - 90% - relevant to their program
  - 85% - valuable learning opportunity
- - small group format effective for learning
- - importance of MedRec for patient safety
- - collaborative debrief session effective

Slide 22




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## Qualitative Evaluation

- One on one semi-structured 15 minute interviews plus 3 short answer questions from the post-event survey
- Interviews conducted six months post-event
- Randomized 100% nursing students and practicing pharmacists; 28% of pharmacy and medical students
- 8 open-ended questions with exploratory follow-up probes, digitally recorded and subjected to thematic analysis
- Positive themes: IP collaboration and role clarification
- Area of improvement suggested: increase nursing engagement

Slide 23



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## Future Opportunities

- Include transition from Hospital to Residential and Community Care
- Increase nursing engagement by providing nursing participants with a meaningful role
- Re-position Medical student involvement to 2<sup>nd</sup> year
- Increase recruitment and participation of community pharmacists, particularly in rural and remote areas

Slide 24

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**If it is predictable...**  
**it is preventable...**

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**Acknowledgements 2016 IP MedRec**

- College of Pharmacists of British Columbia
- Interprofessional healthcare colleagues:
  - Pharmacy facilitators:
    - Dan Martinuesen (UVic)
    - Katie Shovar and Robert Pammett (UNBC)
  - Medicine: UBC, UNBC, UBC-O and UVic
  - Nursing: UBC, UNBC, UBC-O, UVic, Langara College and Kwantlen Polytechnic University

Slide 26

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<https://youtu.be/9wp1LMWthtw>

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**Questions?**

*Contact Information*

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