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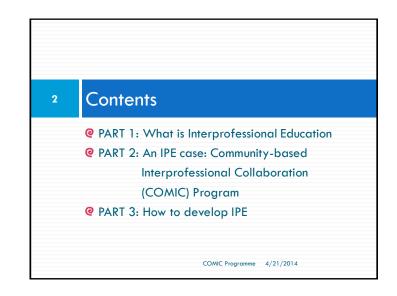
INTERPROFESSIONAL EDUCATION

Community-based Interprofessional Collaboration (COMIC)

programme

Dwi Tyastuti Graduate School Of Medicine International Research Center For Medical Education



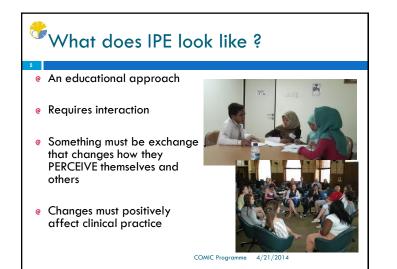


💝 What is IPE

"....occurs when two or more professions learn ABOUT, FROM and WITH each other to enable effective collaboration and improve health outcomes.."

→ Professional is an all-encopassing term that includes individuals with the knowledge and/or skills to contribute to the physical, mental and social well-being of a community.

Framework for Action on Interprofessional Education and Collaboration Practice, 2010 CAIPE, 2002

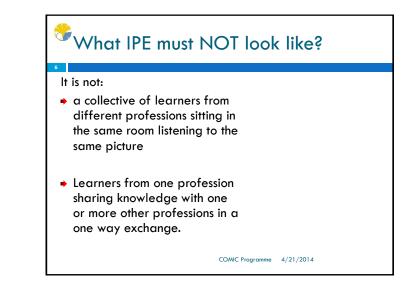


Terminology

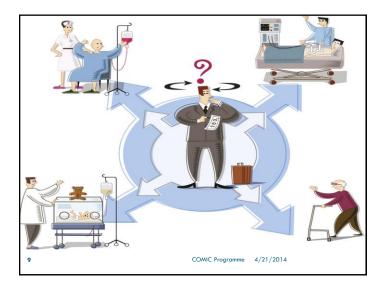
- ② Uni-professional: occasions when professionals or students from one profession learn together
- Multi-professional: occasions when two or more professionals or students learn side by side but in parallel (minimal interaction)
- Inter-professional: occasions when two or more professionals learn about, with, and from each other to improve collaboration and the quality of care.
- Irans-professional: occasions in practice where professional boundaries have been crossed or merged

Carpenter J, Dickinson H, 2008

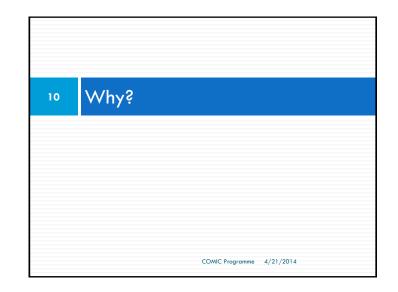
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- Health professional working in parallel
- □ System is fragmented
- □ More discipline centric than patient centric
- Increase incidence of medical errors



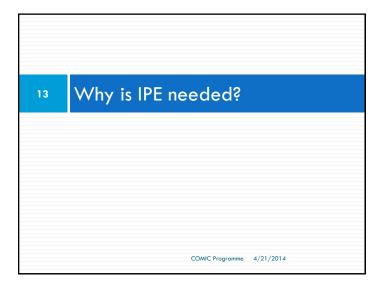


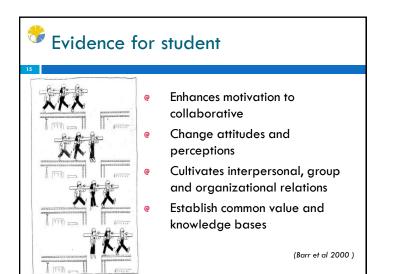


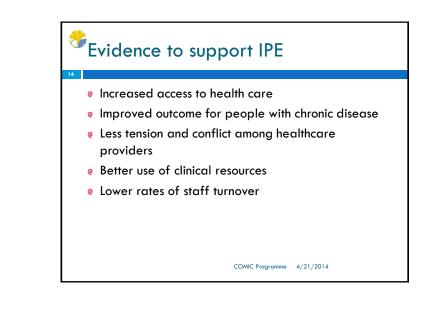
*WHO Statement

"Once students understand how to work interprofessionally, they are ready to enter the workplace as a member of the collaborative practice team.

IPE is a KEY STEP in moving health systems from fragmentation to a position of strength."









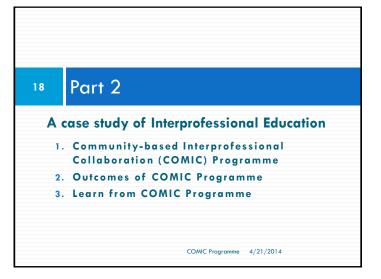


- IPE is supported by four domains competencies:
- 1. Values / Ethics for IPE practice
- 2. Roles / Responsibilities
- 3. IP Communications
- 4. Teams and teamwork

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Community-based IPE: Needs

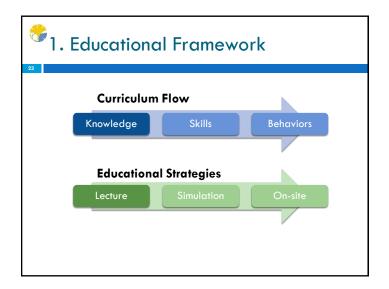
Global Issues

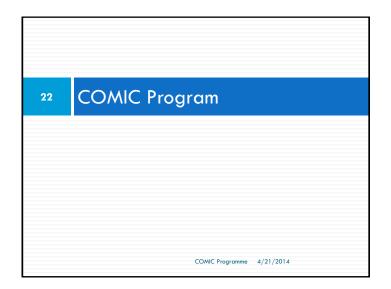
- Complexity of health problem
- Increasing aging population
- Strengthening primary health care (PHC) by WHO (2010)

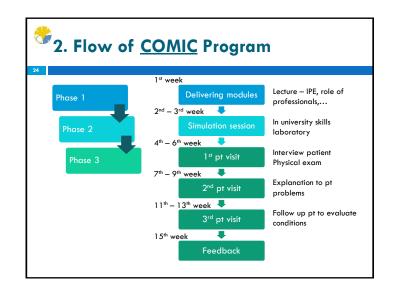
Local Context

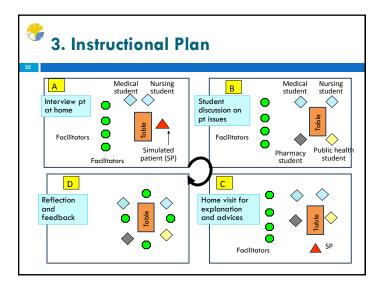
- PHC has been promoted in Indonesia
- Different professions collaborate more easily in community settings
- Non-health professionals have roles in community setting in Indonesia

| Indicator (n=83) | Developed Country | Developing Country |
|---|--|-----------------------------|
| Country | USA (41%), Canada (20.5%), UK (14.5%) | Nepal, Taiwan, Turkey (3.6% |
| Program | | |
| Academic | 53.0% | All |
| Community project | 14 (16.9%) | (Case study, Egypt, 2013) |
| # of profession <u>></u> 4 | 24.1 % | None |
| Evaluation: behavioral changes that assessed longitudinally | rare | None |
| Test validity of questionnaire | 21.7 % | None |



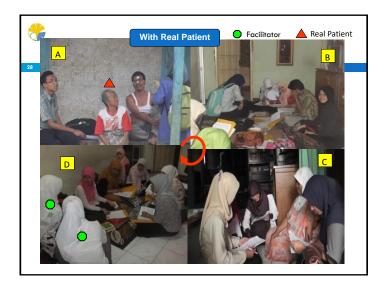


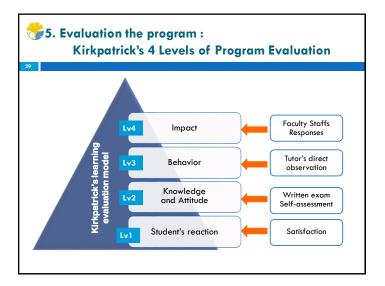


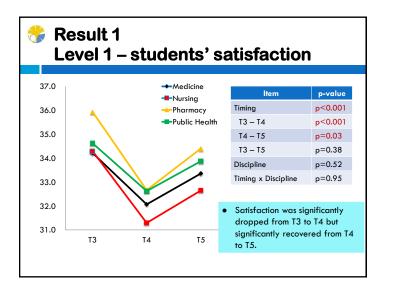


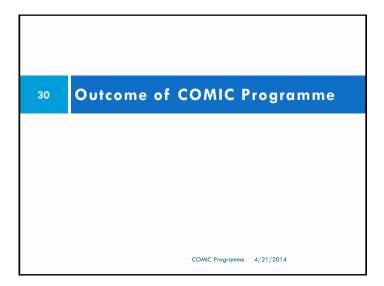




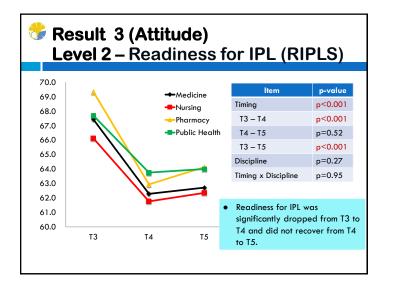


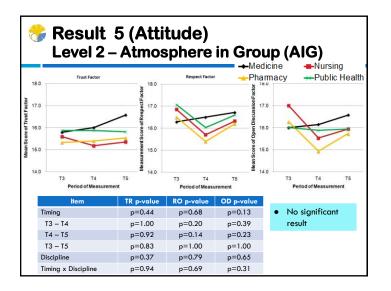


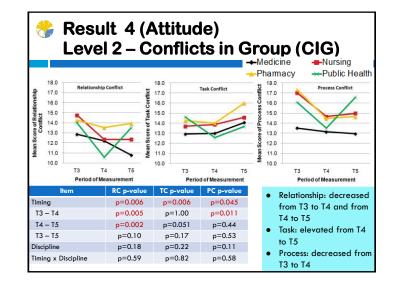




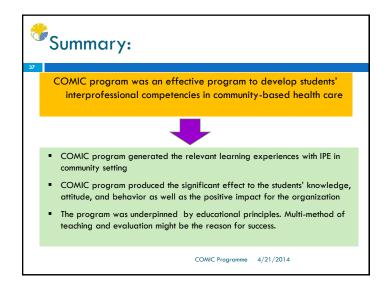
| Student`s | | | | Paired Differences | | | | |
|-----------------|----|-------|------|---------------------|------|--------------|----|-----|
| knowledge level | N | Mean | SD | Mean | SD | t-value | df | р |
| Before (T1) | 62 | 15.68 | 2.52 | -9.97 | 3.23 | -2.35 | 61 | 0.0 |
| After (T2) | 62 | 16.65 | 2.88 | | | | | |
| | | | | (nowledg nproved | | ignificantly | у | |

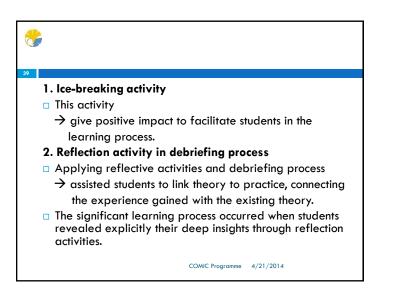




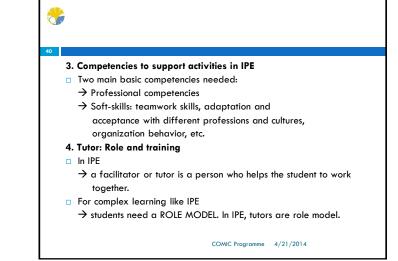


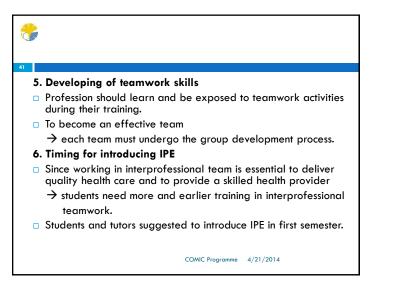
| | Simulation model (N=193) | 1 st patient visit (N=148) | |
|---------------------------|-----------------------------|--|--------|
| Indicator | Mean (SD) | Mean (SD) | q |
| Team performance (TP) | 50.0 (5.5) | 52.0 (3.5) | <0.00 |
| Communication skills (CS) | 43.5 (4.0) | 45.2 (2.2) | < 0.00 |
| Teamwork skills (TS) | 30.2 (2.6) | 31.3 (1.7) | <0.001 |

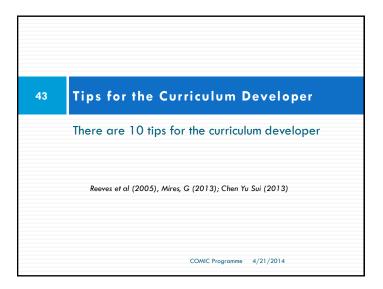


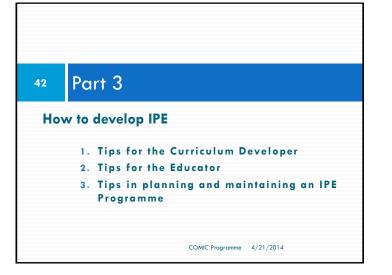


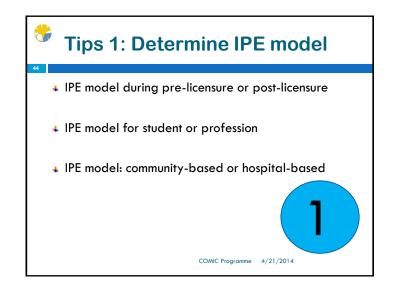
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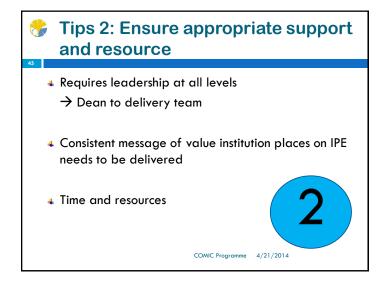




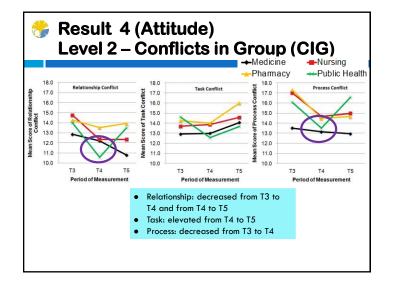


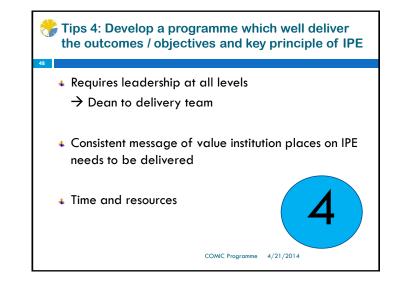


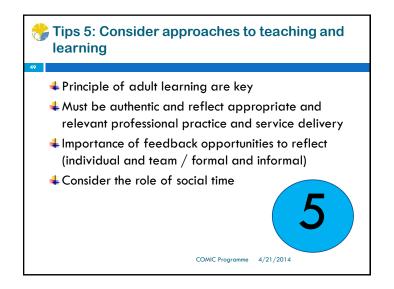


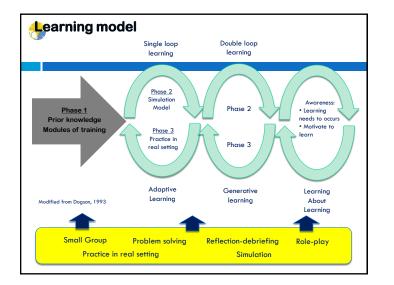


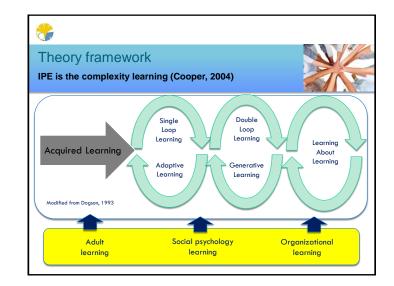


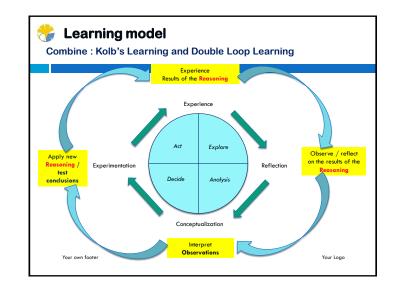


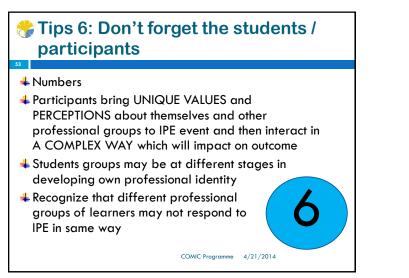


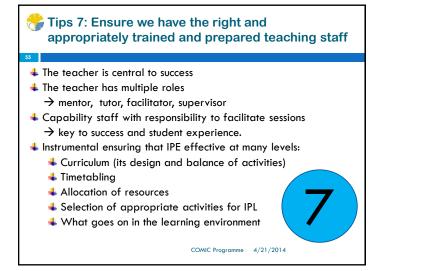


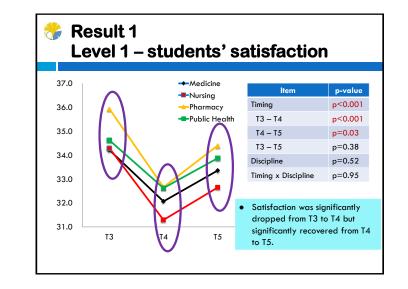








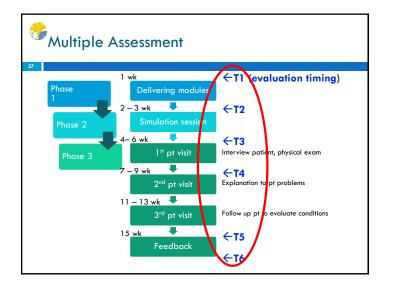


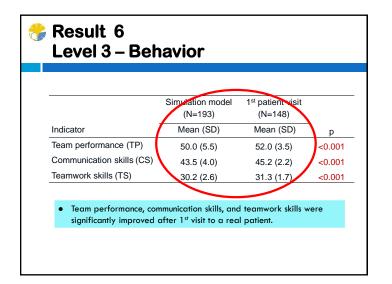


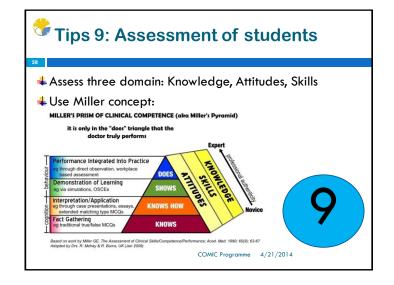
Tips 8: Determine how students will be assessed

Considerations:

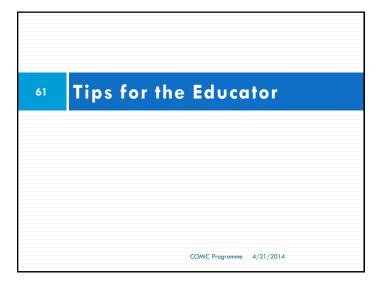
- How can IPE be assessed equitably, reliably and with good validity
- What form will assessments take?
- When should they take place
- Who will assess: discipline-based teacher or 'specialist IPE teachers'?

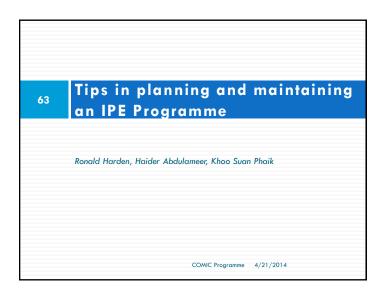






| Tips 10: Do not lose sight of key challenges and constraints |
|--|
| Key barriers to interprofessional collaboration and education: |
| Differences in history and culture |
| Historical INTRA-professional and INTER-professional rivalries |
| 4 Different in language and jargon |
| Difference in schedules and professional routines |
| 4 Varying levels of preparation, qualification, and status |
| Different in requirements, regulations and norms of professional education |
| + Fears of diluted and professional identity |
| 4 Differences in accountability, payment and rewards |
| Concerns regarding clinical responsibility |
| Headrick et al, 1998; Barr et al, 2002 |
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*

IPE is a complex learning and students learn it in complex way

Educator:

- □ To PROVIDE a programme for MIXED students
- To BALANCE need individual and groups
- To WORK WITH rather to teach learner

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- Identify a patient care system
 Build the IPL/IPE collaboration around this focus:
 e.g Diabetic care, ICU, Homecare
- Decide the common communication platform → to start our idea (facebook, website page group, periodic meeting) for sharing information, listening and respecting other opinions

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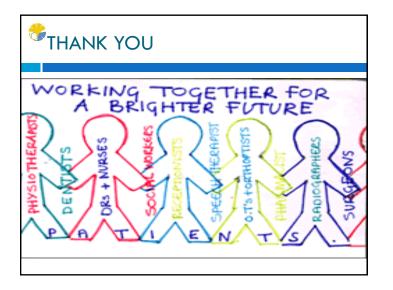
3. Learning and sharing

Health care provider/profession should be: Practitioner – I am able to help my patient Learner – I am willing to learn from others Educator – I am willing to teach

4. Role Clarification

 \rightarrow our capabilities – expertise – unit culture, etc

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5. Collaborative goals

Establish goal / effective plan for the patient through working together (e.g. Sharing decision making, problem solving, conflict resolution)

- 6. Assessment and evaluation of IPL learning students, IPL activity carried, etc.
 - \rightarrow multiple and mixed methods evaluation
- 7. Reflection and feedback
 - \rightarrow the end of each session or programme

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Debriefing

- What do you think is wrong with your patient?
 How did you come to that conclusion? What were the s/s?
- What orders did you write and why? What standards of care did you utilize?
- What were the outcomes ? Did the patient improve?
- What did you teach your patient?
- What were the advantages and/or disadvantages of working with another discipline.

