



University Clinical Affairs

Interprofessional Practice and Education for the Long-term

Agenda

- IU IPE Updates (Andrea)
- TEACH Curriculum Updates (Joe and Laura)
- TEACH Database (Jennifer)



Mission

Prepare IU health science learners to work across professions to improve population and individual health outcomes through high quality interprofessional team care.

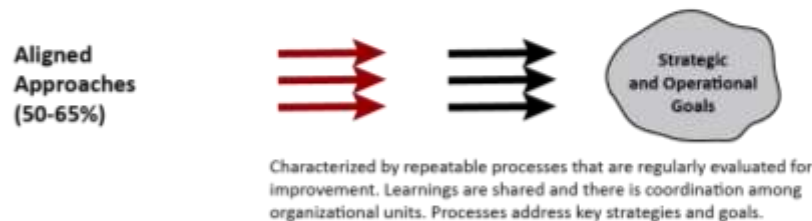


IU Center for IPE

- IU Schools of Dentistry, Fairbanks Public Health, Health and Rehabilitation Sciences, Medicine, Nursing, Optometry, Public Health Bloomington, Social Work
- Purdue University College of Pharmacy
- Partners: Student Outreach Clinic, IU Health, Eskenazi, AHEC
- 2017 TEACH Cohort: 2555 learners



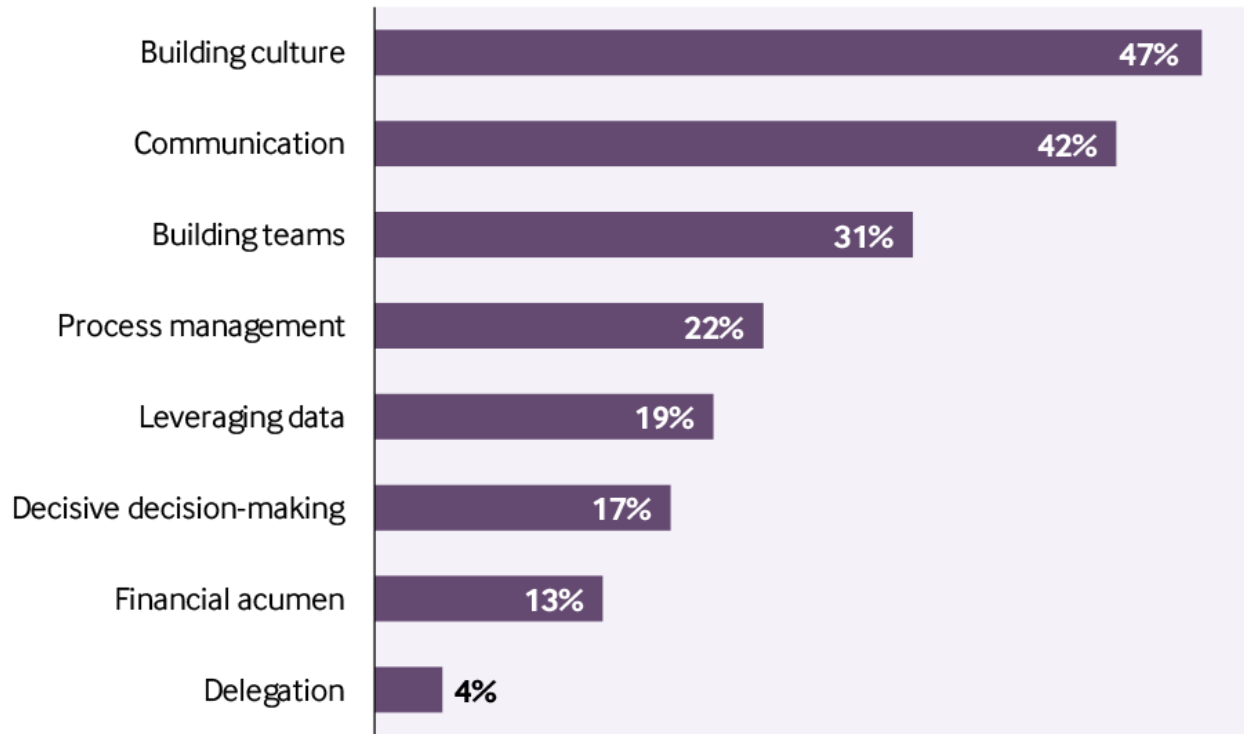
Steps toward Mature Processes



Adapted from Baldrige Performance Excellence Program. 2015. 2015-2016 Baldrige Excellence Framework: A Systems Approach to Improving Your Organization's Performance. Gaithersburg, MD: U.S. Department of Commerce, National Institute of Standards and Technology. www.nist.gov/baldrige.



Leadership Skills Needed in Evolving Health Care Landscape



What top two leadership skills are most important in the evolving health care landscape?

Sample size = 495, Multi-response

NEJM Catalyst (catalyst.nejm.org) © Massachusetts Medical Society



Faculty and Staff Leaders

- **Andrea Pfeifle**
Director



- **Linda Altmeyer**
Deputy Director



- **Laura Romito**
Assoc. Dir. Faculty
Development & Curriculum



- **Jennifer Taylor**
Assoc. Dir. Evaluation &
Scholarship



- **Aurelian Bidulescu**
*Special Project Leader for IU
Nexus Innovations Research*



- **Sarah Childs**
Intern



- **Shannon Cooper**
Instructional Design Mgr



- **Sarah Goletz**
Evaluation Coordinator



- **Theresa Joyce**
Project Coordinator I



- **Monica Reiff**
Administrative Asst.



- **Michael Scott**
Project Coordinator II



- **Alexandra Simonton**
SOC Clinic Co-Manager



- **Joe Thomas**
TEACH Program Manager



- **Lauren Tom**
SOC Clinic Co-Manager



Accomplishments

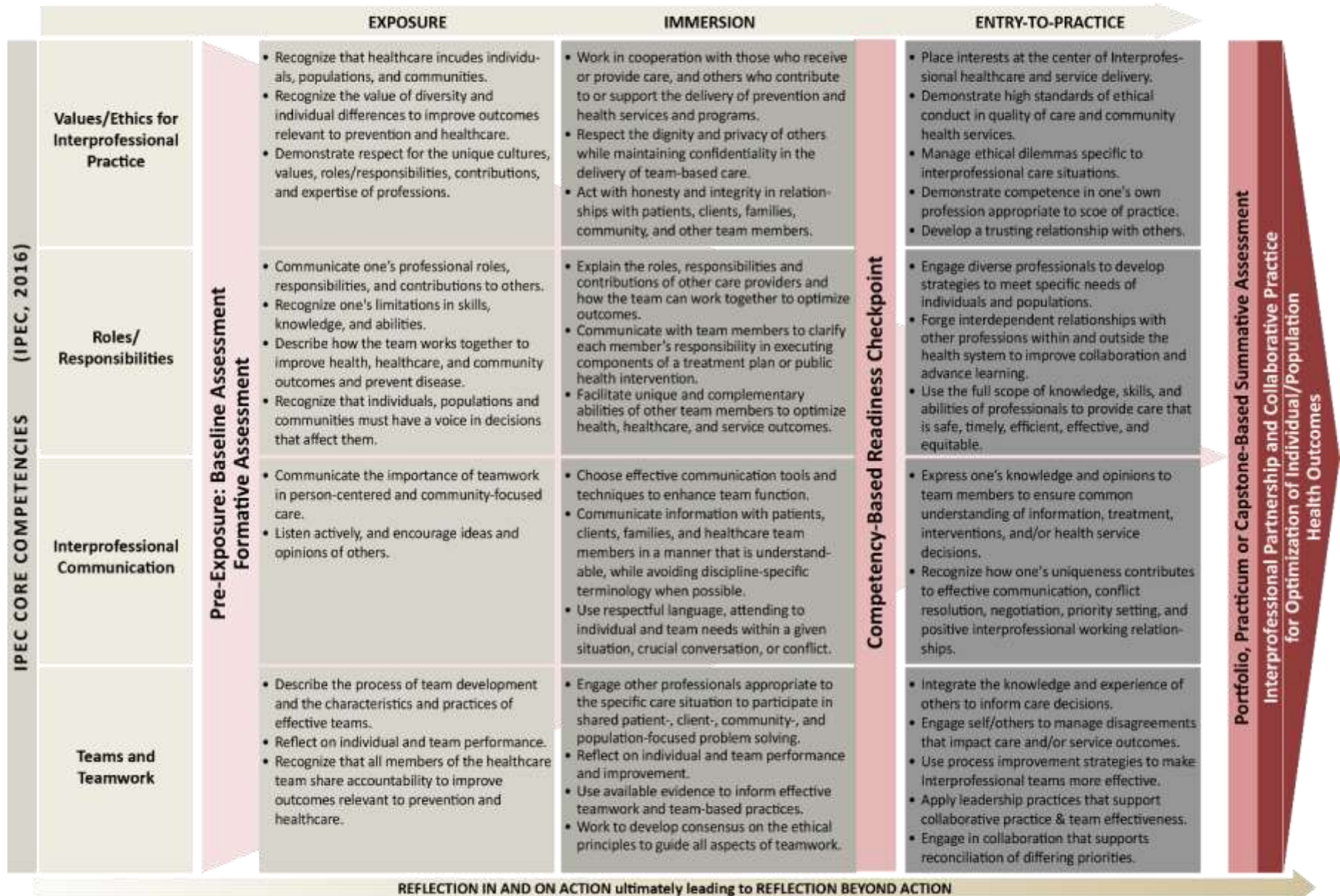
- >2900 IP learners
- National Center for IPE Pioneer Innovations Incubator site
- Extramural funding, >\$6,840,000
- Dedicated IPE space, IU Bloomington Health Education Building
- August 2017, all IU health science students begin longitudinal IP team training



Accomplishments

- 2400 IP student-learners
- TEACH Curriculum Framework and Curriculum Plan
- Student Outreach Clinic - Implementation of IP Clinic Management Model and Nexus research project
- Emerging Practice Partnerships – Student Outreach Clinic, IU Health Onboarding, Artistry Clinic, Eskenazi Clinics
- Extramural funding collaborations \$6,843,421 + IU Grand Challenge / \$1,292,412 salary savings IU IPE 2015-2021
- Scholarship - 15 peer-reviewed publications, 55 peer-reviewed presentations, 2 book chapters (still gathering data)
- Interprofessional health education building with dedicated space for IPE
- State-wide IPE conference







EXPOSURE

IMMERSION

ENTRY-TO-PRACTICE

Additional co-curricular elements illustrating impact of interprofessional collaborative practice available for integration throughout required and elective coursework.

Pre-Exposure: Baseline Assessment
Formative Assessment

IPLA #0: Orientation to Interprofessional Practice and Education

IPLA #1: Introduction to Interprofessional Practice and Team Science

IPLA #2: Using Interprofessional Practice and Team Practice Tools

IPLA #3: Interprofessional Practice within Person and Community Centered Care (Ethics Workshop)

IPLA #4: Simulated Interprofessional Practice

Option #1: Breaking Bad News

Option #2: Conflict Resolution

Option #3: Complex Chronic Care Management

Competency-Based Readiness Checkpoint

IPLA #5: Direct Observation and Feedback Around Interprofessional Collaborative Competencies Integrated into Clinical/Practical Experiences and Assessed Throughout

IPLA #6: Choose one or more...

- *Guided Observation & Interview*
- *Team Observation & Reflection*
- *Community Partnership*
- *Volunteer at Student Outreach Clinic*
- *Artistry or similar clinic*
- *Other*

Selective/Elective IP Learning -- Number to be determined by School/Program

Portfolio, Practicum or Capstone-Based Summative Assessment

Interprofessional Partnership and Collaborative Practice for Optimization of Individual/Population Health Outcomes

REFLECTION IN AND ON ACTION ultimately leading to REFLECTION BEYOND ACTION

Each IPLA includes preparation, IP collaboration, debriefing and integration

All IPLAs are person-centered and include individual, family, and community context.

*Note: IPLAs grounded in community engagement to address individual and population concerns related to Indiana health priorities.



TEACH Timeline and Progress

AY 2014-15

- ✓ **Assess Institutional readiness**
- ✓ **Build school level IPE leadership capacity**
- ✓ **Space and simulation inventory**
- ✓ **Design and validate TEACH Framework**
- ✓ **Launch IU SOC Nexus project**

AY 2015-16

- ✓ **Approve TEACH Framework**
- ✓ **Inventory existing IPE**
- ✓ **Partnership with IUHP and Student Outreach Clinic**
- **Phase I TEACH pilots**
- **Infrastructure: Statewide Advisory Board & Academic Steering Committee**

AY 2016-17

- ✓ **Phase II TEACH pilots**
- **Determine TEACH metrics**
- **Faculty equipping**
- **Prototype and pilot “Peer IPE Leadership Program”**
- **Identify IP/IPE practice exemplars**
- **Regional IPE work groups**

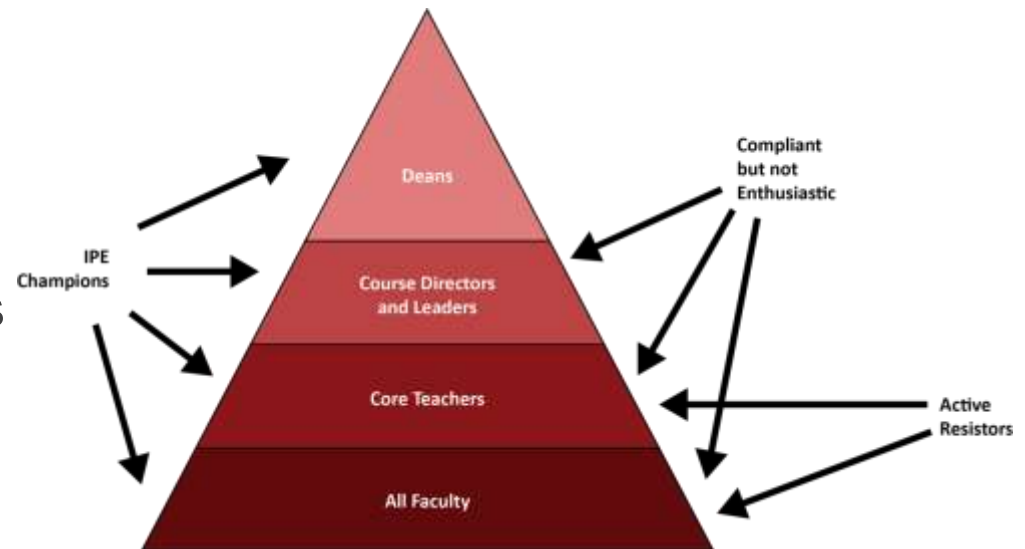
AY 2017-18

- **Full scale implementation and formative assessment of TEACH, all campuses**
- **Pilot “Peer IPE Leadership Program”**
- **Ongoing faculty equipping**
- **Quarterly IP/IPE clinics**
- **Phase III TEACH Pilots: Practice-based IPE**



Faculty Development

- Wave 1
 - Build excitement for IPE & Enhance collaborative culture
 - All Faculty Levels; Statewide kick-off events
- Wave 2
 - F-T-F; Remote events
 - IP Faculty Groups
 - Focus: IP Skills, Process
- IPLA -associated FD



Selective/Elective IPE

- Midwest Area Aids Education Center (HRSA-Funded)
- Geriatric Workforce Enhancement (HRSA-Funded)
- Modified TeamSTEPPS training (Josiah Macy Jr, National Center IPE)
- Integrating Precision Health into health science schools' curriculum (IU Grand Challenge)



Opportunities

- Graduate Medical Education and Fellowships
- Precision Medicine Initiative
- Collaborating Across Borders VII Conference
- Practice transformation & workforce development
- Statewide IPE conference
- Associate Degree and Certificate programs
- Clinical and Translational Science



Practice Transformation

Realignment of the Relationship between Practice and Education around IP Teamwork

GME

- High-need, high-cost patients represent 5% of the patients and comprise 50% of the care costs
 - Transitions of Care (CLER project)
 - Geriatrics Resources for Assessment and Care of Elders (GRACE)
 - Acute Care for the Elderly (ACE)
- Resident-as-Teacher curriculum



Artistry Clinic

- Team Training: IU Health Onboarding
- Integration of Physical Therapy, Pharmacy, Social Work, Medical Students into Primary Care



Student Outreach Clinic

Medicine ● Social Work ● Dentistry ● Nursing ● Health and Rehabilitation Sciences ● Public Health ● Pharmacy



Primary Care & Dentistry

- Phase I: Pediatric Wellness / Dental Hygiene Clinics
- Phase II: Adult Primary Care and Dentistry Clinic



Resources: IU-IPE Database

Create Event Request

Home Reports Announcements Reports Services Admin | info.ipe@iu.edu | Log Off

Basic Information

Please fill out the following form.

Organization: CPEEP

Event Coordinator: M. Copley-Ogden

Facility: IU-IPE Center

Event Type: IPE Event Anchor 1

Event Title: Ethics Event

Description: Interdepartmental Ethics Event

Allow Self-Registration:

Is Multi-Day Event:

Notes:

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Indiana University - GALT (Division: GALT)

Request Summary

Organization: CPEEP

Event Coordinator: M. Copley-Ogden

Facility: IU-IPE Center

Event Type: IPE Event Anchor 1

Event Title: Ethics Event

Self-Registration: true

Multi-Day: false

Schedule:

Start Date:

End Date:

Repeat: No()

Start Time:

End Time:

Participants:

Participant Count: 0

Summary:

Example of Step 1 of identifying the logistics of an IPE Ethics Event such as dates, times, and the need to create a registration hyperlink.

IU-IPE Database

Create Event Request

Roles and Participation
Add roles with certificate correlation as applicable.

Role	Count	Type	Remove
Student - Medicine	100	Type:None	Remove
Student - Nursing	100	Certificate	Remove
Student - Health and Behv	100	Certificate	Remove

Please select participants and add them under the appropriate roles selected above.

All Users **Registered Users**

Mr. Health Student
Mr. Participant User
Mr. Health Student2
Mr. med student
Mr. Nursing Student
Mr. Sally Herring
Mr. Michael Kanski
Mr. Med Student
Mr. nursing student

Student - Medicine ++
Student - Nursing ++
Student - Health and Behav ++

Documentation Notes

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Indiana University - SAH [Version: 3.0.0.0]

Request Summary

General Information

Organization: CIPEP
Coordinator: Mr. Ciptop (igAdmin)
Facility: IU-IPE Center
Event Type: IPE Event Author 1
Event Title: Ethics Event
Self Registration: true
Multi Day: false

Schedule

Start Date: 09/05/2008
End Date: 09/16/2008
Repeat: Daily
Start Time: 8:30am
End Time: 12:00am

Participants

Participant Count: 0

Example of Step 2 of identifying the logistics of an IPE Ethics Event.

In this step, we can step up the specific IPE teams within each event. In this case, we can identify the max number of learners (by discipline) that may attend each event.

We also have the option to pre-register learners for each event.

IU-IPE Database

Example of Step 3 involves identifying the competencies of an IPE Ethics Event. We can identify which IPEC domain (Teams and Teamwork, Roles and Responsibility, etc.) and specific competency that is either addressed, assessed, or addressed and assessed during the event.

IU-IPE Database

The screenshot displays the 'Create Event Request' interface. On the left, under 'Resources', there are tabs for 'Space', 'Personnel', 'Equipment', and 'Supplies'. The 'Resources Available' section shows 'CPREP Room 200 (1/1)'. The 'Selected Resources' section shows a list of resources: 'Mr. Cuthy', 'CPREP Jean', 'CPREP Product 1', and 'CPREP Room 200'. On the right, the 'Request Summary' panel includes sections for 'Request Information', 'Schedule', 'Participants', and 'Resources'. The 'Request Information' section includes fields for Organization (CPREP), Coordinator (Mr. Cuthy-Stephen), Facility (IPE Center), Event Type (CPREP Activity 1), Event Title (CPREP Event), Self Registration Time, and Multi Day (No). The 'Schedule' section includes Start Date (10/15/2016), End Date (10/16/2016), Request Status, Start Time (8:00am), and End Time (11:00am). The 'Participants' section shows Participant Count (0). The 'Resources' section lists: Mr. Cuthy Activity (1), CPREP Jean (1), CPREP Product 1 (1), and CPREP Room 200 (1).

Step 4 involves identifying and scheduling the specific resources (space, personnel, equipment, and supplies) needed to facilitate the anchor event.

We have the administrative capability to modify both the type of resources we have, as well as schedule the resources for specific blocks of time.

This will also us to better plan the use of IU-IPE Center resources.

IU-IPE Database

Edit Event Session

Request Information

Organization: COPREP

Event Coordinator: Mr. Clippy Ogden

Facility: IU-IPE Center

[Create Template...](#)

Session Information

Session Subtitle: EStates Event

Date: 09/30/2010

Time: 8:30am - 10:00am

Session Status: Ready

Registration Open

[Create Tickets...](#)

Write: Mr. Clippy Adams

Checklist

- Ensure handouts are ready. (Mr. Clippy Adams at 09/31/2010 1:30pm)
- Order supplies. (Mr. Clippy Adams at 09/31/2010 1:30pm)

Notes

[View History](#)

Basecases

Space Personnel Equipment Supplies

COPREP Room 300 (1/1)

Mr. Clippy Adams

Admin

Logout

Step 4 involves confirming all of the logistical components of event.

In this step, a checklist of tasks or steps is included for this event.

We have the administrative capability to modify the items listed on the checklist.

IU-IPE Database

The screenshot shows a 'Create Teams' window with a table for configuring roles and a preview of the resulting teams.

Role	Participant Count	Min	Max
Student - Health and Rehab	1 / 2	<input type="text" value="0"/>	<input type="text" value="1"/>
Student - Medicine	2 / 2	<input type="text" value="1"/>	<input type="text" value="1"/>
Student - Nursing	2 / 2	<input type="text" value="1"/>	<input type="text" value="1"/>

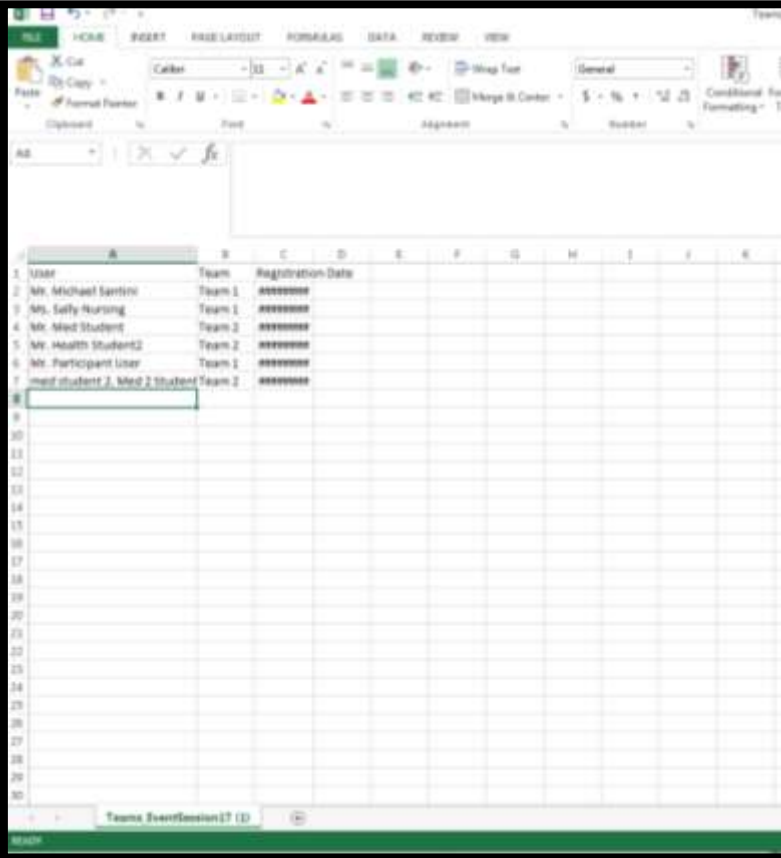
Team	Student - Health and Rehab	Student - Medicine	Student - Nursing
Team 1	0	1	1
Team 2	0	1	1

The team structure results in uneven teams. What would you like to do?

- Shuffle remainder into other team(s) (overriding min/max rules)
- Cancel registration for uneven team members (ordered by registration date/time)

Once students are registered for the event, the system is set up to automatically place students into teams based on the configuration set up by the Center. In this example, two teams were set up of Health and Rehabilitation students (this will be more specific such as PT/OT), medicine, and nursing.

IU-IPE Database



The screenshot shows an Excel spreadsheet with the following data:

User	Team	Registration Date
Mr. Michael Santini	Team 1	#####
Ms. Sally Nursing	Team 1	#####
Mr. Med Student	Team 2	#####
Mr. Health Student2	Team 2	#####
Mr. Participant User	Team 1	#####
Med student 2, Med 2 Student	Team 2	#####

Once the teams are determined, members of the IPE team can download an excel spreadsheet of each team and their team members. Additional information will be included such as learner academic program and school.

IU-IPE Database

Information for each learner is collected within the database for longitudinal tracking purposes. Data metrics include:

- Name
- Email
- Student ID
- School
- Academic Program
- Program start date
- Program end date

The collection of this information will allow for the longitudinal tracking of learners as they progress through the IU-TEACH Curriculum.



The image shows a web form titled "Register." with the subtitle "Create a new account." The form is set against a white background with a dark red header bar. The form fields are arranged vertically and include: Title, First Name, Last Name, Email, Graduation Year (a dropdown menu), Academic Program, Academic Year (a dropdown menu), School (a dropdown menu), Degree, Password, and Confirm password. A "Register" button is located at the bottom of the form. At the very bottom of the page, there is a footer that reads "Indiana University - SABS [Version: 0.0.0.20]".

The Vision: IU IPE

- **Interprofessional Education:** All Indiana University learners are systematically prepared to collaborate across professions to improve population and individual health outcomes through high quality team-based care.
- **Scholarship:** Conduct and disseminate scholarship emerging from and supporting continuous improvement of interprofessional practice and education.
- **Workforce Development:** Build community and practice partnerships that include interprofessional collaborative practice and teamwork initiatives that include learners as one resource to improve individual and population health. Education center for health professionals about team-based, safe, and patient-centered care - offering robust trainings and educational opportunities



Discussion

- How can the Center collaborate most effectively with you to develop the link between interprofessional education and practice?
- What additional opportunities exist to leverage interprofessional education for practice transformation across the state?
- What do you see happening in the next 3-5 years that should influence IPE priorities?
- Other feedback?



Contact Information

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