

Teaching HIA in Universities

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INDIANA UNIVERSITY

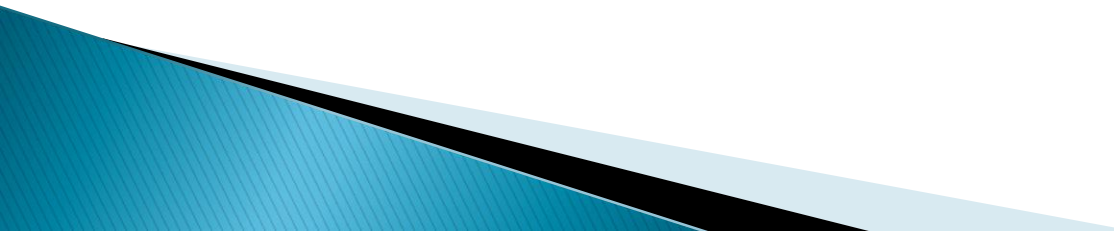
SCHOOL OF MEDICINE

Overview

- ▶ Indiana University
- ▶ Indiana University Purdue University Indianapolis (IUPUI) (campus)
 - School of Medicine
 - Department of Public Health– CEPH accredited program



Campus Profile –Indiana University Purdue University Indianapolis

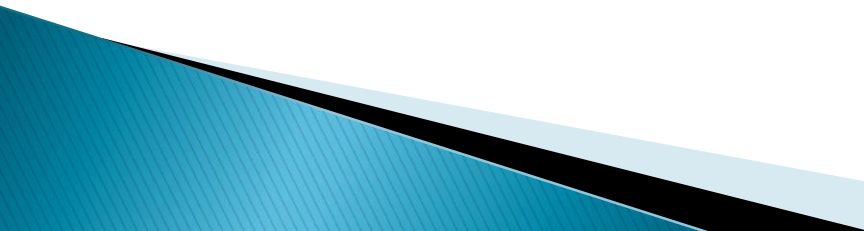
- ▶ IUPUI is Indiana's premier urban public research university
 - ▶ Offering more than 250 degrees in 21 schools
 - ▶ The campus has a health and life sciences focus, with a medical school and a nursing school among the largest in the nation.
 - ▶ The campus awards degrees from both Purdue University and Indiana University
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IU Department of Public Health

- ▶ 3 PhD programs: Epidemiology, Health Policy Management and Biostatistics
- ▶ 5 MPH concentrations
- ▶ Masters in Health Administration program
- ▶ Bachelor of Science in Public Health
 - Community Health
 - Environmental Health Sciences
- ▶ Bachelor of Science in Health Services Management



Indiana University HIA– Course Background

- ▶ Initiated with a conversation with the Marion County Public Health Department(MCPHD)– Spring of 2010
 - ▶ October 2010 assigned to Cynthia Stone faculty and Marion Greene, Program Analyst, Center for Health Policy and Research
 - ▶ Course development with many meetings with MCPHD and then the Indianapolis Metropolitan Planning Organization(IMPO)
 - ▶ Focus the proposed long–range transportation plan for central Indiana
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First Course H515

- ▶ January 2011 start of the semester
- ▶ 3 credit course–elective
- ▶ 13 students
 - MPH–11
 - MHA–1
 - Public Health Certificate–1



First Course assignments

- ▶ Case study
- ▶ Mini-HIA proposal
- ▶ Application project with 3 groups focused on proposed bus expansion within Marion County and potential impact on:
 - Physical Activity
 - Obesity
 - Diabetes



Content Experts were used to assist with the course



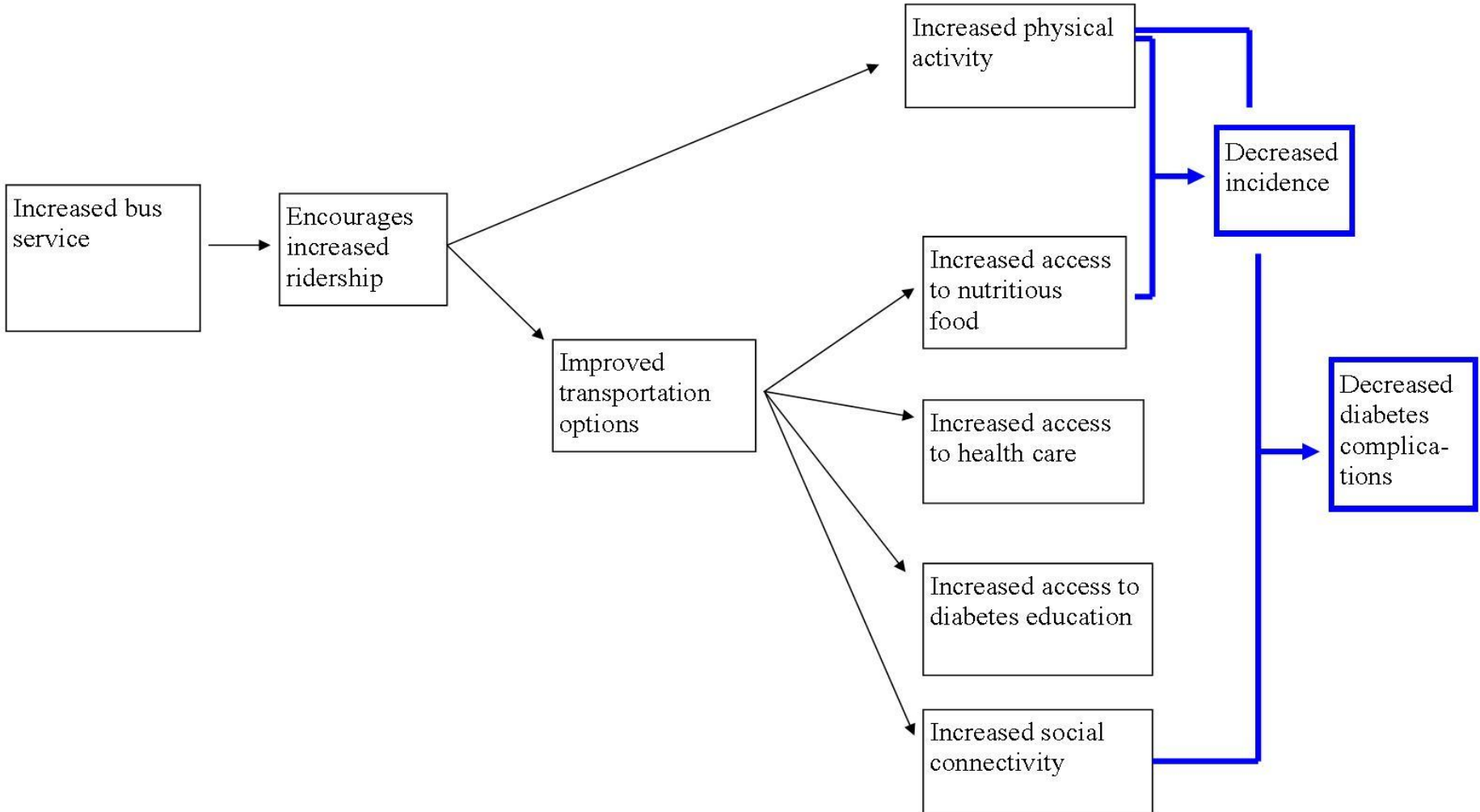
- ▶ **Community Partners:**
 - Marion County Public Health Department
 - Health by Design–Executive Director
 - SAVI data base–Bowen Center
- ▶ **HIA speakers:**
 - Human Impact Partners
 - Robert Stokes, PhD– Light Rail HIA for Charlotte, NC
- ▶ **Transportation speakers:**
 - IndyGo –Executive Director
 - Central Indiana Regional Transportation Authority–Executive Director
 - Indianapolis Metropolitan Planning Organization
 - American Public Health Association transportation webinar series



INDY CONNECT
CENTRAL INDIANA'S
TRANSPORTATION INITIATIVE

**Health
Determinants**

**Health
Outcomes**



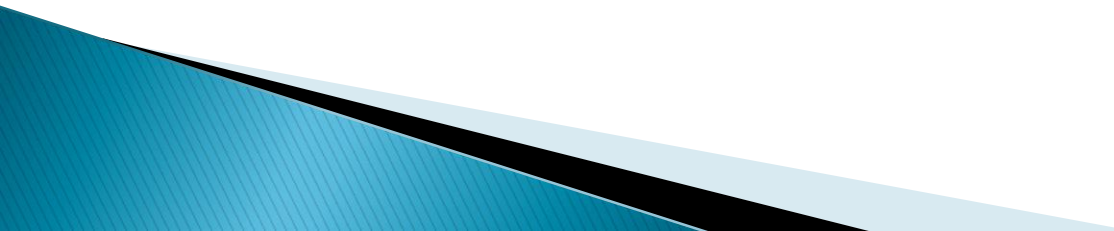
First course evaluations–Students

Evaluation item	Mid–term evaluation	Final evaluation
I would rate this course outstanding	66.7% agree 33.3% undecided	92% agree or strongly agree, 8% undecided
The course helped me gain useful knowledge and/or skills	83.3% agreed or strongly agreed 16.7% undecided	100% agreed or strongly agreed
The course stimulated me to learn more about the subject matter	91.7% agreed or strongly agreed 8.3% undecided	92% agreed or strongly agreed 8% undecided
I have benefited from taking this course	91.7% agreed or strongly agreed 8.3% undecided	92 agreed or strongly agreed 8% undecided

First Course Evaluation– Community Partners

Question	Strongly disagree	Disagree	Neutral	Agree	Strongly Agree	NA
The HIA course described the purpose, benefits and challenges of an HIA	0	0	0	1	2	
The students developed an in-depth understanding of the HIA process	0	0	0	2	0	1
Students collaborated effectively with me/my agency	0	0	0	1	2	
Students could demonstrate critical thinking	0	0	0	2	1	
Students examined the potential health impact on policy proposals in Indiana	0	0	2	0	1	
The HIS course met my/my agency's need for workforce trained in HIA process	0	0	0	0	1	2

First Course Evaluations–Faculty

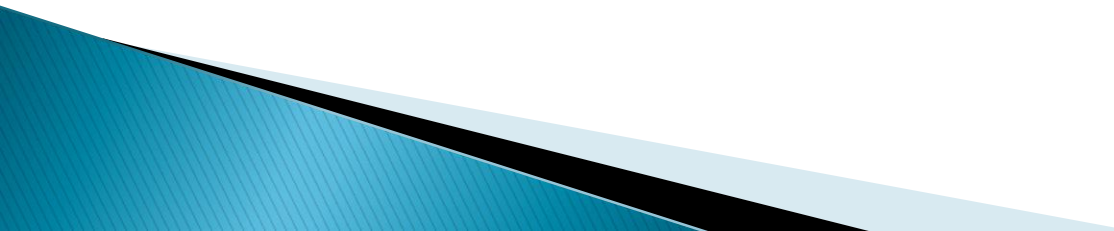
- ▶ More specific content on service learning concepts
 - ▶ Reschedule order of speakers
 - ▶ New more narrowed focus HIA
 - ▶ Grading rubric changes
 - ▶ More emphasis on methods to predict the impact of the changes
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Second course–P644

- ▶ Started January 2012
- ▶ Six students
 - MPH– 5
 - MHA– 1
- ▶ Focus on HIA
 - Impact of proposed Safe Routes to School on two elementary schools in one Township in the county
 - Impact of Comprehensive Plan for Indianapolis Parks and Recreation Department



Changes in the second course

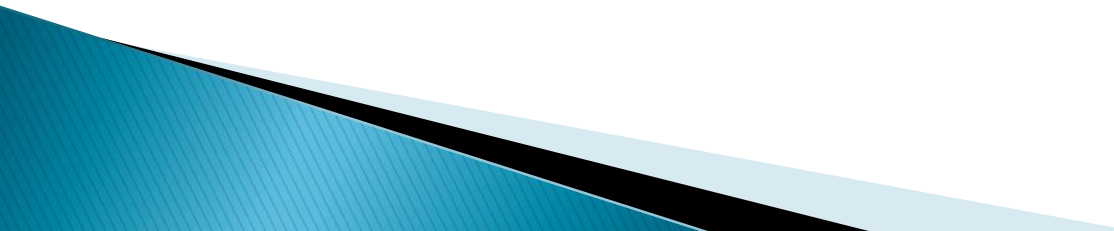
- ▶ Service Learning content and focus specifically added with pre and post assessment
 - ▶ Mobile Tablet used in Classrooms pilot project– pre and post assessment
 - ▶ Reorder of guest speakers
 - ▶ New Guest speakers
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New speakers

- ▶ **Community Partners:**
 - Binford Re-development and Growth Inc.
- ▶ **Safe Routes to School:**
 - SRS State Coordinator
 - City Engineer with DPW
- ▶ **Parks:**
 - State DNR Comprehensive Plan Coordinator



Service Learning Activities

- ▶ Service Learning Graduate Assistant Grant
 - ▶ Orientation for SLA position for student and faculty
 - ▶ Development of pre and post service learning assessment tools
 - ▶ Inclusion of content on service learning
 - ▶ Reflection activity
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Service Learning Pre-assessment

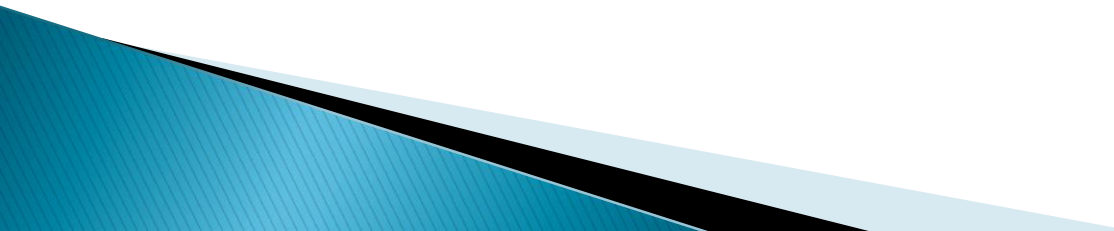
Principle of Graduate Learning	No confidence	Little	Medium	Above average	Great deal of confidence	NA
Language skills	0	1	2	7	8	
Quantitative skills	0	2	7	0	2	
Information resource skills	3	1	7	2	4	
Integration and application of knowledge	0	1	8	14	1	
Society and Culture	0	0	6	5	7	

Mobile Tablet project

- ▶ Pre and Post assessment of mobile tablet use
- ▶ Orientation and activity with mobile tablets
- ▶ Comparison of mobile tablet and laptop for SAVI training
- ▶ Activity with reflection



Student Experience

- ▶ Why did I take the course?
 - New course with hands on experience
 - ▶ My expectations of the course
 - New course but still went very smoothly
 - Nice to hear from people with HIA experience
 - Good experience working with community partners
 - ▶ Use of learned information
 - Helpful in following courses and internships
 - Valuable skill to put on resume
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Questions

