3RD ANNUAL HEALTH EQUITY SUMMIT

Dr. Jerome Adams, Executive Director, Health Equity Initiatives



Opening Remarks



PROVOST PATRICK WOLFE

Opening Remarks





DR. KAREN PLAUT, EXECUTIVE VICE PRESIDENT FOR RESEARCH

Opening Remarks





DR. JEROME ADAMS, EXECUTIVE DIRECTOR OF HEALTH EQUITY INITIATIVES

HEI Vision and Progress



HEALTH EQUITY AT PURDUE

VISION, PROGRESS AND FUTURE DIRECTIONS

Jerome Adams MD, MPH, FASA

Distinguished Professor and Executive Director of Health Equity Initiatives



40,000

UNDERGRADUATE STUDENTS

12,000

GRADUATE STUDENTS

10,000 +

FACULTY AND STAFF

12

COLLEGES



Health Equity Initiatives



Purdue University has earned the distinction of being an R1 university. Purdue is 1 of 71 NCI designated cancer centers, & 1 of only 7 in the country that focuses 100% of its efforts on laboratory research.

THE LAND GRANT MISSION

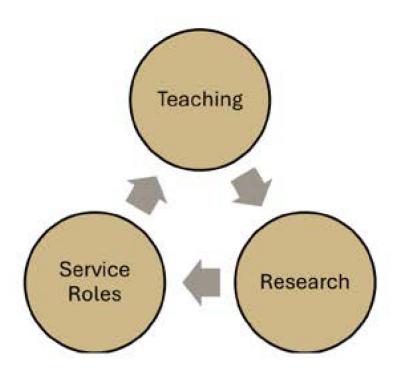
PURDUE UNIVERSITY

Health Equity Initiatives

Land-Grant universities are built on teaching, service roles and research. "Land-grant universities distinguish themselves from other institutions by directing their collective brainpower and resources toward research that addresses society's economic, political or social problems."

"We were going to actually take all of that knowledge and deliberately extend the opportunity to use it, to learn it, to the whole state of Indiana. More broadly, to the people of the country."

 Martin Jischke, former Purdue University President



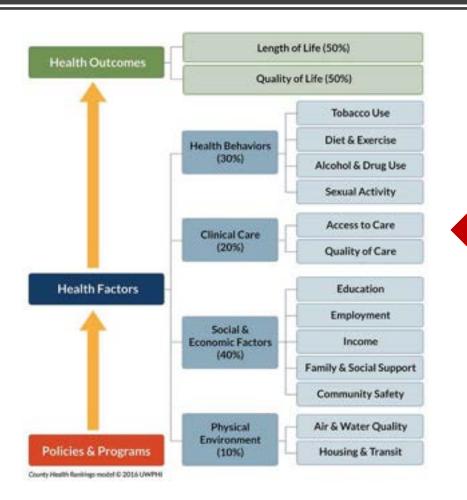
What is health?

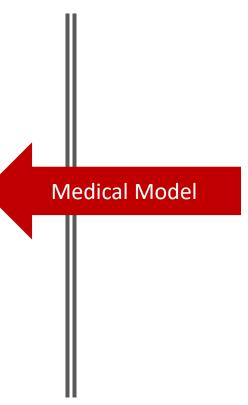
Health is more than genetics & medical care. Social drivers of health are the conditions and the places where people live, learn, work, play & worship that can affect a wide range of health & quality of life risks & outcomes.





Healthcare is not Health...







What are health disparities?

We focus on health disparities as preventable differences in the burden of disease, injury, violence, or opportunities to achieve optimal health that are experiences by populations that have been disadvantaged by their social or economic status, geographic location, and environment.





What is health equity?

Health equity is when everyone, regardless of race, sex, sexual orientation, disability, SES, geographic location, or other societal constructs have fair & just access, opportunity, & resources to achieve their highest potential for health.

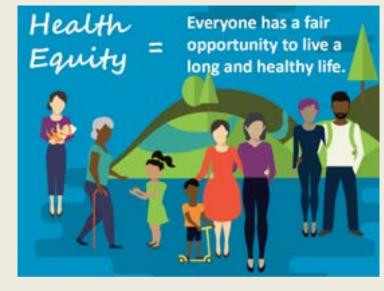




What is health equity?

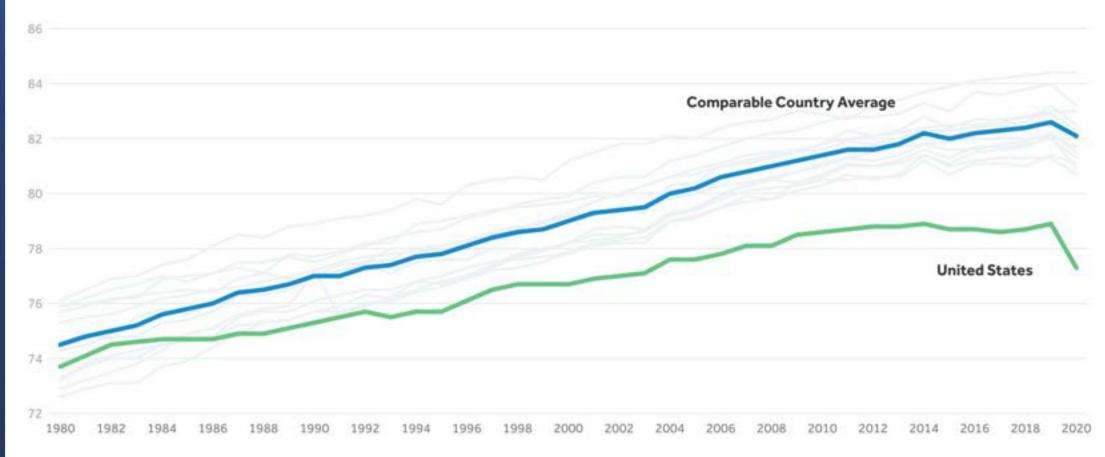
Health equity is when everyone has a fair opportunity to make healthy choices and can be their healthiest and happiest version of themselves







Life expectancy at birth in years, 1980-2020



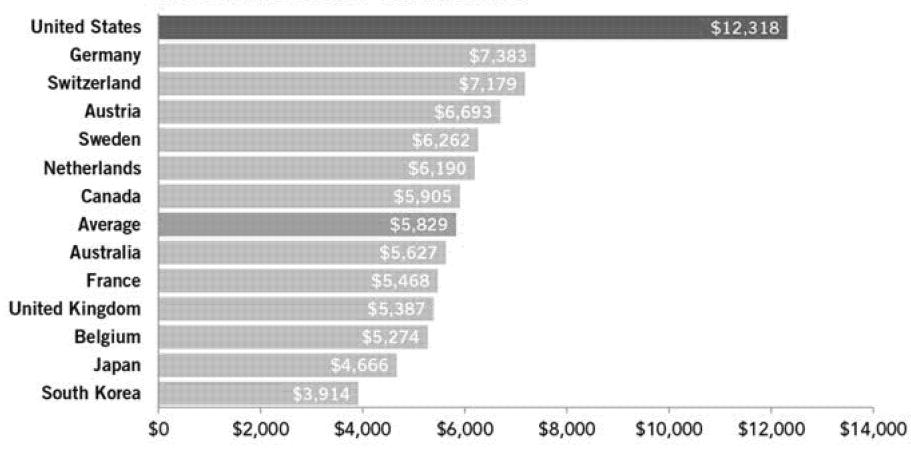
Notes: Data prior to 2020 are from OECD. 2020 data are from CanStat, the CDC, OECD, and Public Health England. 2019 life expectancy values are used for Australia and Japan in 2020. Life expectancy for the United Kingdom in 2020 was calculated by taking the weighted mean of provisional life expectancy values for males and females in England. Break in series for Canada in 1982, Germany in 1991, Switzerland and Belgium in 2011, and France in 2013.

Source: KFF Analysis of CDC, OECD, StatCan, Office for National Stastics, and Public Health England data



U.S. per capita healthcare spending is over twice the average of other wealthy countries

HEALTHCARE COSTS PER CAPITA (DOLLARS)



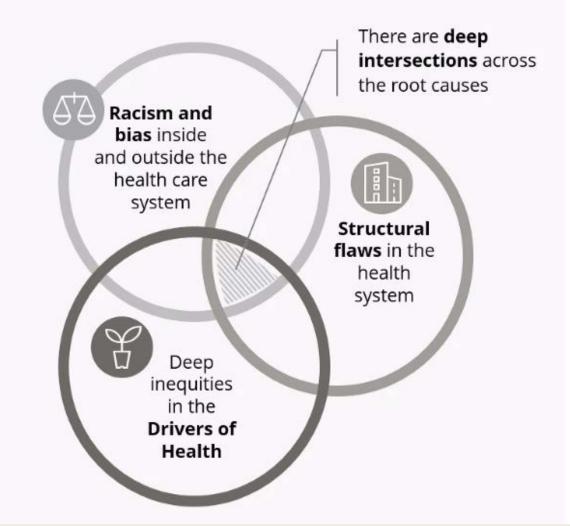
SOURCE: Organisation for Economic Co-operation and Development, OECD Health Statistics 2022, July 2022.

NOTES: Data are latest available, which was 2019, 2020, or 2021. Average does not include the United States. The five countries with the largest economies and those with both an above median GDP and GDP per capita, relative to all OECD countries, were included. Chart uses purchasing power parities to convert data into U.S. dollars.

Health inequities, driven by root causes, are estimated to cost the United States \$320 billion a year!1



In order to achieve health equity at scale, we must impact the root causes of inequities



HEI TEAM



Executive Director - Dr. Jerome Adams

Senior Director - Holly Wood

Project Manager - Aubrey Anderson

Executive Assistant - Brandi Plantenga

Health Equity Intern - Marla Winters

OUR FACULTY CHAMPIONS

Food for Health - Dr. Haley Oliver



Infectious Diseases - Dr. Steve Steinhubl & Dr. Randy Hubach



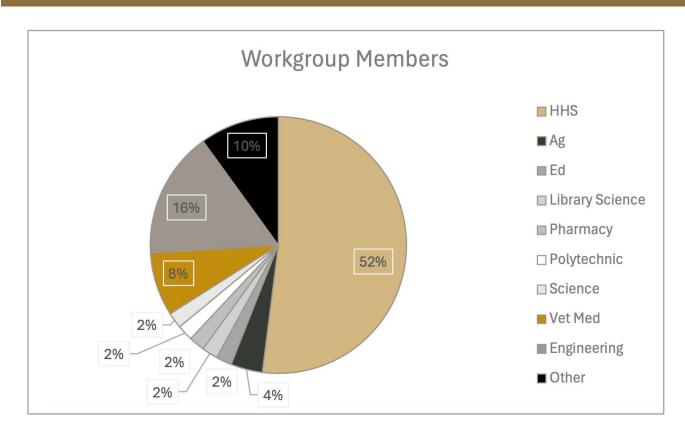


Mental Health & Substance Use Disorders - Dr. Nicole Adams





OUR HEI WORKGROUP

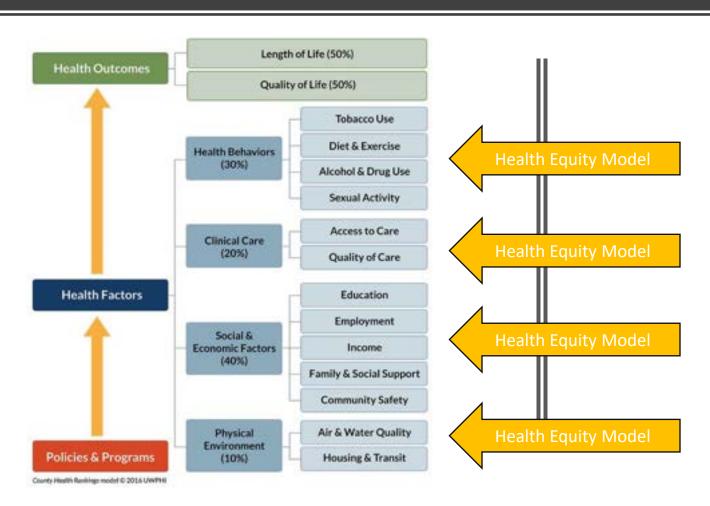






Health equity IS health (and wellbeing)!





- College of Agriculture
- College of Education
- College of Engineering
- Exploratory Studies
- College of Health and Human Sciences
- College of Liberal Arts
- Krannert School of Management
- College of Pharmacy
- Purdue Polytechnic Institute
- College of Science
- College of Veterinary Medicine

HEI IN 2023

- National visibility by facilitating visits to campus with Dr. Judy Monroe, Dr. Rahul Gupta, & now Dr. Francis S. Collins, connecting faculty with National and global partners and meetings
- Involvement with student organizations, like Project Icarus, classroom lectures, letters of support/recommendation for students & faculty working on grant applications
- Collaboration with the Brian Lamb School of Communication & Dr. Evan Perrault, the Regenstrief Center for Healthcare Engineering, & the Department of Public Health to be able to serve as a preceptor location for an undergraduate internship
- Ireland partnership, NBA Partnership, Work with Local health departments and hospitals
- PBS Invisible Corps Screening in partnership with the College of Pharmacy, the College of Veterinary Medicine, the College of Health & Human Sciences, & the Honors College
- Worked with Eli Lilly to promote diversity in clinical research and STEM in Indianapolis, Lake Co.
- Started running social media platforms; 380+ followers on LinkedIn



WHAT'S NEXT?

- Continue to engage with students/student groups & provide opportunities for volunteering, mentorship, & structured learning opportunities
- Expand support for new hires, including the equity cluster hires
- Support data collection and research to make the case for health improvement in Indiana and beyond
- Support Indiana Health First implementation
- New partnership with North Central Health Services (NCHS)
 - Community benefit grant: NCHS will provide \$1 million annually over the next four years for capacity building, data & evaluation support, & technical assistance efforts within NCHS's 8-county region. This service region includes Tippecanoe, Benton, Warren, Carroll, Cass, Clinton, Fountain, White, and Montgomery counties.



HEALTH CARE

A red state boosted public health funding by 1,500 percent. This is how they did it.

How careful messaging, a healthy budget and smart leadership boosted local public health funding in Indiana by 1,500 percent.

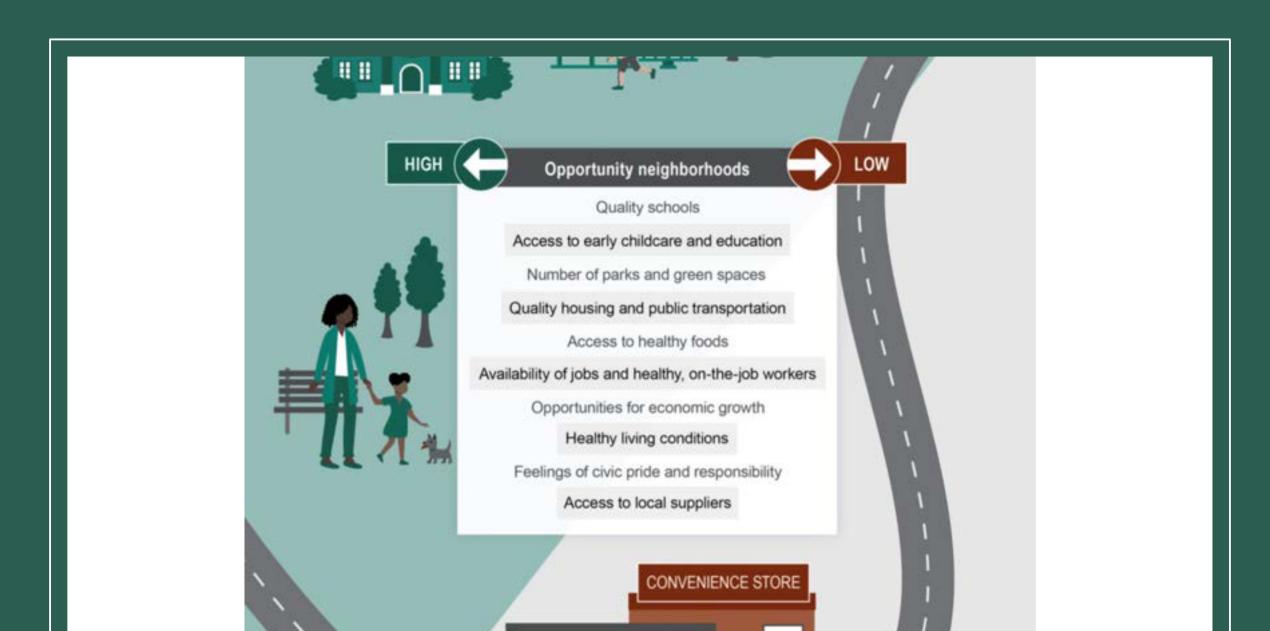




Indiana Gov. Eric Holcomb spent more time talking specifically about public health in his State of the State address this year than any other governor, I Darron Cummings/AP Photo

Economic Case for Public Health

- Good health is the foundation of our ability to thrive, from schools to the economy.
- Public health services are best delivered locally by those who know their communities best
- Investing in prevention creates healthier communities
- Easier to recruit workers
- Makes communities more attractive for businesses to locate when they have a healthy workforce
- Reduces healthcare costs for businesses, increases worker productivity
- Makes Indiana a healthier state, physically and fiscally



100 1 10

So what is digital health equity?

Digital health equity is everyone has fair access to, and trust in, and benefit from new digital health technologies, so all communities can become and stay healthy!

Beware of equity and ethics concerns

- Digital Divide
 - By geography. education, age, economics, home environment (ie privacy), trust deficits (who has my data and what will they be doing with it?)
- Bias
- All algorithms are subject to the garbage in = garbage out problem
- Bias that's baked in can never be fully corrected for, and often gets amplified
- How is the information being used?
 - Are you subjecting people to discrimination (eg jobs, insurance, sports)?
 - Who is profiting? (eg Henrietta Lacks)
 - Is information being given BACK to the patient
 - Just because you can collect and analyze doesn't mean you always should (eg cloning, picking characteristics of your child, knowing when you will die)



Representation and Communication are KEY!

- Need diverse representation at the table from the start, to see past your blind spots
- Need early and frequent outreach to communities- especially marginalized communities- to make sure new technologies are developed in way that meets the communities needs, and not just industry's needs
- Must acknowledge the trust gap, and be proactive vs reactive to it

HOW TO GET INVOLVED

- Follow us on LinkedIn & Twitter in
 - Scan QR codes at your table to take you directly to our pages
- Attend our monthly faculty meetings
- Reach out we are here to support YOU!!!



HOLLY WOOD, SENIOR DIRECTOR OF HEALTH EQUITY INITIATIVES

HEI Vision and Progress















Thank you to all of our partners!











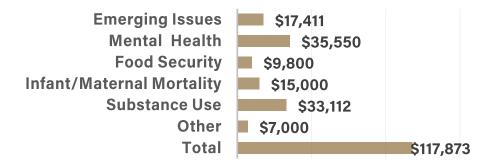


Seed Funding to Advance Health Equity

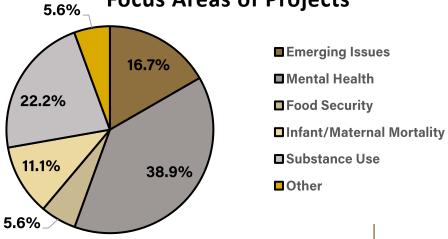
18 Projects, 11 Counties*



Dollars Allocated by Focus Areas of Projects



Focus Areas of Projects



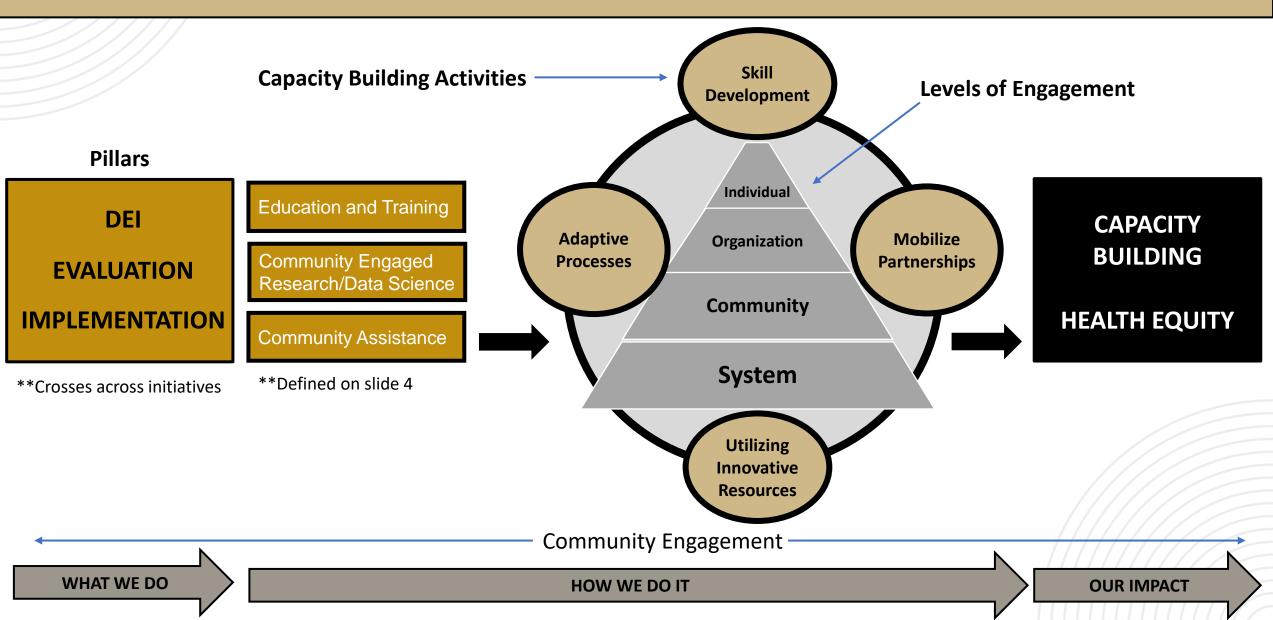


Regenstrief Center for Healthcare Engineering



Capacity Building

Transforming and strengthening individuals, communities, organizations and systems by providing skill development, mobilizing strategic partnerships, utilizing innovative resources, and adapting processes to maximize health impact.



Community Transformation Team Impact Table		
Education and Training	Community Engaged Research & Data Science	Community Assistance
 Health Equity Trainings - HEA's provided free/low-cost training on Cultural Humility, Adverse Childhood Experiences (ACEs), Diversity, Equity, and Inclusion (DEI), and Health Equity at Franciscan Health, Wayne County Health Department Logansport Memorial Hospital, Indiana Department of Education, Norton Healthcare, Indiana Parks and Recreation Association (IPRA) Results: 89% of those trained indicated they learned something new 89% of participants rated the topic of Bias as a 5/5 for great content 78% indicated that they would likely apply concepts within the next 3 months Franciscan Health & Wayne County Health Dept. have requested additional sessions-including strategy/implementation sessions; Logansport has requested ER and OB departments be trained 	 Mom's Movement of Merrillville – Worked in partnership with Brian Lamb School of Communication to reduce maternal and infant deaths through change in public attitude, creation of access to resources, and strategy implementation. CANI and partners distribute resource information and support; piloting trained CHWs to liaison between moms and services. Results: 60% of participants found the resource guide to be extremely helpful (n=15) 64% of participants found the prenatal care resource to be extremely helpful (n=14) 	Lake County Learns – To increase Hammond School District student enrollment into 21st Century Scholars, Purdue assisted in distributing 830 applications with messaging promoting free tuition. Purdue advocated for auto-enrollment to politicians. Results: Applications returned from minority students increased 5x from baseline Qualitative survey demonstrated a perceived decreased burden on school counselors following auto-enrollment Website created to educate Counties on current 21st Century information and promotion
 Clinton County Learning Cohort – Subject Matter Experts provided trainings on grant writing, process improvement, ACEs, cultural humility, health communication, and cultural and linguistically appropriate services to the Clark & Clinton Cohort, including 47 unique participants across 4 counties, serving 18 community organizations Results: Average knowledge increased for each concept after training (Neutral/Agree -> Agree/Strongly Agree) (n=47). Trainees Agreed-Strongly Agreed their network with other service providers strengthened because of the cohort. 	Allen County Suicide Data Analysis – Partnership with Allen County's Stop Suicide Coalition to clean analyze raw data on suicide death data from the coroner; IDOH (Allen County); depression, ideation, and suicide attempt data from the Youth Risk Behavior Survey; and Indiana Youth Survey from IU Prevention Insights. Results: Created pivot tables, graphs, and summaries of both ideation and attempt data that will be presented to the Stop Suicide Coalition in December of 2023. Results will provide direction for coalition initiatives.	 Seed Funding – Seed funding provided to grow roots and increase resources in underresourced communities among 11 counties. Results: 17 requests totaling \$111,104 have been funded in the areas of: Mental Health (41%) Substance Use (18%) Emerging Issues (17%) Infant & Maternal Mortality (12%) Food Insecurity (6%)
Evidence-based Communication Tool - HEAs developed culturally & and linguistically appropriate education using about safe sleep and youth mental health in Haitian-Creole, Spanish, and English at Logansport Memorial Hospital during discharge and doula home visits and youth mental health during Wayne County Future Achievers youth visits. Results:	Innovative Tools – Bridges utilizes AI technology to inform decision making on clinical and social patient care by collecting data on social drivers of health in conjunction with clinical data. Results: Purdue will support data collection, promotion, and	Evaluation – Purdue is assisting IDOH in evaluating the impact of I-HOPE across Indiana and individual I-HOPE activities. Results: Summary of budget, qualitative analysis of

Cumulative Capacity Building Activities & Change Outcomes Over Time

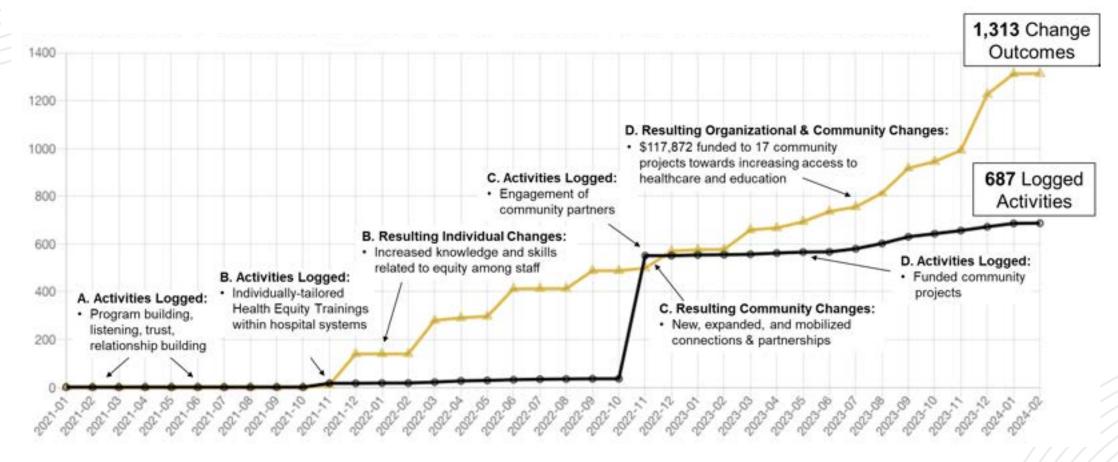
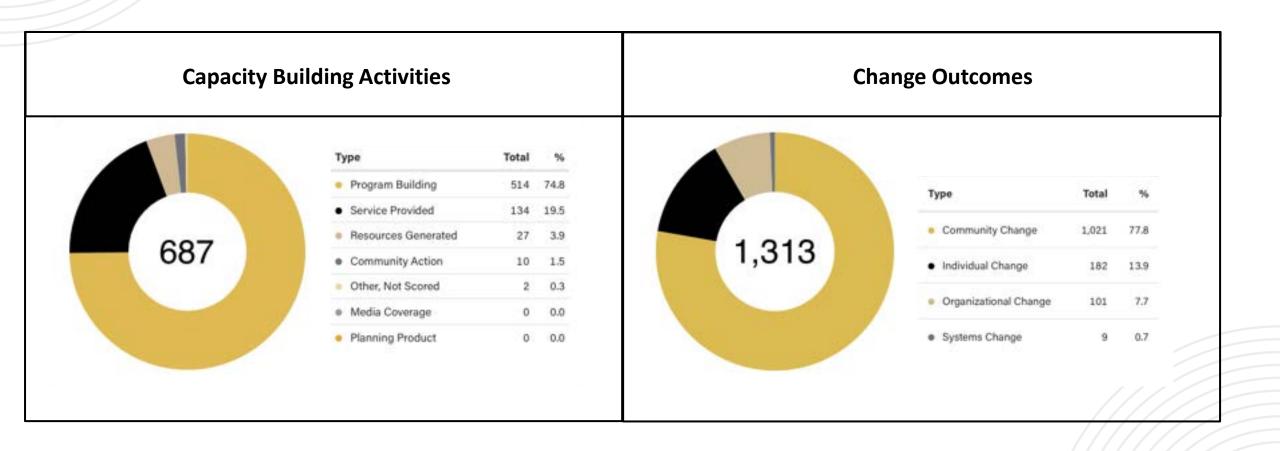


Figure 1. Community Change Graph on Cumulative Activities and Change Outcomes Over Time. Example activities and outcomes are linked with letters A, B, C, and D (no outcomes linked with activity A).

Presentation title 36

Capacity Building Activities & Change Outcomes Categorized by Type



Presentation title 37

DR. FRANCIS S. COLLINS

Fireside Chat: Fostering Health Equity Through Innovative Biomedical Research





10-Minute Break



Panel: Fostering Health Equity Through Innovative Biomedical Research

Dr. Sarah Wiehe, Dr. Natalia Rodriguez, Dr. Sylk Sotto, Mary Wachira











Ongoing Health Equity Research for Positive Transformations

Health Equity Summit February 29, 2024



Panelists



Natalia Rodriguez, PhD, MPH
PURDUE UNIVERSITY
Assistant Professor of Public
Health and Biomedical
Engineering
Founding Director, Health
TechQuity Lab
2023 NIH Director's New
Innovator Award



Sylk Sotto, EdD, MPS, MBA
INDIANA SCHOOL
Vice-chair for Faculty Affairs
and Professional Development
Vice-chair for Diversity, Health
Equity, & Inclusion, Department
of Medicine





Mary Mumbi Wachira, MGA
UNIVERSITY OF NOTRE
DAME
Program Director, Health
Equity Data Lab, Lucy
Family Institute for Data &
Society



The Indiana CTSI mission & leadership

We bring together Indiana's brightest minds to solve the state's most pressing health challenges.

Co-Directors



Sarah Wiehe, MD, MPH Sharon Moe, MD

Deputy Directors



Scott Denne, MD Indianapolis



Bill Hetrick, PhD Bloomington



Melanie DeFord, MS Notre Dame



George Wodicka, PhD Purdue



The Indiana CTSI Purdue University Navigators

We bring together Indiana's brightest minds to solve the state's most pressing health challenges.

Purdue Navigators



Natasha Nikolaidis, MS
Operations Associate Director,
Bindley Bioscience Center



Tommy Sors, PhD
Director, Scientific Strategy
and Relations, Purdue Institute
of Inflammation, Immunology
and Infectious Disease



Clinical and Translational Sciences Award National Goals



Support Innovations that Speed the Development of Medicine



Promote Partnerships & Collaborations



Resource for Rapid Response of Public Health Needs



Nurture the Field of Translational Science



Training & Career Development



Address Health Disparities



The goal of both the Indiana CTSI and the other CTSAs is to provide infrastructure for translational research and national connectivity to promote program impact.



Our Vision













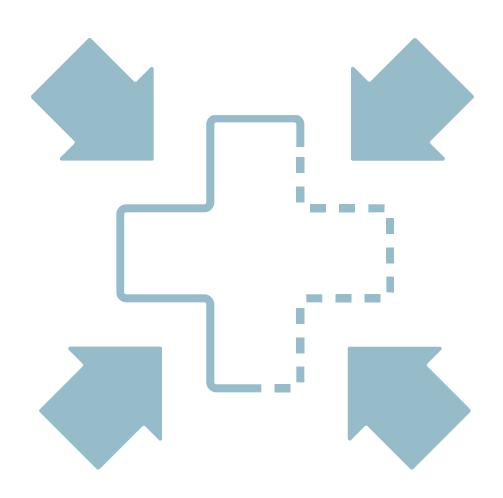


In 2030, at the end of this seven-year renewal funding period, we envision Indiana CTSI will transform our statewide research ecosystem with deliberate attention to diversity and inclusion in our partnerships, workforce development, and research engagement.

We will accelerate innovation and rapidly implement evidence into practice in order to advance health equity.



In order to advance health equity...



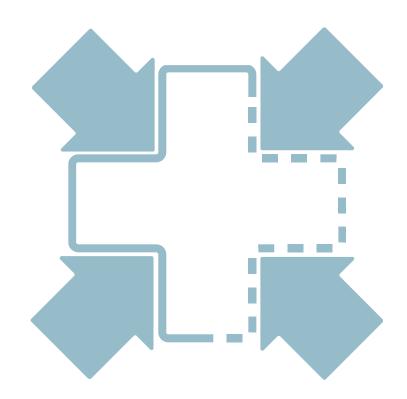
The Indiana CTSI listens, engages with, and

CONVENES

researchers, our partners and stakeholders with lived experience, ...



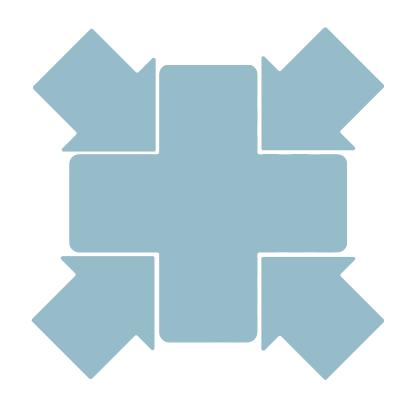
In order to advance health equity...



... **COORDINATES** to address the prioritized needs of the community, ...



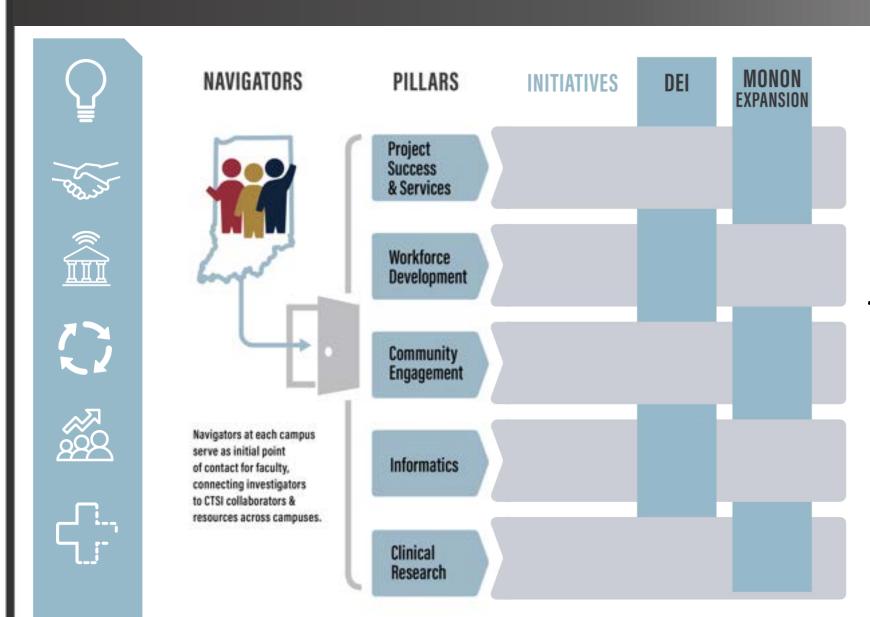
In order to advance health equity...



...and CATALYZES
collaborative activity
through resources, pilot
funding and, most
importantly, our people to
offer bi-directional value
and health impact in
communities we seek to
serve.



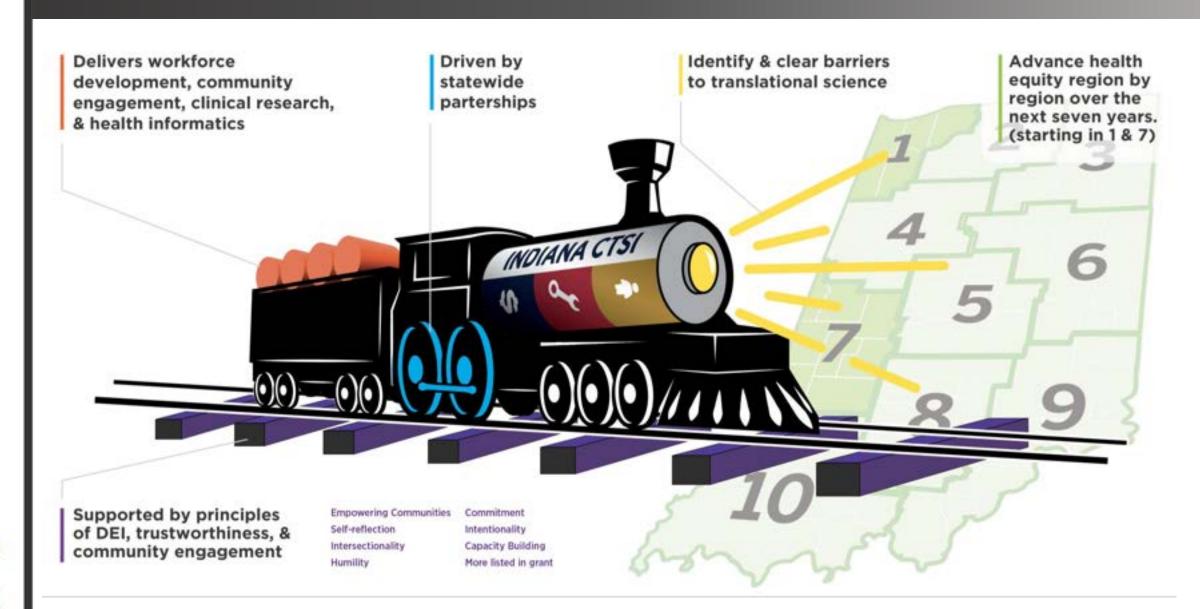
Our Process



Indiana CTSI
resources, pilot
funding and
expertise are here
for you – YOUR
SUCCESS IS OUR
SUCCESS!



The Monon Expansion





Your success is our success!

Please reach out if we can help. ictsi@indianactsi.org





Participatory Innovation: A Road to Health Equity

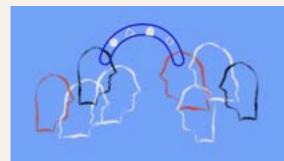
Natalia Rodriguez, PhD, MPH







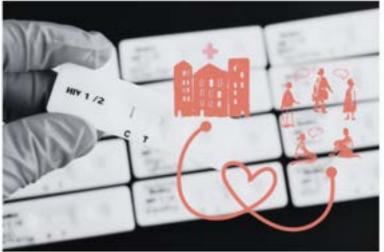
Human-Centered Design of Health Technologies



Community-engaged
Translational Science



Human Papillomavirus (HPV) Rapid Test for Cervical Cancer Screening



Early Detection of HIV



Smartphone-Based Self-Test for HIV Viral Load Monitoring



1. Without meaningful engagement, even the most innovative technologies will fall through the gap...



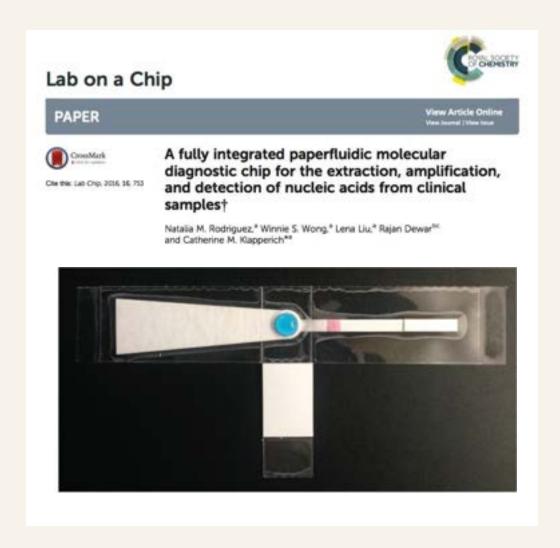


1. Without meaningful engagement, even the most innovative technologies will fall through the gap...

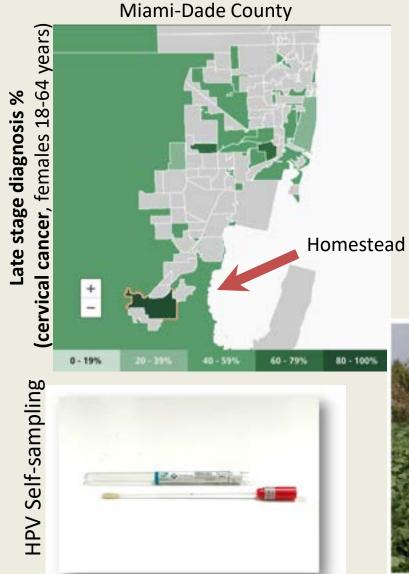
A rapid HPV test for cervical cancer screening:



✓Independent of laboratory infrastructure✓Sample to result in < 1 hour



2. All I know, I learned from the (farmworker) community...





Community Health Workers Farmworker

Community

Migrants work work the green-bean fields in Homestead. C.A. QUERRERO ANALO REF

4

3. Authentic engagement isn't easy... but it is necessary.

Homelessness during COVID-19









4. If you build it, they will come...

Homeless Health and Wellness Committee

In 2020, we established **HAWC**, a multisectoral **community-academic partnership** working to address homelessness and health disparities:

- LTHC Homeless Services
- Tippecanoe County Health Department
- Franciscan Health
- Purdue University:

 Public Health, Nursing, Pharmacy,
 Nutrition & Hospitality

For the past 4 years, HAWC has met weekly to align efforts, co-lead **community-based participatory research,** and help address the diverse health needs of the community.







5. If you build it, funding will come...

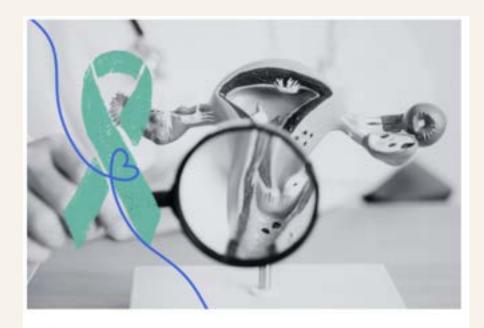


NIH Rapid Acceleration of Diagnostics – Underserved Populations



Pandemic Response and Infectious Disease Preparedness in Homeless Shelters





Addressing Cervical Cancer Disparities Among People Experiencing Homelessness

1-1-9

6. Interdisciplinarity is essential.

Cervical cancer incidence and mortality rates among people experiencing homelessness are up to <u>4x higher</u> than national averages.

To address this disparity:



1. Understand cervical cancer screening practices, experiences, and barriers.



2. Design interventions to increase knowledge and awareness. (CHW outreach, education, navigation)



3. Implement and assess innovations to increase uptake of screening. (HPV self-sampling and rapid testing in shelters)



4. Ensure linkage to follow-up care.

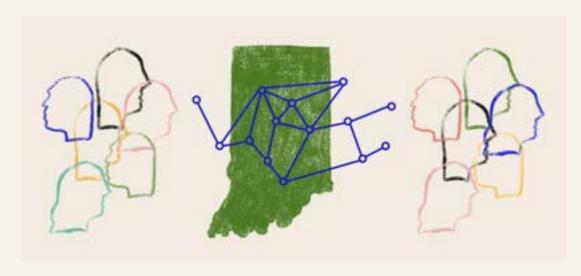
5. Leverage what works as a model for preventive healthcare delivery.

Public Health
Anthropology
Nursing
Pharmacy
Biomedical ENG
Lab Sciences

Clinical Medicine



7. True partnership enables scale-up and broader impact.



Expanding to Indianapolis partners:

- Coalitions (CHIP)
- Homeless shelters
- Social service orgs
- Clinics/FQHCs
- Academic partners



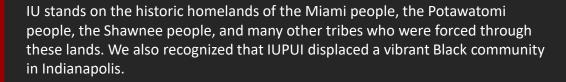




Thank you!

natalia@purdue.edu









Director, All IN for Health Chief Diversity Officer



"Do they REALLY Trust Us?": Lessons from a Volunteer Research Registry

Dr. Sylk Sotto

Vice Chair for Faculty Affairs and Professional Development Vice Chair for Diversity, Health Equity, and Inclusion Associate Professor of Medicine (T) Department of Medicine

@drssotto
Pubs: Sotto Santiago, S



Indiana Clinical and Translational Sciences Institute

All IN for Health Update

Sylk Sotto, Director
Gina Claxton, Engagement Manager
Brenda Hudson, Recruitment Manager
Lynsey Delp, Digital Engagement Specialist
2/29/24









What is All IN for Health?

- An initiative of the Indiana Clinical and Translational Sciences Institute (CTSI).
- Mission is to engage the public in understanding the role and value of research toward improving the health of Indiana residents.
- Indiana is home to thousands of health research projects through Indiana University, Purdue University and the University of Notre Dame. However, only a small fraction of Indiana residents report being involved or knowing someone who has been involved in a research study.





What is All IN for Health?



Voice

Opportunity for public voices to share their research priorities



Hear about

Hear about health research studies by 5 institutions



Receive

Receive health research information and findings



Connect

Connect to health research resources









All IN for Health for RESEARCHERS?



Promote research opportunities

Social media ads

Newsletters

Website blog/resources

Study listings

Research volunteer network



Gain public perspective on the research plan

Advisory Board review In-person events

Digital platforms



Community engagement consultation and referrals

Expertise of larger community and university-based Indiana CTSI network

All IN for Health

- Online engagement platform for Hoosiers to promote health and research literacy.
 - Volunteer registry of ~15,000 individuals representing all 92 counties, allowing for tailored recruitment by specific characteristics
 - >30,000 people who are part of an online community
 - Utilizes website, blog, e-newsletter, and multiple social media channels
 - Paid social media promotion available
 - Public-facing study page: research team-owned web page with detailed study info, allowing participants (with or without a volunteer profile) to self-select research opportunities





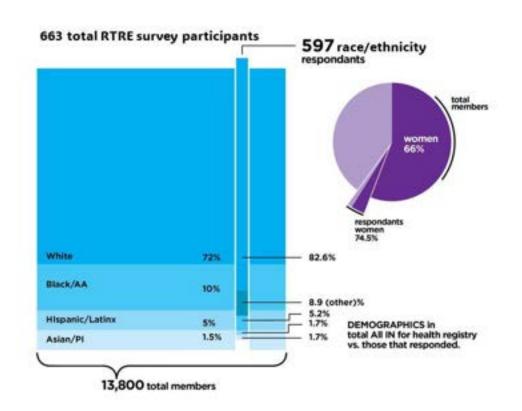






This Photo by Unknown Author is licensed under CC BY-NC-ND

All IN for Health Relationship of Trust and Research Engagement Survey



- 50% disagree that patients get the same medical treatment regardless of race and/or ethnicity.
- 67% percent think it is safe to participate in medical research, yet
 79% had never been asked to participate in medical research by their doctor.
- 30% think that medical researchers act differently toward minority participants.
- 10% believe that medical researchers select minorities for their most dangerous studies and some medical research projects are secretly designed to expose minoritized groups to diseases.



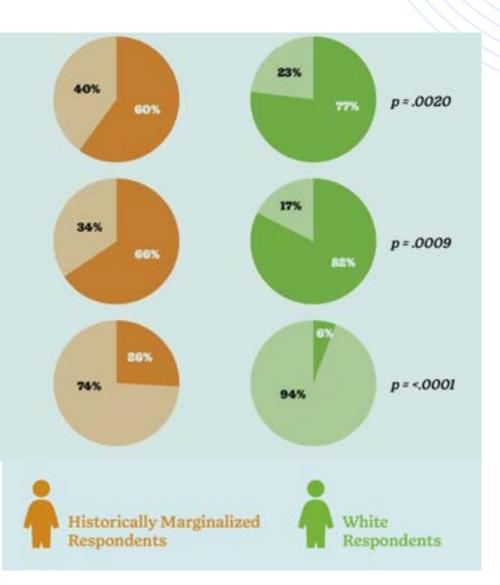
[&]quot;Do they REALLY Trust Us?": Lessons from a Volunteer Research Registry"

Historically marginalized groups in biomedical research

It's safe to be in a medical research study

Most medical researchers would not lie to people to try to convince them to participant in a research study

Some medical research projects are secretly designed to expose minority groups to diseases

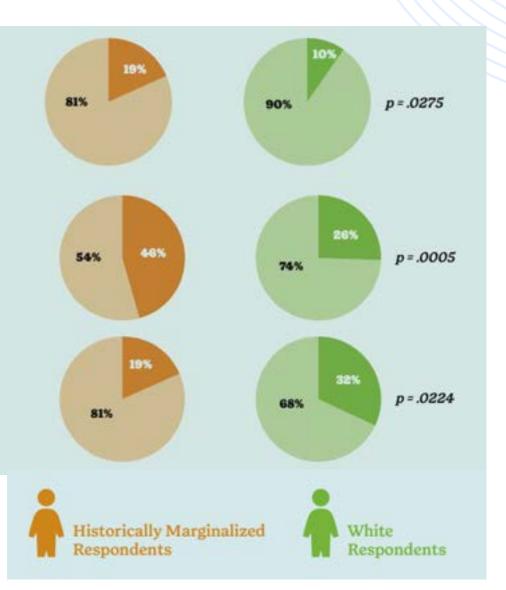


Historically marginalized groups in biomedical research

To get people to take part in a study, medical researchers usually do not explain all of the dangers about participation

Medical researchers act differently toward minority participants than toward white participants

Patients get the same medical treatment from healthcare organizations, no matter what the patient's race or ethnicity



Lessons

- Historically marginalized participants are willing to participate, we are just not asking through additional networks
- We need to speak against misinformation and disinformation
- We need to be more transparent as to why we are recruiting participants from historically marginalized groups and be explicit in recruitment materials
- We need researchers and health systems to partner in recruitment at community events, and in marketing materials.
- Endorse and support health equity, trust, and trustworthiness professional and skill development for researchers and research staff.
- Work with researchers on dissemination of results to the public.



All IN for Health

Dr. Sylk Sotto

Director, All IN for Health Chief Diversity Officer Indiana CTSI

Associate Professor of Medicine
Vice-chair for Diversity, Health Equity, and Inclusion
Vice-chair for Faculty Affairs and Professional
Development

Department of Medicine Faculty Investigator, IU Center for Bioethics Indiana University School of Medicine

Affiliate Faculty,
Health Equity Advancing through Learning health systems-Research
(HEAL-R) IU Health



Ssotto@iu.edu
Pubmed/Google Scholar: Sotto-Santiago, S.
LinkedIn: Sylk Sotto



Health Equity Research for Positive Transformations

Health Equity Data Lab Presentation at the 3rd Annual Health Equity Summit



Health Equity Data Lab

Vision

Mission

Become the pre-eminent convening center of discussions, problem scoping, and solutions on health equity data and responsible AI for health & wellbeing.

Advance interdisciplinary research and translation at the intersection of health equity and data science / AI, identified through a collaborative process.





HEDL Health Research Model

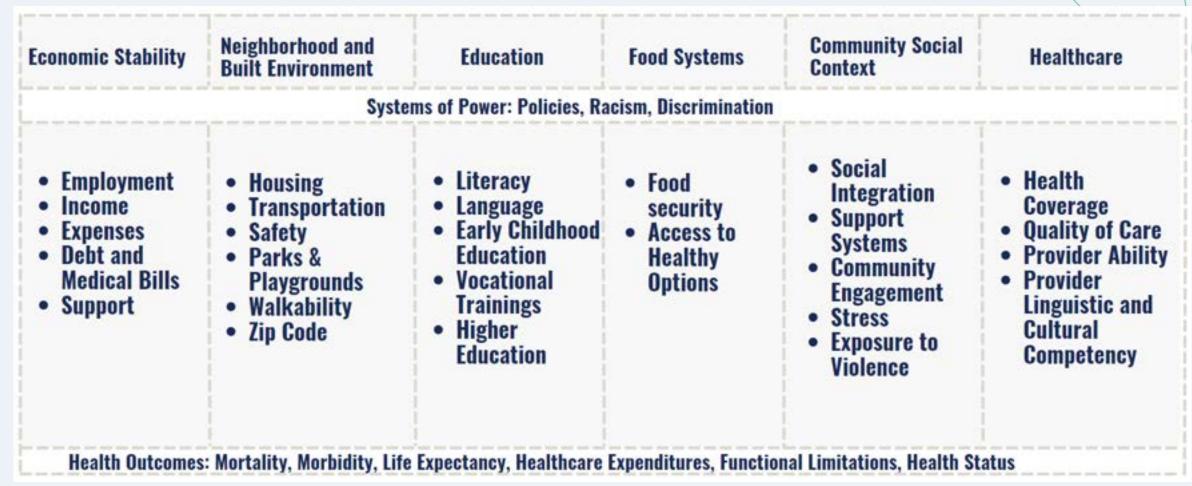








Health Research Lens: SDOH



Source: Kaiser Health Foundation





HEDL Pillars



Precision Social Determinants of Health (SDOH)



Health Equity Data Index



Beyond Human Resources (HR) - the Health and Well-Being of Communities



The Health Workforce of the Future/Responsible Al





HEDL Pillars Focus

Precision SDOH

- Black Maternal Health
- Food as Medicine

Workforce of the Future

- Analysis of Gaps in the Current Workforce
- Improve Community Health Literacy
- Future of Healthcare Worker
- Responsible Al

Health Equity Index

- Definition of Health Equity
- Metrics That Derive the Index
- Pilot the Health Equity Index

Beyond HR

 Community Interventions for Employers





Ongoing HEDL Working Groups



Maternal Health Initiative



Food as Medicine



Workforce of the Future /Responsible Al





Health Research Incubation



Indigenous Cancer Disparities: Multi-Modal Data Integration



Emergency Room Usage and Hospitalization Study





Bridging the Data Gap Between Parental Adversity and Infant Health Outcomes





Health Research Incubation



Housing - Health Equity Nexus: Better Housing as Health Risk Mediator (HOUSE4HEALTH)



Responsible use of Artificial Intelligence (AI) and Empowering the Workforce of the Future I



Responsible use of AI and Empowering the Workforce of the Future II





Health Research Incubation



From Data to Action: Reducing mortality from illicit drugs in South Bend, Indiana



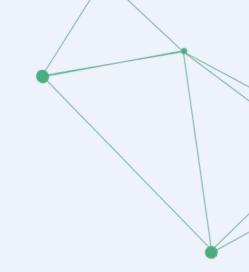
How can Artificial Intelligence inform air quality and incentives for environmental justice



Rapid Personalized Image-Based Cardiovascular Flow Modelling using Bayesian Deep Learning







Questions?

Thank You.





Lunch/Poster Session







SCAN TO ACCESS POSTERS



JENNY HANSEN

Purdue for Life Foundation, Office of Foundation Relations



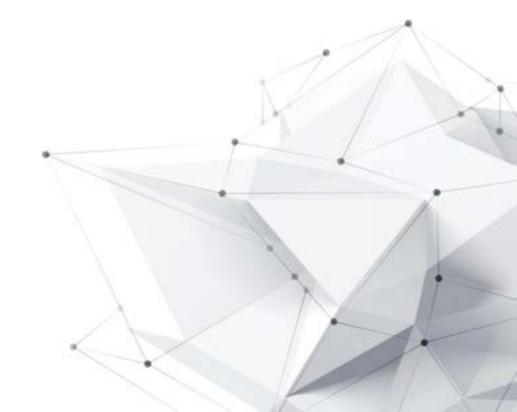


Office of Foundation Relations

Purdue for Life Foundation

Jenny Hansen Director of Foundation Relations





Foundation Relations

The Office of Foundation Relations has extensive experience working with foundations with a wide range of interests.

The OFR team specializes in:

- Connecting foundations with the relevant faculty, staff, and programs.
- Assisting with development of proposals, gift agreements, and any other relevant documents.
- Overseeing reporting on gifts and grants.
- Organizing conference calls and campus visits for foundations with members of our campus community.
- Providing and reviewing valuable research information, networking opportunities, and data about our foundation partners, Purdue and our community.



Office of Foundation Relations



Drew Weintraut – Associate Vice President



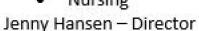
Laura Henzl - Senior Director

- Engineering
- Agriculture
- Vet Med
- Cancer Center



Jim Priest - Director

- HHS
- Science
- Pharmacy
- Nursing



- DIB Initiatives
- Purdue Polytechnic
- Krach Institute for Tech Diplomacy

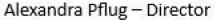




Office of Foundation Relations







- Liberal Arts
- Education
- Libraries
- Honors
- Daniels School of Business

Stephanie Merrill - Director

Discovery Park District



Kristen Noel - Director of Operations

- Lily Endowment Expert
- Proposal Development Specialist
- · Project Management
- Stewardship
- RFP Management
- Communications/Proposal training

Ashlee Wright – Operations Coordinator



Working with the Office of Foundation Relations

We are here to help

- Choose your own adventure book of support
 - Support in aligning your work with the foundations' needs
 - Application support (writing, editing, reviewing, submitting)
- Managing relationships and contacts
- Insight into prior history between Purdue and the Foundation
- Streamlined communications sometimes it is preferred, sometimes not
- Expand your bandwidth
- We do not replace SPS, they are still necessary





Jenny Hansen

Director of Foundation Relations Office of Foundation Relations JMHansen@purdueforlife.org



tions



Panel: Rural Health Equity - Celebrating Hepatitis C Successes & Exploring Opportunities with Indiana Leaders

Dr. Daniel Rusyniak & Deb Nichols







Indiana Hepatitis C Resources



Subscribe to the IDOH Viral Hepatitis Newsletter





For more information, or to register, visit: fsph.iupui.edu/echo

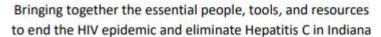




Scan here to learn more & register.











Panel: Revolutionizing Health Equity Through Community-Engaged Research

Dr. Leslie Amonoo, Kier Crites Muller, Victor Garcia, Lynn Herr, Stephanie Long













Millennial Beacon Chicago

The Mission: Foster a South Side ecosystem - a life science engine that eliminates tragic health disparities while revitalizing community through prosperity and opportunity

Investing in early Stage companies to accelerate and Incubate solutions that will directly impact communities

Use Inspired R&D

Equity & Inclusion

Translation & Workforce Development

Workforce Development

Expand the talent pipeline to include more skill subsets and specialties within life sciences



Health Disparities in Chicago

Achieving health equity requires targeted and dedicated resources toward developing solutions

		Near North Side	Washington Park
DEATH RATE PER 100,000 POPULATION	Heart Disease	131.6	296.5
	Cancer	143.6	290.2
	Diabetes	8.2	53
	Stroke	28.5	53.4
	COVID-19	23.3	129.2
YEARS	Life Expectancy	81.1	69



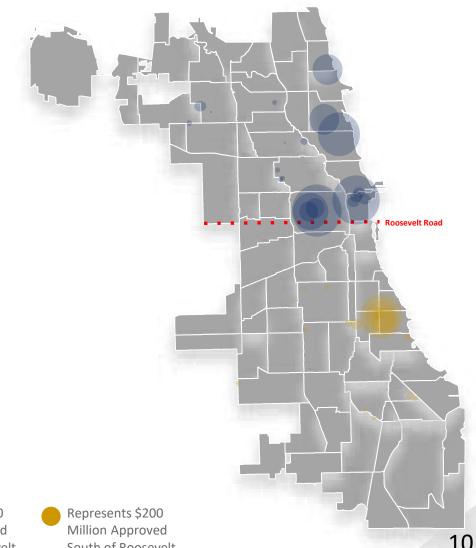
Healthcare Investment Disparities

Chicago's South Side has endured significant disparities in healthcare investment when compared to the North Side

Total Certificate of Need (CON) Approved Permits for New Construction

CON Applications Filed for Chicago, 2012-2018

Area of Chicago	Permit Amount	Percent of Total
North of Roosevelt	\$1.87 billion	76%
South of Roosevelt	0.60 Billion	24%
Total	2.47 Billion	100%

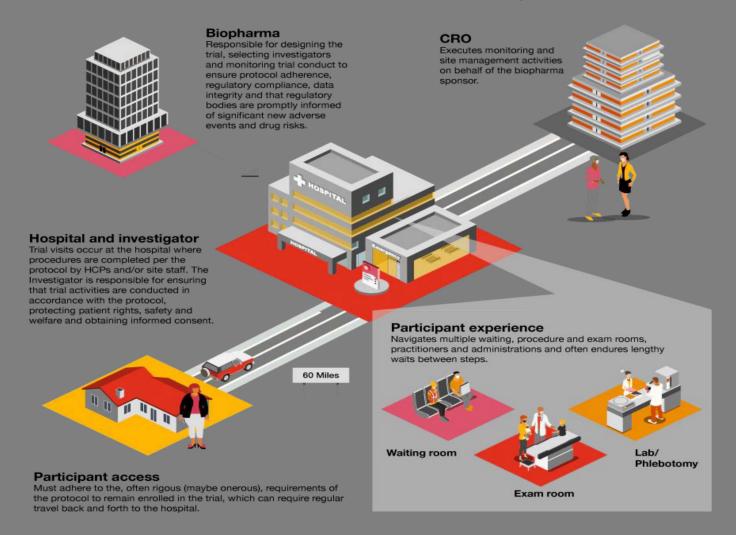






How we do Clinical Trials

Current State: All activities are centered around the hospital





Health Disparities in Chicago

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Future of Clinical Discovery

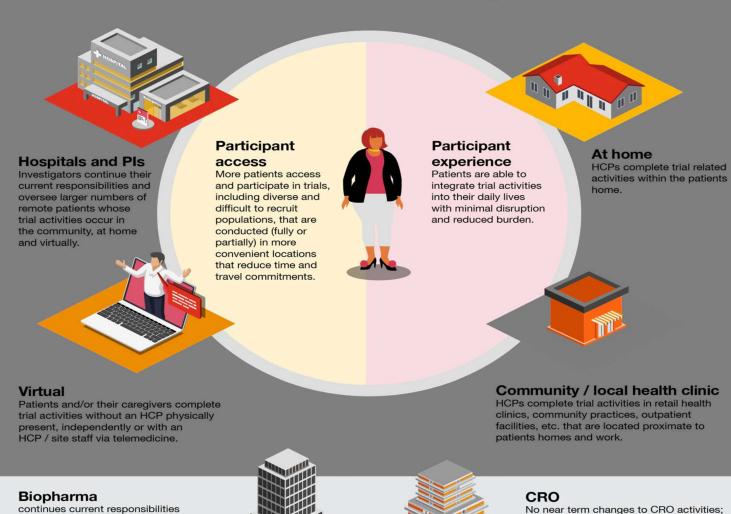
Future State: All activities are centered around the patient

and leverages new trial delivery

channels to tailor trial designs

based on patient needs and

preferences.





10

anticipated shift to DCT adapted

monitoring strategy in the future.

True Innovation Includes Everyone

If any community is suited to benefit from the strong economic engine that is the life sciences it has to built with every citizen in mind.



Sterling Bay Lincoln Yards



Fulton Market Labs



University of Illinois Innovative Research center



University of Chicago Hyde Park Labs



ARC Innovation Center





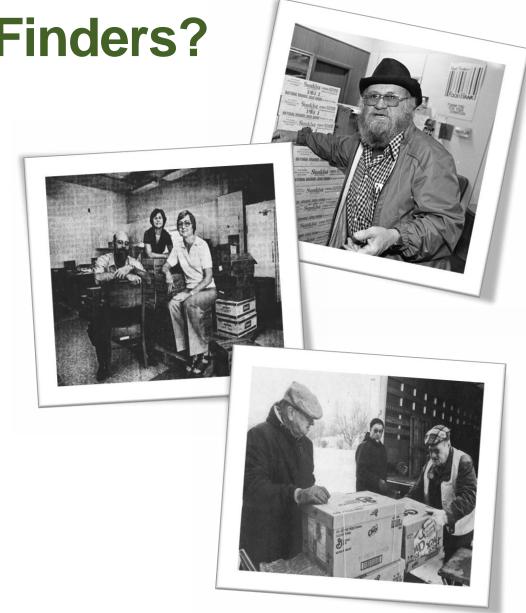
Purdue & FFFB Academic Community Partnerships





What is Food Finders?

- Our mission is to provide food and connections to lifestabilizing resources when our neighbors need us most.
- Through 8 programs and 100 partner agencies, we distribute more than 12M pounds of food annually to the more than 65,000 individuals facing hunger who live in the 16 counties served by FFFB.





Why is this needed?

Strengthening pathways out of hunger.

- Hunger is a complex issue.
- When people face hunger, they often struggle to meet other basic needs as well — such as housing, employment, and healthcare.

Some root causes include:

- poverty
- unemployment and low-income
- lack of affordable housing
- lack of access to healthcare
- systemic racism and racial discrimination







Fighting Hunger, Giving Hope

Direct Service Building Independence Agency Partners BackPack Education Senior Grocery SNAP Outreach Mobile Pantry Resource Fresh Market Coordination **Food Finders** Food Bank, Inc.

What is the need? (Post COVID)

USDA report released Oct. 2023

- The number of individuals living in food insecure households in the US in 2022 <u>increased</u> to 44 million, including 13 million children.
- This is an increase of 31% since 2021 (34 M) and 44% since 2020 (48M).
- This is the highest rate and number since 2014 (8 M) and the most significant one-year increase since 2008.





Purdue Collaborations (2023-2024!)

Agency Partners

- ACE Campus Food Pantry
- Purdue United Way
- o FFFB Club

Events & Food Drives

- College of Ag + Blue Jean Ball Food Safety
- College of Ag food drive
- PRF Casino Night/food drive Education & Classes
- PMO fundraiser
- HTM Black Tie Dinner Dietetics
- Purdue Athletics & Elf Drive
- Civil Eng. Student Advisory Council

Service Learning

- o EEE 472
- Industrial Engineering Capstone
- **FFFB Board of Directors**

Student Projects

- ENG 420
- HONR 499
- Anthropology
- EDCI 350

 - HTM 462

- Purdue Extension
- Health & Human Services Public Health & Health Equity internship
- Internships

Expertise

- Center for Food Demand Analysis & Sustainability
- Center for Rural Research, Education & Outreach





Did we mention volunteers?!

Throughout FY23,
469 Purdue volunteers
covered 1,170 volunteer
shifts and donated
2,476 hours of service!



Food Finders

Food Bank, Inc.



Purdue & FFFB collaborations:

- Expand FFFB services through the communities we serve
- Share student and faculty knowledge and expertise with people served by FFFB
- Provide FFFB with gaps in knowledge, skills and expertise we may not have access to otherwise (data, analytics, etc.)
- Raise food, funds and awareness
- Data shows that FFFB services are helping the most in need:
 - Higher poverty neighborhoods
 - · Areas closest to the FFFB
 - · Those with less education.
 - · Those with less income.
- Further, when these groups use services to a higher degree than others, they are more likely to use services for less time.
- · Certain programs indeed assist users with these steps.

PURDUE School of Engineering Education





FIGHTING HUNGER, GIVING HOPE

Kier Crites Muller President/CEO kcrites@food-finders.org

Food Finders Food Bank 1204 Greenbush Street, Lafayette

> www.food-finders.org 765.471.0062











Pre to 3 Home Visitation Program





Lynn Herr RN, BSN, CPN
Vanderburgh County Health Department
January 25, 2024

AGENDA

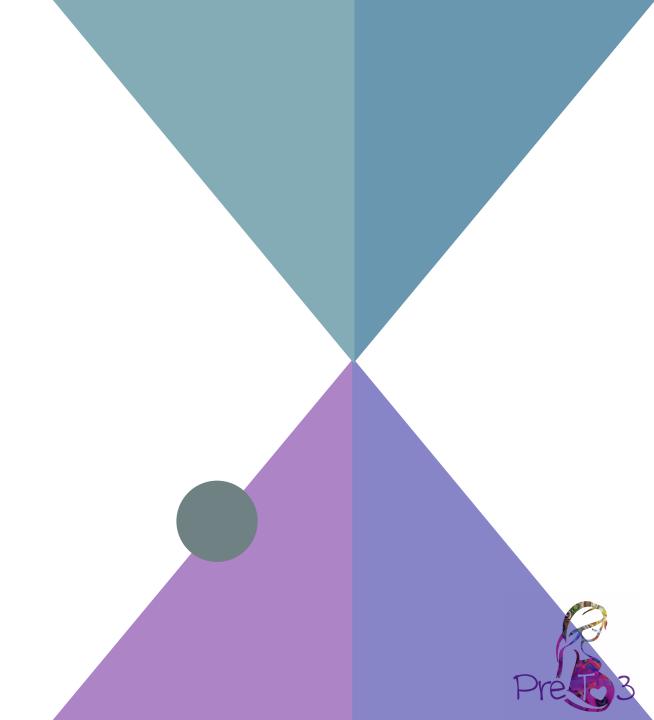
Review of Data

Program Overview

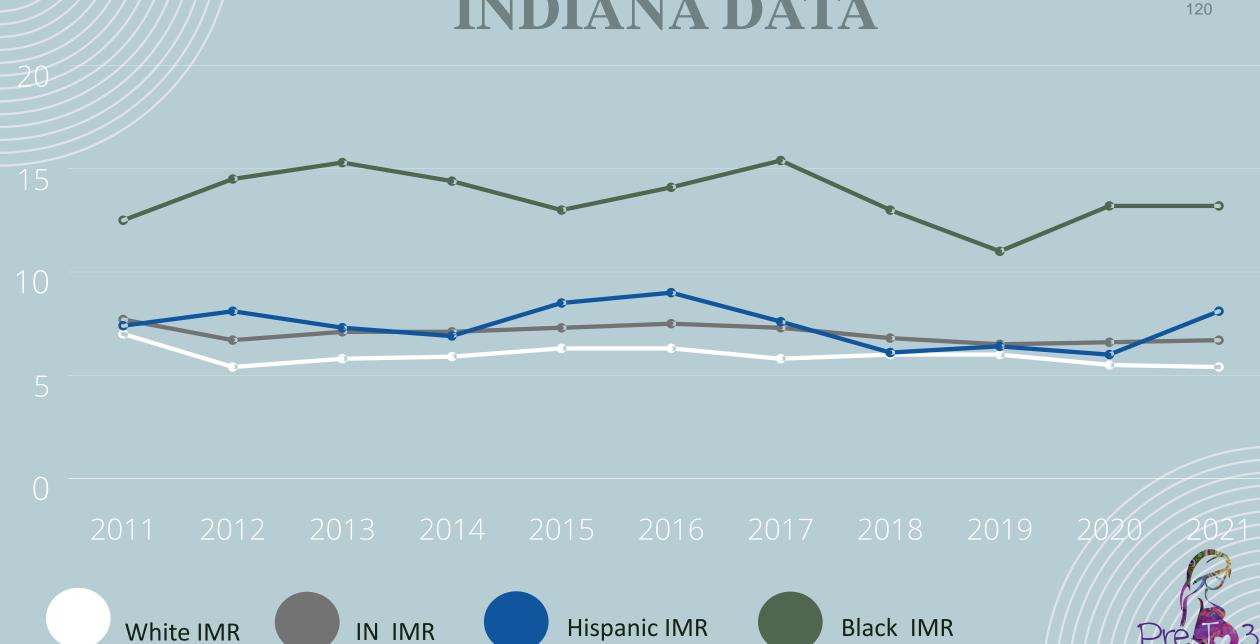
Summary of Program Data

Expansion/Growth Plan

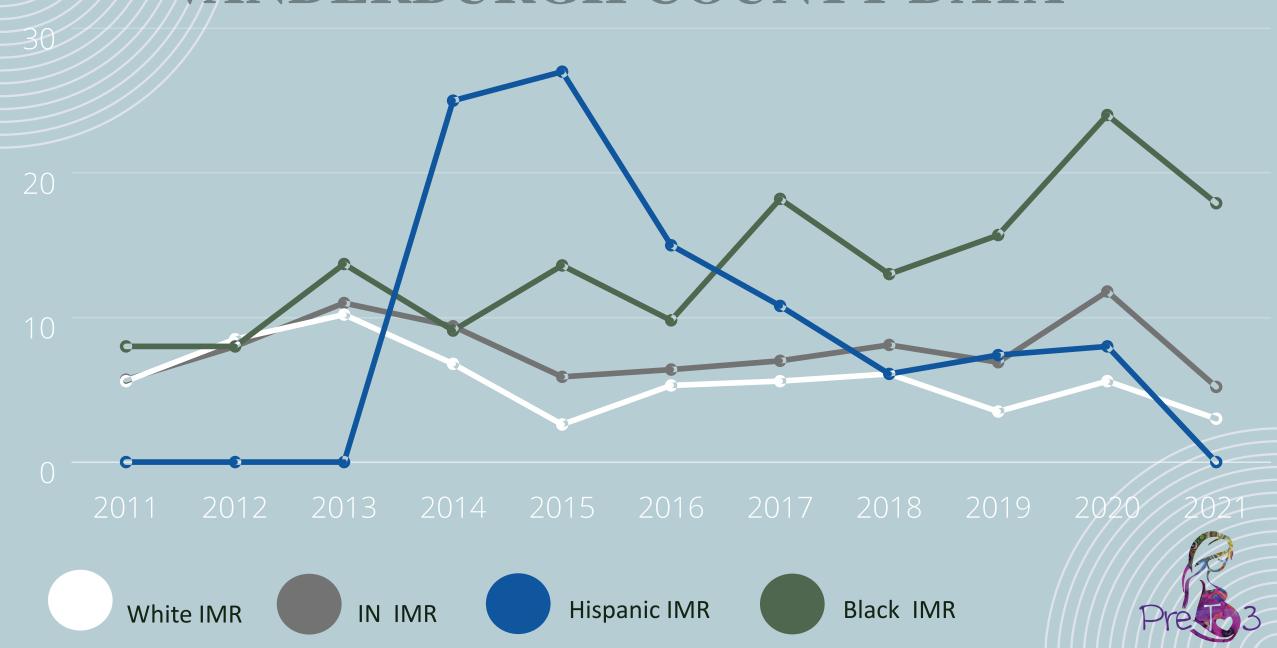
Questions



INDIANA DATA



VANDERBURGH COUNTY DATA



INDIANA DATA

2016-2020 Highest Stable Black Infant Mortality by County

Elkhart 23.4

Vanderburgh 16.9

St. Joe 15.3

Allen 15.2

Lake 13.9

Marion 12

2017-2021 Stable Black Infant Mortality Rate

Vanderburgh 19.1/1000
live births
Remains 2nd highest in
Indiana

WHAT IS PRE TO 3

- Home visiting program utilizing community health workers (CHW), client advocates, and registered nurses
- Provide long-term, consistent, hands-on support for families utilizing an evidence-based curriculum
- Designed to reduce infant mortality and improve maternal/child outcomes



PROGRAM OBJECTIVES

- 1. Improve maternal/child outcomes
- 2. Foster the parent-child interaction
- 3. Establish healthy environment for early childhood development
- 4. Chart paths to family self-sufficiency

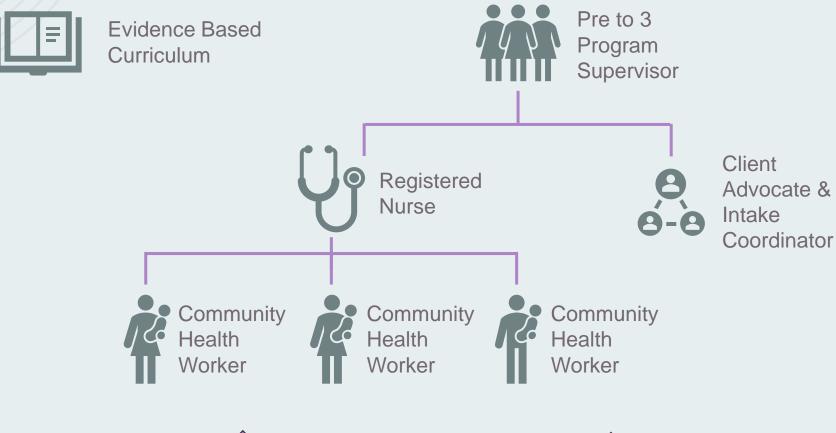


ENROLLMENT

- Anyone who is pregnant or has a baby less than 90 days old
- Can remain in the program until 3 years of age
- No enrollment requirements based on
 - Income
 - Parity
 - Education level

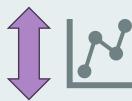


STRUCTURE





Program
Manager & QA
Coordinator



Data Analyst



SCREENINGS & ASSESSMENTS

- ACES/Resilience Questionnaire
- Intimate Partner Violence
- Edinburgh Postnatal Depression Scale
- ASQ-3 and ASQ:SE-2
- Home Safety
- Healthy Families Parenting Inventory



CURRENT NUMBERS

1,095 REACH

232 ACTIVE 454 BIRTHS

23,909 VISITS

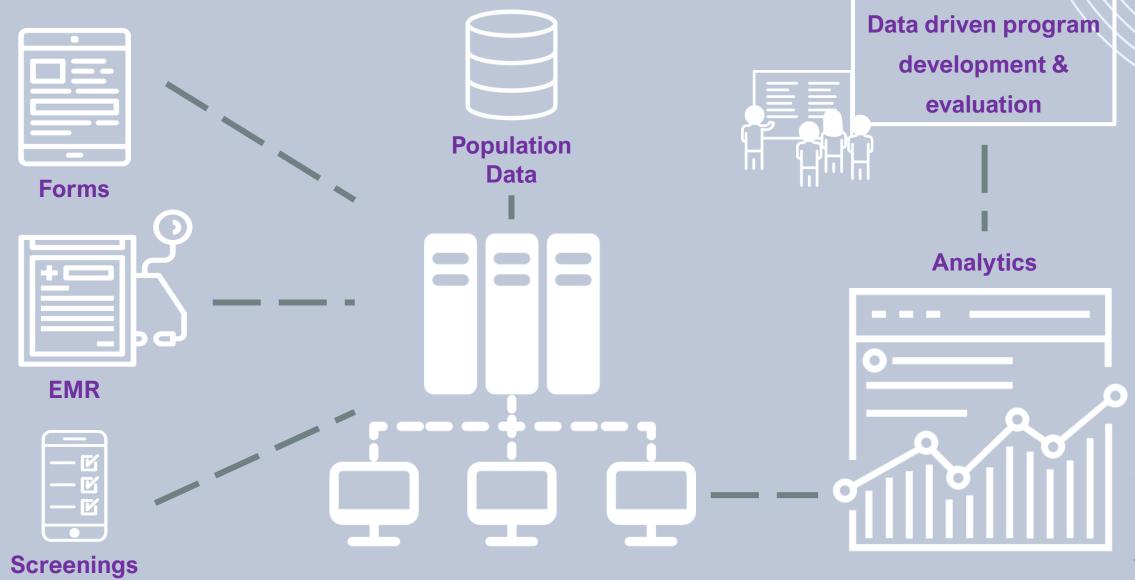
clients who completed an intake appointment

clients currently active in Pre to 3 in the program (2019 YTD)

visits completed (2019 YTD)

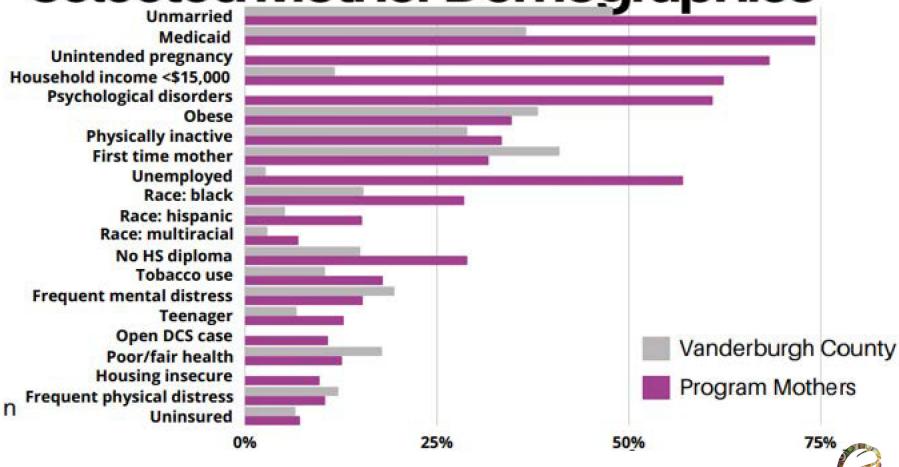


DATA INFRASTRUCTURE









PRE TO 3 CLIENT OUTCOMES

88.6% BIRTHS 37+ WEEKS 87.9% BIRTHS >2500 GRAMS 89.7%
ADEQUATE
PRENATALCARE

93.3% POSTPARTUM CHECKUPS 30.3% HEALTHY WEIGHT GAIN

84.8% BREASTIFEEDING INITIATION 94.3%

85.7% PRIMARY CARE PREPARATION 39.4% SMOKING CESSATION

96.7% CARSEAT ACQUISITION



REVENUE/BILLING



25,530

Processed claims (2019 YTD)



\$376,297.18 •••

Payment (2019 YTD)

- No private insurance reimbursement
- Cost per visit about \$200/1 hour visit
 - Salary
 - Travel
 - Curriculum
- Average Medicaid reimbursement
 - \$22.36/1 hour visit



PROGRAM EXPANSION



PLANNING

Developed a contract – interlocal agreement



GUIDE

Created an expansion & implementation toolkit



ORIENTATION

Tailored an orientation curriculum for other counties



PILOT

Started duplication in Dubois County – anticipate expansion to two additional counties in 2024



QUALITY

Focus on continuous improvement and maintaining fidelity of program



THANK YOU

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Vanderburgh County Health Department
lherr@vanderburghcounty.in.gov
yourvchd.org



Poster Awards / Closing



THANK YOU!

Dr. Jerome Adams - <u>adams616@purdue.edu</u>

Holly Wood - hawood@purdue.edu

Aubrey Anderson - <u>adams339@purdue.edu</u>

Brandi Plantenga - bplante@purdue.edu

