

**Meeting of the Board of Health
St. Joseph County Department of Health
8th Floor, County–City Building
Boardroom**

**July 20, 2022
4:30 p.m.**

Available by Zoom:

<https://us06web.zoom.us/j/82427745653?pwd=UHFSOEkyekJYVUd2S2FMeTJWU96dz09>

Meeting ID: 824 2774 5653

Passcode: 733756

One tap mobile

+13126266799,,82427745653# US (Chicago)

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I. CALL TO ORDER

II. ADOPTION OF THE AGENDA

It is recommended the Board of Health members adopt the agenda for the July 20, 2022.

Motion by _____ Seconded by _____ Vote _____

III. APPROVAL OF THE MINUTES

It is recommended the Board of Health members approve the minutes of June 15, 2022.

Motion by _____ Seconded by _____ Vote _____

IV. BOARD PRESIDENT ANNOUNCEMENTS:

V. HEALTH OFFICER PRESENTATION and REPORT:

22-21 Discussion on June 2022 Health Officer's Report

Emergency Preparedness

Environmental Health

Finance

Food Services

Health Equity, Epidemiology and Data (HEED)

Health Outreach, Promotion & Education (HOPE)

Nursing – Immunizations, Mobile Clinic & Public Health Nursing

Vital Records

VI. NEW BUSINESS:

22-22 Appointment of Dr. Cruthird to the Finance Committee.

22-23 Appointment of Ronald Hellenthal, Ph.D. to the Agricultural Advisory Board

22-24 Appointment of Dave Jeffers to the Agricultural Advisory Board

22-25 Speaker - Sandi Pontius, Tobacco Education Coordinator

22-26 Department of Health Video – Public Health Emergency

22-27 Department of Health Video – Food Services and Pools

VII. OLD BUSINESS:

VIII. BOARD NOTIFICATIONS:

1. Hirings: Norma Vanest, RN - 06/13/22
Emily Bedolla, (Re-Hire) COVID Registrar - 06/29/22
2. Resignations: Giovanni Alvarez, Environmental Health Specialist - 06/17/22
3. Retirements: None
4. Terminations: None

IX. PUBLIC COMMENT: (3 Minute Limit)

Public comment may be given in person. Input from the public can also be sent to the Board by mail or email via the SJC Department of Health.

X. TIME AND PLACE OF NEXT REGULAR MEETING:

August 17, 2022 – 4:30 p.m. 8th Floor County City Building, Boardroom

XI. ADJOURNMENT

The following statement provides guidance for the public comment portion of the meeting, as well as the expected decorum for all conversations during the meeting.

At regular meetings, the public is invited to address the Board for three minutes regarding items posted or not posted on the agenda. Individuals may only speak once during this section of the agenda. Speakers shall properly identify themselves by stating their name and address for the record. Personnel issues are not to be addressed during open sessions of the Board of Health. The Board President may interrupt, warn, or terminate any person's statement if the statement becomes personally directed, abusive, obscene, or inflammatory.

The Title VI Coordinator has made available at this meeting a voluntary Public Involvement Survey to collect demographic data to monitor and demonstrate St. Joseph County's compliance with its non-discrimination obligations under Title VI and Federal Regulation 23CFR 200.9(b)(4), and more importantly, ensure that affected communities and interested persons are provided equal access to public involvement. Compliance is voluntary. However, to demonstrate compliance with the federal regulation, the information requested must be documented when provided. It will not be used for any other purpose, except to show that those who are affected or have an interest in proceedings, or the proposed project have been given an opportunity to provide input throughout the process.

MINUTES AND MEMORANDA
ST. JOSEPH COUNTY BOARD OF HEALTH
June 15, 2022
Regular Meeting

Present at the Meeting:

Heidi Beidinger-Burnett, PhD, MPH	President
Jason Marker, M.D.	Vice President
Ilana T. Kirsch, M.D., FACOG	Member
John Linn, P.E.	Member
Ellen Reilander, J.D.	Member
Theresa Cruthird, MD	Member

Also Present at the Meeting:

Robert M. Einterz, M.D.	Health Officer
Mark D. Fox, MD, PhD, MPH	Deputy Health Officer
Jennifer S. Parcell	Executive Administrative Asst.
Amy Ruppe	Administrator
Robin Vida	Director Health Outreach Promotion and Education (HOPE)
Mark Espich	Director - Environmental Health
Cassy White	Director - Health Equity, Epidemiology, and Data (HEED)
Denise Kingsberry	Assistant Director of Vital Records
Karen Teague	Assistant Director of Food Services - ZOOM
Brett Davis	Assistant Director of Environmental Health
Sally Dixon	MIH Coordinator - ZOOM
Jodie Pairitz	Director of Nursing
Marcellus Lebbin, J.D.	Department of Health Attorney

I. CALL TO ORDER, ROLL CALL, & NOMINATIONS

Board President, Dr. Beidinger, called the June 15, 2022, regular Board of Health meeting to order at 4:30 p.m.

II. ADOPTION OF THE AGENDA

On motion made by Dr. Marker, seconded by Mr. Linn and unanimously approved, the agenda with addition of a new business item regarding participation policy for the June 15, 2022, regular meeting of the Board of Health was adopted.

III. APPROVAL OF THE MINUTES

On motion made by Dr. Marker, seconded by Mr. Linn, and unanimously approved, the minutes for the June 15, 2022, regular meeting of the Board of Health was approved.

IV. BOARDS PRESIDENT ANNOUNCEMENTS

Dr. Beidinger welcomed Dr. Cruthird an anesthesiologist and yielded the floor to Dr. Cruthird who gave a brief introduction of her background and her passion for land use, water systems, and food safety.

V. HEALTH OFFICER REPORT

Dr. Einterz noted the written report that was circulated and asked if there were any questions.

Attorney Reilander asked about where the money came from for the Maternal Infant Health Conference for birth equity. Dr. Beidinger stated that twelve thousand Dollars (\$12,000.00) came from grants

Attorney Reilander asked about COVID-19 and whether there is still a need for testing sites. Dr. Einterz stated that the DoH CHWs perform social needs assessment, and in the context of those assessments offer home test kits to community members. Ms. White described the social needs assessments that have been done at LaCasa, in the DoH clinic, and in the community.

Attorney Reilander asked about the fetal infant mortality numbers from the most recent years. Ms. White stated that they will publish these numbers, but at this point the numbers are preliminary.

Attorney Reilander then asked about how appointments are made to the fetal infant mortality team. Ms. Vida stated that they get members through an invitation/application process. Mr. Linn then asked about the subcommittee for the team. Dr. Einterz stated that there was no subcommittee. Dr. Einterz also stated that the Board of Health should follow up with those who

are on the team. Dr. Einterz stated that the team has five objectives. There was then a discussion on FIMA v. MIHL.

Attorney Reilander asked questions regarding abortion recommendations coming from the working group. Dr. Einterz inquired about exceptions for the life of the mother. Discussion followed.

Dr. Beidinger brought up the Board resolution for participation by those who are in person only. Mr. Linn liked the public participation. Attorney Reilander wanted to ensure that the Department of Health would try to record and post the meetings. The proposal of the business for the Board resolution was made by Dr. Marker, seconded by Dr. Kirsch, and approved with the support of Dr. Beidinger, Dr. Marker, Dr. Kirsch, Attorney Reilander, and Dr. Cruthird. The motion was opposed by Mr. Linn.

VI. DEPUTY HEALTH OFFICER REPORT

There was nothing to report.

VII. NEW BUSINESS

Ms. Pairitz gave a presentation on vaccination fees, including types of vaccines and the fees associated. A motion was made to approve the vaccination fees by Mr. Linn, seconded by Dr. Cruthird, and unanimously approved.

Dr. Einterz introduced the Department of Health Budget and concluded that it is sustainable through 2028. Dr. Kirsch asked about nurse positions. Mr. Linn supported funding for the Environmental Health unit. Attorney Reilander expressed her opinion that there was insufficient time to review the proposed budget. A motion was made to adopt the budget proposal by Mr. Linn and seconded by Dr. Marker, and approved with the support of Dr. Beidinger, Dr. Marker, Mr. Linn, Dr. Kirsch, and Dr. Cruthird. The motion was opposed by Attorney Reilander.

The County-wide lead initiative budget was discussed. A motion was made to adopt the budget proposal for the County wide lead initiative by Mr. Linn and seconded by Dr. Marker, and approved with the support of Dr. Beidinger, Dr. Marker, Mr. Linn, Dr. Kirsch, and Dr. Cruthird. The motion was opposed by Attorney Reilander.

Ms. Vida gave a HOPE presentation. The County alert system was discussed. Dr. Beidinger expressed the idea of looking into ways to improve mental health in St. Joseph

County. Discussion followed on how the Department of Health can improve access to resources for mental and physical health. A discussion on accessibility to food followed.

VIII. OLD BUSINESS

There was no old business.

IX. BOARD NOTIFICATIONS

Personnel changes were noted.

X. PUBLIC COMMENT

No public comment.

XI. TIME AND PLACE OF NEXT REGULAR MEETING

The next regular meeting of the St. Joseph County Board of Health is scheduled for Wednesday, July 20, 2022, at 4:30 p.m., at the County-City Building.

XII. ADJOURNMENT

This meeting was adjourned at 6:11 p.m.

ATTEST:

Respectfully submitted,

Robert M. Einterz, M.D.
St. Joseph County Health Officer

Marcellus Lebbin, Esq.
Health Department Attorney

From: [Rebekah Go](#)
To: [Jennifer Parcell](#)
Subject: Fwd: Public Comment
Date: Wednesday, June 15, 2022 5:35:29 PM

Hello! Can this be read at the meeting today? I'm on the zoom.

Sent on the Go, please excuse any errors!

Begin forwarded message:

From: Rebekah Go
Date: June 15, 2022 at 5:24:43 PM EDT
To: Robin Vida
Subject: Public Comment

Dear Robin,

Please read the following:

I am deeply concerned that the health department has become a foil for political partisanship.

I have always appreciated that the Health Department is not a lone wolf. It works hard to consistently look to national best practices with everything that it does. This means that it follows the recommendations of such nationally organizations as the CDC, the Academy of Pediatrics, the ACOG, and the FIMR

However, It seems that some of the newer members of the board don't even seem to trust these Nationally recognized science-based organizations. In which case, I must wonder - why are they are sitting on the board of public health at all? If not Nationally recognized best-practices then what? Some other lesser practice or intervention?

I believe that a certain amount of healthy scrutiny is important and even some actual skepticism. But this is absurd and it's gone too far. I have now attended three meetings (virtually) and this actually feels like a hostile takeover - inserting divisiveness into - of all things - the public health!!!

An unbelievable and unreasonable amount of these meetings has been spent discussing whether such a thing as a Public Health exists and whether best practices should be followed. All of this detracts from the clearly important work of this department. As we just heard, babies are literally dying. Mothers are literally dying.

I think if the public knew this, they would be outraged. I would like the newest members of the board to consider whether they should be at the table. Frankly, I think at this point you are doing more damage than good and I cannot see you as anything more than an impediment to the important work that needs to be done

(and I have spent months trying to give you the benefit of the doubt).

Thank you Dr. Bob, Dr. Fox, and Robin - among others. I am so grateful for your important work. And that you continue under what are frankly untenable circumstances.

Sent on the Go, please excuse any errors!



ST. JOSEPH COUNTY
DEPARTMENT OF HEALTH
Prevent. Promote. Protect.

Health Officer's Report of Unit Activities

July 2022

EMERGENCY PREPARDNESS UNIT

DELIVERABLES	OUTCOME	TIMELINE	JUNE UPDATES
Work with service providers in the Regional Planning Committee (furthermore referred to as RPC) to establish a space, protocols and to provide for the isolation of unhoused individuals positive with Covid-19.	<p>A space for unhoused persons to isolate when positive with covid-19.</p> <ul style="list-style-type: none"> -Protocols ensuring the safety and wellbeing of those in quarantine. -Protecting against further spread of Covid-19 among the unhoused and in congregate living spaces. 	<p>July 2021 – ongoing</p> <p>Establish a space and protocols by August 2021.</p> <p>Space established and continuing to be maintained and utilized.</p>	Continued to maintain space. Not utilized this month.
Create a database of all unhoused individuals in SJC.	<p>Better defining the need as to those out there and their demographics.</p> <ul style="list-style-type: none"> -Gain greater insight into the epidemiology of the unhoused. -facilitate data sharing across service providers. -Maintain and update list as individuals gain housing status. -Share data with existing HMIS system. 	<p>August 2021 – ongoing</p> <p>Database set up and running in September 2021</p>	Established meeting with City Contractor on Homelessness and Data Specialist at Center For The Homeless to discuss need for a Community Information Exchange.
Create an inventory of service providers and stakeholders and create a contact directory.	<p>Possession of a comprehensive list of contacts among service providers.</p> <ul style="list-style-type: none"> -Facilitation of greater communication between SJC and service providers. 	<p>July 2021 – ongoing</p> <p>Directory completed and added to website in August 2021</p>	Met with Leadership from Broadway Christian Parish to discuss making a streamlined, laminated, handheld version they could give out. Starting to work on this project with them.

DELIVERABLES	OUTCOME	TIMELINE	JUNE UPDATES
Administer, monitor and assess the Wash Wednesdays program with Burton's Laundry.	Create access to laundry services for unhoused members of our community. -Track the amount of clothing washed in pounds in order to give a greater idea as to the need. -Provide Social Needs Assessment to patrons.	July 2021 - Ongoing	6/8/22: 1,840 lbs 6/22/22: 1,980 lbs Total: 3,820 lbs of clothing or about 382 loads of laundry in a consumer washer.
Administer, monitor and assess the Senior Suds Night program with Burton's Laundry, Christ the King, and Clay Church.	Create access to laundry services for Senior members of our community in need. -Track the amount of clothing washed in pounds in order to give a greater idea as to the need. -Provide Social Needs Assessment to patrons.	June 2022 - Ongoing	6/14/22: 1,130 lbs 6/28/22: 950 lbs Total: 2,080 lbs of clothing or about 208 loads of laundry in a consumer washer. 590 loads of laundry washed between Wash Wednesday and Senior Suds Night in June.
Create and implement a pilot program in partnership with Motels 4 Now of best practices to reduce the impact of predators who prey on unhoused individuals' substance use and misuse.	Aid in alleviating the burden imposed upon those without housing in SJC by predators.	August 2022 – December 2022	

DELIVERABLES	OUTCOME	TIMELINE	JUNE UPDATES
Create and implement in partnership with the HOPE unit an ongoing awareness and education program for the general public on the different types of homelessness and its prevalence in our community.	Greater empathy among members of the public towards unhoused individuals in their community. -A better understanding of the scope and range of the issue of homelessness among the general public. -Schedule a media roundtable.	October 2021 – ongoing Creation of a spotlight video on wash Wednesday for Summer 2022	Reviewed and approved of the final draft of the promotional video featuring Wash Wednesday for release next month.
Work with community health partners in the vaccine rollout and monitoring vaccination rates among the unhoused population and in congregate living facilities.	Facilitate the ongoing rollout of the Covid-19 vaccine to the unhoused population and to those residing in Congregate living facilities. -Work with community health centers and our upcoming Mobile Unit in establishing mobile vaccination clinics targeted at unhoused often transient populations. -Monitor and report back to the DoH on relative vaccination rates among the unhoused and those staying in congregate living facilities.	July 2021 – ongoing First mobile clinics to begin in August 2021	Assisted in working with Broadway Christian Parish, Life Treatment Centers and the Nursing Unit to make same day appointments for and vaccinate 2 unhoused persons.

DELIVERABLES	OUTCOME	TIMELINE	JUNE UPDATES
Perform vaccine/health education sessions at various service providers.	<p>Aid in combatting misinformation about the vaccine.</p> <p>-Help educate unhoused and those residing in congregate living facilities on relevant information affecting their health.</p> <p>-Develop instruments for surveys of health needs of unhoused persons and residents of congregate living facilities.</p>	<p>August 2021 – ongoing</p> <p>First education session established in August 2021</p>	Spoke to the residents at E. Blair Warner about the impact of Homelessness on health and about addressing Vaccine Hesitancy within the unhoused population.
Provide rapid and PCR Covid-19 testing to service providers.	<p>Allow service providers to confidently operate knowing that they can count on having rapid Covid-19 testing available to symptomatic individuals who present themselves.</p> <p>-Allow service providers to offer PCR testing on site to individuals potentially exposed to Covid-19 who face unique transportation challenges which may otherwise prevent easy access to testing.</p>	July 2021 – ongoing	<p>Overseeing the distribution of the 39,812 tests received from State in May for distribution to low-income and vulnerable populations.</p> <p>By the end of June we had distributed over 31,376 tests from our locations in the County City Building and at Mishawaka, from our Community Health Workers, and from allying with various community partners including the Food Bank of Northern Indiana, United Way, Our Lady of The Road, and SJC Public Library.</p>

DELIVERABLES	OUTCOME	TIMELINE	JUNE UPDATES
Act as a liaison to relevant stakeholders and service providers on behalf of SJC DoH.	<p>Serve on relevant local boards, committees and task forces.</p> <p>-Create contact with stakeholders seeking to establish a low barrier intake facility/resource center.</p> <p>- Explore opportunities with neighborhood associations, faith groups, City/County Coordinator, and other interested stakeholders to create a model of affordable, scattered housing for persons experiencing homelessness.</p>	July 2021 - ongoing	<p>Attended the June Regional Planning Committee (RPC) Meeting. The June RPC Data Sub-Group Meeting, the June RPC Street Outreach Sub-Committee Meeting. Attended Our Lady of The Road and Center for The Homeless' Committee on expanding Weather Amnesty.</p>
Update all Public POD MOU's	<p>Strengthen relationships between the SJCDoH and community partners.</p> <p>-Establish new or updated MOU's for use in emergency situations.</p>	Fall 2022	
Hold Quarterly ESF-8 Meetings	<p>Keep agencies involved in ESF-8 up to date and cooperating towards preparing for the next crisis.</p>	Ongoing	<p>Virtually hosted the June ESF-8 Meeting for the After Action Report.</p>

DELIVERABLES	OUTCOME	TIMELINE	JUNE UPDATES
Attend all District 2 HCC and LHD Meetings	Act as a liaison for the SJCDoH in the D2 Health Care Coalition and with Emergency Preparedness counterparts at other Counties in our District	Ongoing	Attended the June D2 HCC meeting in Plymouth. Attended the June D2 LHD meeting in Plymouth.
Attend Local Emergency Planning Commission Meetings	Act as a liaison for the SJCDoH to SJC's LEPC Meetings.	Ongoing	Attended the June LEPC meeting virtually.
Scrub Current MRC List	Take off volunteers who are no longer active. -Send emails to all volunteers used for Hedwig and invite them to sign up at SERV-IN.	Fall 2022	
Work on PHEP Grant Deliverables	Keep SJCDoH receiving funding from the PHEP Grant. -Keep Amy up to date on deliverables for the grant.	Ongoing	Worked with Michelle at IDOH to finish the AAR.
Learn All EP Plans	Act as the internal expert for EP plans and their deployment	Ongoing	Began working on Extreme Temperature SOP.
Update EP orientation and trainings for all employees.	-Update current trainings regarding EP -Create/find new trainings surrounding EP	Ongoing	

DELIVERABLES	OUTCOME	TIMELINE	JUNE UPDATES
Maintain and Train on the Mobile Clinicss	<ul style="list-style-type: none"> -Keep mobile clinics in operating order. -Create and administer trainings on how to operate the mobile clinics. 	Ongoing	<p>Worked with Primetime to identify issues with the generator in the new Mobile Unit. Then took the new Mobile Unit to the Cummins service center and have been liaising with them over the phone receiving periodic updates on the progress of the repair. Still awaiting completion and pickup.</p>

ENVIRONMENTAL HEALTH UNIT

	June 2022	YTD 2022	YTD 2021	YTD 2020	YTD 2019
SEPTIC PROGRAM					
Residential - New Construction					
A. Inspections	19	76	75	77	100
B. Consultations	0	6	10	8	9
Residential - Replacement					
A. Inspections	62	260	273	330	316
B. Consultations	3	52	28	33	10
Commercial					
A. Inspections	3	19	3	7	10
B. Consultations	0	10	5	4	0
C. Cluster System Inspections	0	0	10	4	1
Abandonments without Replacements	5	14	24	21	10
Permit Applications Received	50	256	291	381	314
Permits Issued	47	214	214	265	230
Public Information Events	0	1	1	0	0
SUBDIVISION PROGRAM					
A. Health Officer Reports	3	16	21	18	12
B. Subdivision Reviews	5	20	23	24	14
C. Rezoning and Replat Reviews	0	8	7	6	5
WELLHEAD PROGRAM					
A. Inspections Performed	4	61	60	67	119
WELL DRILLING PROGRAM					
Residential					
A. Inspections	10	80	128	78	82
B. Well Abandonments	17	104	135	96	89
Commercial					
A. Inspections	0	0	1	0	0
B. Well Abandonment Inspections	0	0	4	2	3
New Construction					
A. Permit Applications Received	6	39	48	36	73
B. Permits Issued	6	39	49	45	61
Replacement Permits Issued	18	91	161	111	114
Public Information Events	2	10	0	0	0
SOURCE WATER PROGRAM					
A. Phase I Inquiries	13	93	103	62	83
B. Spill Responses	0	0	1	3	0
C. Meth Lab Occurrence Response	0	0	0	0	0
D. Other Source Water Inspections	2	5	9	3	15

	June 2022	YTD 2022	YTD 2021	YTD 2020	YTD 2019
SURFACE WATER PROGRAM					
A. Surface Water Sampling	0	0	0	0	0
LEAD PROGRAM					
A. HUD Lead Inspections	0	0	5	3	2
B. Lead Risk Assessments	6	24	37	24	44
a. EBLL Assessments	2	5	11	8	9
b. Parent Request	4	19	26	16	35
C. Clearances	2	9	9	17	22
D. Off-site Meetings	0	0	0	5	15
E. Public Information Events	0	1	0	1	14
D. Children Tested for Lead Levels*	281	1380	1522	1275	2385
CAFO PROGRAM					
A. Inspections Performed	0	0	0	0	0
AIR QUALITY PROGRAM					
A. Burn Permits	8	25	0		0
B. Indoor Air Quality Investigations	0	0	0	1	0
C. Mold Investigations	1	1		3	0
VECTOR PROGRAM					
A. Inspections Performed	2	56	27	11	5
B. Sites Treated	0	4	4	5	2
C. Traps Collected	28	31	86	44	0
D. ISDH Submissions	35	35	47	0	0
E. Public Information Events	1	1	3	1	0
HEALTHY HOMES PROGRAM (Inside)					
A. Initial Complaints	10	88	37	56	68
a. No Water	2	16	20	13	16
b. Garbage/Food Waste	2	32	23	26	32
c. Feces	1	25	21	8	8
d. Rodents/Cockroaches	5	15	27	9	12
A. Follow-up Complaints	16	82	38	74	93
a. No Water	4	25	33	31	25
b. Garbage/Food Waste	11	43	21	31	48
c. Feces	1	12	15	7	13
d. Rodents/Cockroaches	0	2	4	5	7
B. Dwellings Declared Unfit	0	8	13	7	16
MASSAGE					
A. Establishment Inspections	15	86	49	63	61

	June 2022	YTD 2022	YTD 2021	YTD 2020	YTD 2019
TATTOO/BODY PIERCING PROGRAM					
A. Inspections Performed	3	33	31	19	18
COMPLAINTS / INVESTIGATIONS					
A. Garbage/Food Waste (Outside)	13	84	25	46	20
B. Sewage	8	53	43	67	32
C. Water (ditches, lakes, ponds & swells)	0	1	1	4	6
D. Motels/Hotels	0	1	3	2	0
E. Burning	4	9	7	13	7
F. Other	25	113	60	44	40
ABATEMENT LETTERS					
A. Abatement Letters	35	249	144	91	99
B. Immediate Threat to Public Health Letters	0	3	2	2	2
C. Order to Vacate/Condemn Letter	0	8	12	3	17
D. Impending Legal Action Letters	3	16	16	7	7
SUBSURFACE INVESTIGATIONS					
A. Internal	1	28	0	0	0
B. External	0	0	0	0	0

* Due to time lag of State Database System, the Lead testing numbers are one month behind.

County Health Department

Main fund supported by tax revenue and fee revenue

LEAD: Dr. Einterz - SUPPORT: Amy Ruppe

	Budget	April	May	June	TOTALS	
Acct	REVENUE					
	Beginning Balance	\$1,897,461.29			\$1,897,461.29	
	Property, FIT, Excise, Vehicle Excise Tax		\$0.00	\$0.00	\$1,105,159.15	\$1,105,159.15
	Federal Reimbursements		\$941,102.96	\$5,947.52	\$6,947.52	\$1,016,027.58
	Miscellaneous Revenue		\$261.47	\$7,337.30	\$1,529.00	\$754,908.04
	TOTAL TAX and MISC REVENUE		\$941,364.43	\$13,284.82	\$1,113,635.67	\$4,773,556.06
	Environmental & Food		\$45,298.75	\$69,968.75	\$66,660.00	\$643,169.75
	Immunization Clinic (South Bend)		\$12,118.76	\$16,995.21	\$9,011.00	\$72,303.03
	Vital Records (South Bend)		\$30,641.00	\$43,159.00	\$49,104.00	\$267,330.00
	Mishawaka - Immun Clinic & Vital Records		\$2,736.00	\$1,446.00	\$3,289.00	\$13,415.00
	Fees (Charge, Charge 2, Coroner Fee)		(\$4,433.56)	(\$3,516.48)	(\$4,767.47)	(\$28,838.07)
	TOTAL FEE REVENUE		\$86,360.95	\$128,052.48	\$123,296.53	\$967,379.71
	GRAND TOTAL REVENUE		\$1,027,725.38	\$141,337.30	\$1,236,932.20	\$5,740,935.77
	EXPENSES					
Acct	10000 Series				Expenditures	Unexpended
	Salaries & Benefits	\$3,818,719.43	\$302,629.75	\$205,354.27	\$388,214.81	\$1,692,753.17
	Total 10000 Series	\$3,818,719.43	\$302,629.75	\$205,354.27	\$388,214.81	\$1,692,753.17
Acct	20000 Series					
	Supplies	\$125,557.72	\$11,559.75	\$11,438.60	\$8,038.67	\$48,447.16
	Total 20000 Series	\$125,557.72	\$11,559.75	\$11,438.60	\$8,038.67	\$77,110.56
Acct	30000 Series					
	Services	\$814,371.75	\$11,760.45	\$19,973.04	\$10,646.69	\$93,980.40
	Total 30000 Series	\$814,371.75	\$11,760.45	\$19,973.04	\$10,646.69	\$720,391.35
	TOTAL BUDGET	\$4,758,648.90				
	GRAND TOTAL EXPENSES		\$325,949.95	\$236,765.91	\$406,900.17	\$1,835,180.73
	Net Income		\$701,775.43	(\$95,428.61)	\$830,032.03	\$2,008,293.75
	FUND BALANCE	\$1,897,461.29	\$3,171,151.62	\$3,075,723.01	\$3,905,755.04	

MIH Initiatives

Funds raised through sponsorships of the Achieving Birth Equity events will provide education and awareness for maternal infant health professionals and future community engagement, awareness events, and outreach to mothers and families through Maternal Infant Health Initiatives at the SJCDoH.

LEAD: Robin Vida - SUPPORT: Sally Dixon

		Budget	April	May	June	TOTALS	Unexpended
Acct	REVENUE						
00000	Beginning Balance	\$0.00				\$0.00	
06400	Donations		\$7,640.10	\$100.00	\$0.00	\$26,142.93	
	TOTAL REVENUE	\$0.00	\$7,640.10	\$100.00	\$0.00	\$26,142.93	
	EXPENSES						
Acct	20000 Series						
24012	Promotion Supplies	\$5,338.83	\$5,338.83	\$0.00	\$0.00	\$5,338.83	\$0.00
	Total 20000 Series	\$5,338.83	\$5,338.83	\$0.00	\$0.00	\$5,338.83	\$0.00
Acct	30000 Series						
33368	Public Info & Educ	\$15,804.10	\$0.00	\$12,816.00	\$0.00	\$12,816.00	\$2,988.10
36015	Contractual Services	\$5,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,000.00
	Total 30000 Series	\$20,804.10	\$0.00	\$12,816.00	\$0.00	\$12,816.00	\$7,988.10
	TOTAL EXPENSES	\$26,142.93	\$5,338.83	\$12,816.00	\$0.00	\$18,154.83	
							\$7,988.10
	Net Income		\$2,301.27	(\$12,716.00)	\$0.00	\$0.00	
	FUND BALANCE	\$0.00	\$20,704.10	\$7,988.10	\$7,988.10	\$7,988.10	

County-Wide Lead Initiative

During our budget discussions in 2018 (preparing for FY2019), the importance of lead was stressed and the Auditor, Commissioners and Council created this fund and provides the funding for it.

LEAD: Cassy White

		Budget	April	May	June	TOTALS	Unexpended
Acct	REVENUE						
00000	Beginning Balance	\$430,966.60				\$430,966.60	
05205	Interfund Transfer of Funds		\$0.00	\$0.00	\$0.00	\$200,000.00	
05600	Refunds		\$0.00	\$0.00	\$1,058.12	\$1,058.12	
06400	Donations		\$0.00	\$0.00	\$0.00	\$0.00	
	TOTAL REVENUE	\$430,966.60	\$0.00	\$0.00	\$0.00	\$632,024.72	
	EXPENSES						
Acct	10000 Series						
11167	Community Health Worker	\$111,000.00	\$12,346.11	\$8,017.25	\$8,121.11	\$53,176.69	\$57,823.31
11176	Asst. Director HEED	\$56,908.00	\$6,566.31	\$4,377.54	\$4,377.54	\$28,454.01	\$28,453.99
14800	FICA Taxes	\$12,845.00	\$1,430.88	\$932.28	\$940.23	\$6,155.02	\$6,689.98
14810	PERF	\$18,806.00	\$2,118.18	\$1,388.21	\$1,399.84	\$9,142.60	\$9,663.40
14840	Group Health Insurance	\$72,000.00	\$0.00	\$0.00	\$9,000.00	\$18,000.00	\$54,000.00
	Total 10000 Series	\$271,559.00	\$22,461.48	\$14,715.28	\$23,838.72	\$114,928.32	\$156,630.68
Acct	20000 Series						
21030	Office Supplies	\$5,000.00	\$34.00	\$0.00	\$93.99	\$127.99	\$4,872.01
22148	Field Supplies	\$5,000.00	\$0.00	\$15.76	\$228.25	\$620.86	\$4,379.14
	Total 20000 Series	\$10,000.00	\$34.00	\$15.76	\$322.24	\$748.85	\$9,251.15
Acct	30000 Series						
32020	Travel/Mileage	\$2,000.00	\$122.40	\$0.00	\$0.00	\$122.40	\$1,877.60
32050	Conferences & Training	\$3,500.00	\$0.00	\$0.00	\$0.00	\$149.77	\$3,350.23
32203	Cell Phones	\$2,200.00	\$163.08	\$163.08	\$163.08	\$979.32	\$1,220.68
32350	Postage	\$2,000.00	\$92.85	\$98.51	\$119.52	\$446.36	\$1,553.64
33368	Public Information & Education	\$9,269.00	\$0.00	\$394.40	\$1,410.36	\$3,035.67	\$6,233.33
36500	Service Contract	\$8,282.92	\$315.20	\$0.00	\$3,630.00	\$4,372.92	\$3,910.00
39750	Information Tech	\$6,717.08	\$0.00	\$0.00	\$0.00	\$0.00	\$6,717.08
	Total 30000 Series	\$33,969.00	\$693.53	\$655.99	\$5,322.96	\$9,106.44	\$24,862.56
	TOTAL EXPENSES	\$315,528.00	\$23,189.01	\$15,387.03	\$29,483.92	\$124,783.61	
							\$190,744.39
	Net Income		(\$23,189.01)	(\$15,387.03)	(\$29,483.92)	\$75,216.39	
	FUND BALANCE	\$430,966.60	\$551,053.94	\$535,666.91	\$506,182.99	\$507,241.11	

Health FIMR

The Title V Fetal Infant Mortality Review (FIMR) Grant provides continuity of our Fetal Infant Mortality Review program which review all infant death cases under the age of 1 and identifies trends for prevention of infant mortality.

LEAD: Robin Vida - SUPPORT: Sally Dixon

		Budget	April	May	June	TOTALS	Unexpended
Acct	REVENUE						
00000	Beginning Balance	\$6,887.28				\$6,887.28	
06400	Donations		\$0.00	\$0.00	\$0.00	\$0.00	
	TOTAL REVENUE	\$6,887.28	\$0.00	\$0.00	\$0.00	\$6,887.28	
	EXPENSES						
Acct	20000 Series						
21030	Office Supplies	\$3,423.04	\$788.55	\$32.67	\$32.67	\$1,139.39	\$2,283.65
	Total 20000 Series	\$3,423.04	\$788.55	\$32.67	\$32.67	\$1,139.39	\$2,283.65
Acct	30000 Series						
32020	Travel /Mileage	\$3,423.04	\$0.00	\$0.00	\$0.00	\$375.00	\$3,048.04
32203	Cell Phones	\$41.20	\$0.00	\$0.00	\$0.00	\$41.20	\$0.00
	Total 30000 Series	\$3,464.24	\$0.00	\$0.00	\$0.00	\$416.20	\$3,048.04
	TOTAL EXPENSES	\$6,887.28	\$788.55	\$32.67	\$32.67	\$1,555.59	
							\$5,331.69
	Net Income		(\$788.55)	(\$32.67)	(\$32.67)	(\$1,555.59)	
	FUND BALANCE	\$6,887.28	\$5,397.03	\$5,364.36	\$5,331.69	\$5,331.69	

Health Immunization CoAg

The Indiana State Department of Health aims to increase vaccinations in each county, increase use in the state immunization registry, increase utilization of publicly funded adult vaccines, and reduce wastage of publicly funded vaccines.

LEAD: Jodie Pairitz - SUPPORT: Neiko Rust, Shelley Chaffee and Robin Vida

		Budget	April	May	June	TOTALS	Unexpended
Acct	REVENUE						
00000	Beginning Balance	(\$5,956.67)				(\$5,956.67)	
02708	Federal/Grants Reimbursements		\$5,956.67	\$15,549.53	\$8,988.17	\$44,246.84	
5600	Refunds		\$0.00	\$0.00	\$0.00	\$0.00	
	TOTAL REVENUE	(\$5,956.67)	\$0.00	\$0.00	\$0.00	\$38,290.17	
	EXPENSES						
Acct	10000 Series						
11193	Part Time	\$59,142.55	\$10,789.95	\$7,941.18	\$7,617.34	\$44,096.44	\$15,046.11
14800	FICA Taxes	\$4,384.53	\$824.99	\$600.53	\$578.38	\$3,360.45	\$1,024.08
	Total 10000 Series	\$63,527.08	\$11,614.94	\$8,541.71	\$8,195.72	\$47,456.89	\$16,070.19
Acct	20000 Series						
21030	Office Supplies	\$1,875.22	\$504.19	\$309.56	\$1,037.49	\$1,851.24	\$23.98
22406	Immunization Supplies	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Total 20000 Series	\$1,875.22	\$504.19	\$309.56	\$1,037.49	\$1,851.24	\$23.98
Acct	30000 Series						
32020	Travel /Mileage	\$26.22	\$0.00	\$0.00	\$26.22	\$26.22	\$0.00
32203	Cell Phones	\$498.02	\$81.90	\$81.90	\$81.60	\$491.52	\$6.50
33368	Public Info & Educ	\$51,384.76	\$0.00	\$55.00	\$48,701.98	\$49,448.13	\$1,936.63
36015	Contractual Services	\$15,109.42	\$3,348.50	\$0.00	\$0.00	\$4,087.28	\$11,022.14
	Total 30000 Series	\$67,018.42	\$3,430.40	\$136.90	\$48,809.80	\$54,053.15	\$12,965.27
	TOTAL EXPENSES	\$132,420.72	\$15,549.53	\$8,988.17	\$58,043.01	\$103,361.28	
							\$29,059.44
	Net Income		(\$15,549.53)	(\$8,988.17)	(\$58,043.01)		
	FUND BALANCE	(\$5,956.67)	(\$42,286.77)	(\$51,274.94)	(\$109,317.95)	(\$65,071.11)	

Health PHEP

The PHEP Grant provides funds to enhance Department of Health preparedness in order to respond to public health and healthcare emergencies.

LEAD: Harrison Gilbride

	Fund 8134	2021 Budget	April	May	June	Total Expenditures	Unexpended
Acct	REVENUE						
00000	Beginning Balance	\$0.00				\$0.00	
02708	Federal/Grants Reimbursements		\$0.00	\$3,665.06	\$17,717.60	\$24,970.76	
	TOTAL REVENUE	\$0.00	\$0.00	\$3,665.06	\$17,717.60	\$24,970.76	
	EXPENSES						
Acct	30000 Series						
32550	Miscellaneous Costs	\$25,000.00	\$3,665.06	\$4,889.36	\$29.24	\$25,000.00	\$0.00
	Total 20000 Series	\$25,000.00	\$3,665.06	\$4,889.36	\$29.24	\$25,000.00	\$0.00
	TOTAL EXPENSES	\$25,000.00	\$3,665.06	\$4,889.36	\$29.24	\$25,000.00	
							\$0.00
	Net Income		(\$3,665.06)	(\$1,224.30)	\$17,688.36	(\$29.24)	
	FUND BALANCE	\$0.00	(\$16,493.30)	(\$17,717.60)	(\$29.24)	(\$29.24)	

Health COVID Vaccinations

The St. Joseph County Department of Health will assist the Indiana Department of Health regarding promotion of the COVID-19 vaccine and conduct direct outreach to minority and hard to reach populations.

LEAD: Dr. Einterz - SUPPORT: Amy Ruppe

		Budget	April	May	June	TOTALS	Unexpended
Acct	REVENUE						
00000	Beginning Balance	(\$322,753.03)				(\$322,753.03)	
02708	Federal/Grants Reimbursements		\$0.00	\$11,847.02	\$48,700.92	\$442,981.98	
	TOTAL REVENUE	(\$322,753.03)	\$0.00	\$11,847.02	\$48,700.92	\$120,228.95	
	EXPENSES						
Acct	10000 Series						
11155	Nurse	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11167	Community Health Worker	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11193	Immun Outreach Coord	\$21,939.42	\$4,992.12	\$3,328.08	\$3,328.08	\$21,632.52	\$306.90
11950	Part Time	\$16,538.82	\$2,659.80	\$1,583.73	\$1,516.27	\$10,048.51	\$6,490.31
11985	Temporary/Seasonal Help	\$0.00	\$0.00	\$0.00	\$25,612.18	\$25,612.18	(\$25,612.18)
14800	FICA Taxes	\$3,431.86	\$576.35	\$366.91	\$361.76	\$2,909.34	\$522.52
14810	PERF	\$2,911.20	\$559.11	\$372.74	\$372.74	\$2,422.83	\$488.37
14840	Group Health Insurance	\$9,000.00	\$0.00	\$0.00	\$4,500.00	\$9,000.00	\$0.00
16800	Bonuses	\$7,054.61	\$0.00	\$0.00	\$0.00	\$7,054.61	\$0.00
	Total 10000 Series	\$60,875.91	\$8,787.38	\$5,651.46	\$35,691.03	\$78,679.99	(\$17,804.08)
Acct	30000 Series						
32020	Travel /Mileage	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
32050	Conferences & Training	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
32203	Cell Phones	\$245.04	\$40.77	\$40.77	\$40.77	\$244.83	\$0.21
32550	Miscellaneous Costs	\$65,173.33	\$326.57	(\$3,466.77)	\$348.00	\$40,576.28	\$24,597.05
36015	Contractual Services	\$61,499.95	\$2,692.30	\$4,038.45	\$24,692.30	\$61,499.95	\$0.00
	Total 30000 Series	\$126,918.32	\$3,059.64	\$612.45	\$25,081.07	\$102,321.06	\$24,597.26
	TOTAL EXPENSES	\$187,794.23	\$11,847.02	\$6,263.91	\$60,772.10	\$181,001.05	
							\$6,793.18
	Net Income		(\$11,847.02)	\$5,583.11	(\$12,071.18)		
	FUND BALANCE	\$0.00	\$268,469.00	\$274,052.11	\$261,980.93	(\$60,772.10)	

Health TB Elimination

To provide directly observed therapy (DOT) services and directly observed preventive therapy (DOPT) for high-risk contacts, augmenting the TB services available in St. Joseph County.

LEAD: Dr. Einterz - SUPPORT: Amy Ruppe

		Budget	April	May	June	TOTALS	Unexpended
Acct	REVENUE						
00000	Beginning Balance	\$0.00				\$0.00	
02708	Federal/Grants Reimbursements		\$0.00	\$3,279.66	\$9,719.38	\$46,779.00	
	TOTAL REVENUE	\$0.00	\$0.00	\$0.00	\$0.00	\$46,779.00	
	EXPENSES						
Acct	10000 Series						
11155	Nurse-Other Medical	\$32,526.04	\$2,744.71	\$0.00	\$0.00	\$32,526.04	\$0.00
14800	FICA Taxes	\$2,488.30	\$209.98	\$0.00	\$0.00	\$2,488.30	\$0.00
14810	PERF	\$3,642.93	\$307.41	\$0.00	\$0.00	\$3,642.93	\$0.00
14840	Group Health Insurance	\$8,121.73	\$17.56	\$0.00	\$0.00	\$8,121.73	\$0.00
	Total 10000 Series	\$46,779.00	\$3,279.66	\$0.00	\$0.00	\$46,779.00	\$0.00
	TOTAL EXPENSES	\$46,779.00	\$3,279.66	\$0.00	\$0.00	\$46,779.00	
							\$0.00
	Net Income		(\$3,279.66)	\$0.00	\$0.00		
	FUND BALANCE	\$0.00	(\$46,779.00)	(\$46,779.00)	(\$46,779.00)	\$0.00	

Health CHWs for COVID

Train and deploy community health workers in St. Joseph County by building and strengthening community resilience to fight COVID-19 through addressing health disparities.

LEAD: Cassy White

		Budget	April	May	June	TOTALS	Unexpended
Acct	REVENUE						
00000	Beginning Balance	\$0.00				\$0.00	
02708	Federal/Grants Reimbursements		\$0.00	\$69,966.11	\$78,122.98	\$317,935.13	
	TOTAL REVENUE	\$0.00	\$0.00	\$69,966.11	\$78,122.98	\$317,935.13	
	EXPENSES						
Acct	10000 Series						
11030	Administrator	\$2,284.64	\$380.76	\$285.59	\$285.59	\$1,713.46	\$571.18
11055	Health Officer	\$4,846.16	\$807.69	\$605.77	\$605.77	\$3,634.61	\$1,211.55
11167	Community Health Worker	\$253,510.88	\$36,105.92	\$24,076.94	\$24,072.20	\$151,603.77	\$101,907.11
11170	Director of HEED	\$3,566.04	\$594.36	\$445.74	\$445.74	\$2,674.56	\$891.48
11197	Director of HOPE	\$3,566.04	\$594.36	\$445.74	\$445.74	\$2,674.56	\$891.48
11976	Deputy Health Officer	\$6,646.16	\$1,107.69	\$830.77	\$830.77	\$4,984.61	\$1,661.55
12014	Social Worker	\$19,125.00	\$3,187.50	\$2,390.62	\$2,390.62	\$14,343.74	\$4,781.26
14800	FICA Taxes	\$22,502.29	\$3,210.20	\$2,169.45	\$2,167.19	\$13,560.09	\$8,942.20
14810	PERF	\$32,877.48	\$4,791.14	\$3,257.07	\$3,256.54	\$20,342.35	\$12,535.13
14840	Group Health Insurance	\$135,350.00	\$0.00	\$0.00	\$27,000.00	\$45,000.00	\$90,350.00
	Total 10000 Series	\$484,274.69	\$50,779.62	\$34,507.69	\$61,500.16	\$260,531.75	\$223,742.94
Acct	20000 Series						
22148	Field Supplies	\$948.77	\$0.00	\$434.50	\$0.00	\$705.25	\$243.52
	Total 20000 Series	\$948.77	\$0.00	\$434.50	\$0.00	\$705.25	\$243.52
Acct	30000 Series						
31015	Consultant Services	\$65,000.00	\$5,000.00	\$7,500.00	\$5,000.00	\$52,500.00	\$12,500.00
32020	Travel/Mileage	\$4,857.30	\$240.75	\$267.75	\$0.00	\$919.85	\$3,937.45
32050	Conferences & Training	\$30,709.85	\$179.68	\$224.30	\$2,330.65	\$5,873.12	\$24,836.73
32203	Cell Phones	\$4,374.46	\$366.93	\$366.93	\$366.93	\$2,203.47	\$2,170.99
33368	Public Information & Education	\$89,661.09	\$13,536.84	\$13,122.65	\$1,522.65	\$33,221.60	\$56,439.49
36015	Contractual Services	\$96,200.00	\$0.00	\$21,561.45	\$0.00	\$29,962.13	\$66,237.87
39750	Information Tech	\$7,713.33	\$0.00	\$0.00	\$0.00	\$2,738.35	\$4,974.98
	Total 30000 Series	\$298,516.03	\$19,324.20	\$43,043.08	\$9,220.23	\$74,918.52	\$223,597.51
	TOTAL EXPENSES	\$783,739.49	\$70,103.82	\$77,985.27	\$70,720.39	\$388,655.52	
							\$395,083.97
	Net Income		(\$70,103.82)	(\$8,019.16)	\$7,402.59	(\$70,720.39)	
	FUND BALANCE	\$0.00	(\$70,103.82)	(\$78,122.98)	(\$70,720.39)	(\$70,720.39)	

Health COVID Crisis CoAg

Based on a jurisdiction population tier, the IDOH will provide funding to the LHDs to hire additional staff (minimum 1 – maximum 7) to support continued COVID-19 response efforts in K-12 schools within the jurisdiction. The additional team member(s) will serve as the School COVID-19 Liaison(s) and be identified as the subject matter expert related to COVID-19 Response in schools.

LEAD: Dr. Einterz and Dr. Fox

		Budget	April	May	June	TOTALS	Unexpended
Acct	REVENUE						
00000	Beginning Balance	\$0.00				\$0.00	
02708	Federal/Grants Reimbursements		\$0.00	\$0.00	\$275,000.00	\$550,000.00	
	TOTAL REVENUE	\$0.00	\$0.00	\$0.00	\$275,000.00	\$550,000.00	
	EXPENSES						
Acct	10000 Series						
						\$0.00	\$0.00
						\$0.00	\$0.00
	Total 10000 Series	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Acct	20000 Series						
						\$0.00	\$0.00
						\$0.00	\$0.00
	Total 20000 Series	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Acct	30000 Series						
						\$0.00	\$0.00
						\$0.00	\$0.00
						\$0.00	\$0.00
						\$0.00	\$0.00
						\$0.00	\$0.00
	Total 30000 Series	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	TOTAL EXPENSES	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
							\$0.00
	Net Income		\$0.00	\$0.00	\$275,000.00		
	FUND BALANCE	\$0.00	\$275,000.00	\$275,000.00	\$550,000.00	\$550,000.00	

Health Local Health Services

The Local Health Maintenance grant is a long-standing grant from the Indiana State Department of Health which allows Local Health Departments to utilize the funds to work on any area in ISDH's long range plan. The St. Joseph County Department of Health uses these funds to fund a Health Educator and a Community Health Worker. Carry-forward pays for benefits, supplies, travel, educational materials and trainings for staff.

LEAD: Robin Vida and Cassy White

		Budget	April	May	June	TOTALS	Unexpended
Acct	REVENUE						
00000	Beginning Balance	\$37,061.75				\$37,061.75	
01412	State Grant		\$0.00	\$0.00	\$0.00	\$36,336.00	
	TOTAL REVENUE	\$37,061.75	\$0.00	\$0.00	\$0.00	\$73,397.75	
	EXPENSES						
Acct	10000 Series						
11167	Community Health Worker	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11193	Health Promotion Specialist	\$43,265.00	\$4,992.12	\$3,328.08	\$3,328.08	\$21,632.52	\$21,632.48
14800	FICA Taxes	\$3,309.00	\$366.15	\$241.15	\$241.15	\$1,574.14	\$1,734.86
14810	PERF	\$4,846.00	\$559.11	\$372.74	\$372.74	\$2,422.80	\$2,423.20
14840	Group Health Insurance	\$18,000.00	\$0.00	\$0.00	\$4,500.00	\$9,000.00	\$9,000.00
	Total 10000 Series	\$69,420.00	\$5,917.38	\$3,941.97	\$8,441.97	\$34,629.46	\$34,790.54
Acct	20000 Series						
21030	Office Supplies	\$2,280.00	\$0.00	\$0.00	\$0.00	\$24.22	\$2,255.78
	Total 20000 Series	\$2,280.00	\$0.00	\$0.00	\$0.00	\$24.22	\$2,255.78
Acct	30000 Series						
32020	Travel /Mileage	\$5,167.00	\$75.00	\$0.00	\$0.00	\$303.11	\$4,863.89
32203	Cell Phones	\$540.00	\$86.20	\$86.20	\$86.20	\$517.44	\$22.56
33368	Public Info & Educ	\$7,300.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7,300.00
	Total 30000 Series	\$13,007.00	\$161.20	\$86.20	\$86.20	\$820.55	\$12,186.45
	TOTAL EXPENSES	\$84,707.00	\$6,078.58	\$4,028.17	\$8,528.17	\$35,474.23	
							\$49,232.77
	Net Income		(\$6,078.58)	(\$4,028.17)	(\$8,528.17)		
	FUND BALANCE	\$37,061.75	\$50,479.86	\$46,451.69	\$37,923.52	\$37,923.52	

Health Trust Fund

The Indiana Local Health Department Trust Account was established within the Indiana Tobacco Master Settlement Agreement Fund for the purpose of providing funding for services provided by local Boards of Health in each county. In using money distributed by this fund, the local Board of Health shall give priority to: (1) programs that share common goals with the mission statement and long range state plan established by the state department of health; (2) preventive health measures; and (3) support for community health centers that treat low income persons and senior citizens. Grant is valid January 1st to December 31st.

LEAD: Dr. Einterz - SUPPORT: Amy Ruppe

		Budget	April	May	June	TOTALS	Unexpended
Acct	REVENUE						
00000	Beginning Balance	\$225,408.27				\$225,408.27	
01412	State Grant		\$0.00	\$0.00	\$0.00	\$46,828.51	
	TOTAL REVENUE	\$225,408.27	\$0.00	\$0.00	\$0.00	\$272,236.78	
	EXPENSES						
Acct	10000 Series						
12014	ACEs Coordinator	\$55,221.00	\$0.00	\$0.00	\$0.00	\$1.00	\$55,220.00
14800	FICA Taxes	\$4,225.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,225.00
14810	PERF	\$6,185.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,185.00
14840	Group Health Insurance	\$18,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$18,000.00
	Total 10000 Series	\$83,631.00	\$0.00	\$0.00	\$0.00	\$1.00	\$83,630.00
Acct	30000 Series						
32020	Travel/Mileage	\$10,026.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10,026.00
	Total 30000 Series	\$10,026.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10,026.00
	TOTAL EXPENSES	\$93,657.00	\$0.00	\$0.00	\$0.00	\$0.00	
							\$93,657.00
	Net Income		\$0.00	\$0.00	\$0.00		
	FUND BALANCE	\$225,408.27	\$225,408.27	\$225,408.27	\$225,408.27	\$272,236.78	

Health Cooking Healthy

The Cooking Healthy Program is used to purchase food and cooking supplies for our Let's Cook! Healthy Eating program. It will be used for monthly live cooking demos and recording of basic cooking skill demos on YouTube. No expiration.

LEAD: Robin Vida

		Budget	April	May	June	TOTALS	Unexpended
Acct	REVENUE						
00000	Beginning Balance	\$354.94				\$354.94	
06400	Donations		\$0.00	\$0.00	\$0.00	\$0.00	
	TOTAL REVENUE	\$354.94	\$0.00	\$0.00	\$0.00	\$354.94	
	EXPENSES						
Acct	30000 Series						
33368	Public Info & Educ	\$354.94	\$24.73	\$0.00	\$9.77	\$64.06	\$290.88
	Total 30000 Series	\$354.94	\$24.73	\$0.00	\$9.77	\$64.06	\$290.88
	TOTAL EXPENSES	\$354.94	\$24.73	\$0.00	\$9.77	\$64.06	
							\$290.88
	Net Income		(\$24.73)	\$0.00	(\$9.77)	\$0.00	
	FUND BALANCE	\$354.94	\$300.65	\$300.65	\$290.88	\$290.88	

Health Vector

The Department of Health has been awarded a grant for our vector program to address Eastern Equine Encephalitis (EEE) from a local philanthropic foundation which prefers to maintain anonymity.

LEAD: Brett Davis

		Budget	April	May	June	TOTALS	Unexpended
Acct	REVENUE						
00000	Beginning Balance	\$11,924.80				\$11,924.80	
02710	Local Grant Reimbursement		\$0.00	\$0.00	\$0.00	\$0.00	
	TOTAL REVENUE	\$11,924.80	\$0.00	\$0.00	\$0.00	\$11,924.80	
	EXPENSES						
Acct	30000 Series						
33938	Vector Abatement	\$11,924.80	\$0.00	\$0.00	\$0.00	\$0.00	\$11,924.80
	Total 30000 Series	\$11,924.80	\$0.00	\$0.00	\$0.00	\$0.00	\$11,924.80
	TOTAL EXPENSES	\$11,924.80	\$0.00	\$0.00	\$0.00	\$0.00	
							\$11,924.80
	Net Income		\$0.00	\$0.00	\$0.00	\$0.00	
	FUND BALANCE	\$11,924.80	\$11,924.80	\$11,924.80	\$11,924.80	\$11,924.80	

Health National Birth Equity

Bi-yearly the Community Foundation of SJC offers special project challenge grants. The special project challenge grant encourages projects that include community development, health & human services, parks, recreation, and entertainment, and youth & education.

LEAD: Robin Vida - SUPPORT: Sally Dixon

		Budget	April	May	June	TOTALS	Unexpended
Acct	REVENUE						
00000	Beginning Balance	\$20,000.00				\$20,000.00	
02710	Local Grant Reimbursement		\$0.00	\$0.00	\$0.00	\$0.00	
	TOTAL REVENUE	\$20,000.00	\$0.00	\$0.00	\$0.00	\$20,000.00	
	EXPENSES						
Acct	30000 Series						
36015	Contractual Services	\$20,000.00	\$10,000.00	\$5,000.00	\$0.00	\$15,000.00	\$5,000.00
	Total 30000 Series	\$20,000.00	\$10,000.00	\$5,000.00	\$0.00	\$15,000.00	\$5,000.00
	TOTAL EXPENSES	\$20,000.00	\$10,000.00	\$5,000.00	\$0.00	\$15,000.00	
							\$5,000.00
	Net Income		(\$10,000.00)	(\$5,000.00)	\$0.00	\$0.00	
	FUND BALANCE	\$20,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$5,000.00	

Beacon Safety Pin Grant

This grant was submitted by Beacon Health System and includes a partnership with Saint Joseph Health System, Elkhart Department of Health, St. Joseph County Department of Health, and Franciscan Health to decrease infant mortality through public health initiatives, clinical care, and community outreach. SJCDH FIMR is part of this collaborative to develop a birth equity plan and work to address the system issues that delay entry to prenatal care including insurance coverage and the delay in entry to prenatal care for mothers who access the system through emergency departments and crisis pregnancy centers.(CPC) SJCDH FIMR will also lead outreach, awareness, and training for purpose of eliminating inequities in birth outcomes.

LEAD: Robin Vida - SUPPORT: Sally Dixon

		Budget	April	May	June	TOTALS	Unexpended
Acct	REVENUE						
00000	Beginning Balance	(\$48.25)				(\$48.25)	
02710	Local Grant Reimbursement		\$0.00	\$0.00	\$0.00	\$0.00	
	TOTAL REVENUE	(\$48.25)	\$0.00	\$0.00	\$0.00	(\$48.25)	
	EXPENSES						
Acct	30000 Series						
33368	Public Info & Educ	\$9,147.75	\$3,602.10	\$5,521.65	\$0.00	\$9,147.75	\$0.00
36015	Contractual Services	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Total 30000 Series	\$9,147.75	\$3,602.10	\$5,521.65	\$0.00	\$9,147.75	\$0.00
	TOTAL EXPENSES	\$9,147.75	\$3,602.10	\$5,521.65	\$0.00	\$9,147.75	
							\$0.00
	Net Income		(\$3,602.10)	(\$5,521.65)	\$0.00		
	FUND BALANCE	(\$48.25)	(\$3,674.35)	(\$9,196.00)	(\$9,196.00)	(\$9,196.00)	

Health Trailblazer Planning

Funding opportunity through the Indiana CTSI Community Health Partnerships to elevate community-university partnerships to improve health, examine social determinants of health, or enhance health equity to result in future collaborative research proposals. The DoH is applying to strengthen their partnership with Notre Dame's Neuroscience Behavior Health program to preventing Adverse Childhood Experiences in St. Joseph County.

LEAD: Cassy White

		Budget	April	May	June	TOTALS	Unexpended
Acct	REVENUE						
00000	Beginning Balance	\$4,029.00				\$4,029.00	
	TOTAL REVENUE	\$4,029.00	\$0.00	\$0.00	\$0.00	\$4,029.00	
	EXPENSES						
Acct	10000 Series						
11170	Director of HEED	\$1,287.00	\$0.00	\$1,287.00	\$0.00	\$1,287.00	\$0.00
14800	FICA Taxes	\$98.00	\$0.00	\$98.00	\$0.00	\$98.00	\$0.00
14810	PERF	\$144.00	\$0.00	\$144.00	\$0.00	\$144.00	\$0.00
	Total 10000 Series	\$1,529.00	\$0.00	\$1,529.00	\$0.00	\$1,529.00	\$0.00
Acct	30000 Series						
32550	Miscellaneous Expenses	\$1,500.00	\$409.98	\$0.00	\$0.00	\$479.52	\$1,020.48
33368	Public Information & Education	\$1,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,000.00
	Total 30000 Series	\$2,500.00	\$409.98	\$0.00	\$0.00	\$479.52	\$2,020.48
	TOTAL EXPENSES	\$4,029.00	\$409.98	\$1,529.00	\$0.00	\$2,008.52	
							\$2,020.48
	Net Income		(\$409.98)	(\$1,529.00)	\$0.00	(\$2,008.52)	
	FUND BALANCE	\$4,029.00	\$3,549.48	\$2,020.48	\$2,020.48	\$2,020.48	

Safety PIN Grant

Using FIMR recommendations to create a community of accessible and respectful care through intentional and simultaneous action with systems and policy, providers and institutions, and women and families through the addition of an Maternal Infant Health Initiatives Coordinator to facilitate community action while maintaining the FIMR Coordinator position fulfill activities related to Case Review.

LEAD: Robin Vida - SUPPORT: Sally Dixon

		Budget	April	May	June	TOTALS	Unexpended
Acct	REVENUE						
00000	Beginning Balance	(\$10,576.49)				(\$10,576.49)	
01412	State Grant		\$21,548.67	\$3,408.78	\$12,571.56	\$37,529.01	
	TOTAL REVENUE	(\$10,576.49)	\$21,548.67	\$3,408.78	\$12,571.56	\$26,952.52	
	EXPENSES						
Acct	10000 Series						
11782	MIH Coordinator	\$66,598.30	\$4,698.00	\$3,132.00	\$3,132.00	\$21,101.55	\$45,496.75
12019	FIMR Coordinator	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14800	FICA Taxes	\$5,131.21	\$358.38	\$238.58	\$238.58	\$1,608.17	\$3,523.04
	Total 10000 Series	\$71,729.51	\$5,056.38	\$3,370.58	\$3,370.58	\$22,709.72	\$49,019.79
Acct	20000 Series						
24012	Promotion Supplies	\$15,326.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15,326.00
	Total 20000 Series	\$15,326.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15,326.00
Acct	30000 Series						
32020	Travel /Mileage	\$3,536.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,536.00
32203	Cell Phones	\$1,440.00	\$7.60	\$30.00	\$30.00	\$150.00	\$1,290.00
36015	Contractual Services	\$70,892.00	\$0.00	\$0.00	\$250.00	\$250.00	\$70,642.00
39150	Other Expense	\$2,500.00	\$1,000.00	\$0.00	\$0.00	\$1,000.00	\$1,500.00
	Total 30000 Series	\$78,368.00	\$1,007.60	\$30.00	\$280.00	\$1,400.00	\$76,968.00
	TOTAL EXPENSES	\$165,423.51	\$6,063.98	\$3,400.58	\$3,650.58	\$24,109.72	
							\$141,313.79
	Net Income		\$15,484.69	\$8.20	\$8,920.98		
	FUND BALANCE	(\$10,576.49)	(\$6,086.38)	(\$6,078.18)	\$2,842.80	\$2,842.80	

CHW Safety PIN

Funding opportunity through the Indiana State Department of Health's Safety PIN (Protecting Indiana's Newborns) grant program to implement programs focused on reducing infant mortality.

LEAD: Cassy White - SUPPORT: Sally Dixon

		Budget	April	May	June	TOTALS	Unexpended
Acct	REVENUE						
00000	Beginning Balance	\$0.00				\$0.00	
01412	State Grant		\$27.96	\$0.00	\$4,119.12	\$4,147.08	
	TOTAL REVENUE	\$0.00	\$27.96	\$0.00	\$4,119.12	\$4,147.08	
	EXPENSES						
Acct	10000 Series						
11167	Community Health Worker	\$148,000.00	\$2,769.24	\$2,552.33	\$2,769.24	\$8,090.81	\$139,909.19
14800	FICA Taxes	\$27,898.00	\$211.86	\$186.41	\$206.83	\$605.10	\$27,292.90
14810	Perf	\$17,376.00	\$310.16	\$285.86	\$310.16	\$906.18	\$16,469.82
14840	Group Insurance	\$72,000.00	\$0.00	\$0.00	\$3,000.00	\$3,000.00	\$69,000.00
	Total 10000 Series	\$265,274.00	\$3,291.26	\$3,024.60	\$6,286.23	\$12,602.09	\$252,671.91
Acct	30000 Series						
32020	Travel /Mileage	\$1,123.20	\$0.00	\$0.00	\$0.00	\$0.00	\$1,123.20
32050	Conferences & Trainings	\$5,590.00	\$0.00	\$0.00	\$1,319.35	\$1,319.35	\$4,270.65
32203	Cell Phones	\$1,558.00	\$60.00	\$60.00	\$60.00	\$180.00	\$1,378.00
33368	Public Info & Educ	\$1,200.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,200.00
39750	Information Technology	\$1,008.00	\$767.86	\$0.00	\$0.00	\$795.82	\$212.18
	Total 30000 Series	\$10,479.20	\$827.86	\$60.00	\$1,379.35	\$2,295.17	\$8,184.03
	TOTAL EXPENSES	\$275,753.20	\$4,119.12	\$3,084.60	\$7,665.58	\$14,897.26	
							\$260,855.94
	Net Income		(\$4,091.16)	(\$3,084.60)	(\$3,546.46)		
	FUND BALANCE	\$0.00	(\$4,119.12)	(\$7,203.72)	(\$10,750.18)	(\$10,750.18)	

Health NACCHO SPACECAT

Funding opportunity through the National Association of County & City Health Officials (NACCHO) to provide one-on-one technical assistance (TA) to help local health departments translate their Suicide, Overdose, and Adverse Childhood Experiences (ACEs) Prevention Capacity Assessment Tool (SPACECAT) results into actionable guidance to begin improving internal capacity to address the intersection of suicide, overdose, and ACEs.

LEAD: Cassy White

		Budget	April	May	June	TOTALS	Unexpended
Acct	REVENUE						
00000	Beginning Balance	\$0.00				\$0.00	
02711	Reimbursements		\$0.00	\$0.00	\$0.00	\$0.00	
	TOTAL REVENUE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	EXPENSES						
Acct	10000 Series						
11077	Administrative Assistant	\$4,656.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,656.00
14800	FICA Taxes	\$357.00	\$0.00	\$0.00	\$0.00	\$0.00	\$357.00
14810	PERF	\$522.00	\$0.00	\$0.00	\$0.00	\$0.00	\$522.00
14840	Group Health Insurance	\$2,248.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,248.00
	Total 10000 Series	\$7,783.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7,783.00
Acct	30000 Series						
32550	Miscellaneous Expenses	\$11,608.00	\$0.00	\$25.00	\$0.00	\$25.00	\$11,583.00
	Total 30000 Series	\$11,608.00	\$0.00	\$25.00	\$0.00	\$25.00	\$11,583.00
	TOTAL EXPENSES	\$19,391.00	\$0.00	\$25.00	\$0.00	\$25.00	
							\$19,366.00
	Net Income		\$0.00	(\$25.00)	\$0.00	(\$25.00)	
	FUND BALANCE	\$0.00	\$0.00	(\$25.00)	(\$25.00)	(\$25.00)	

FOOD SERVICES UNIT

	Month	YTD 2022	YTD 2021	YTD 2020	YTD 2021	% Difference 2022 VS 2021
Food Store Complaints	3	12	18	47	6	-33.3%
Food Service Complaints	10	91	107	179	92	-15%
Civil Penalties	2	2	3	8	2	-33.3%
Health Officer Hearings	0	0	2	0	1	-100%
Abatements Correspondence	3	8	8	6	25	0%
Possible Foodborne Illness Investigations	0	4	10	1	5	-60%
Opening Inspections	6	74	64	41	108	15.6%
Inspections	118	1251	1060	1702	1369	18%
Plan & Review/New Constr./Remodel	3	20	12	17	21	66.7%
Fire Investigations	1	5	7	2	5	-28.6%
# Establishments Requested to Close	0	0	2	0	2	0%
Number of Temporary Events	30	98	122	95	133	89.7%
Temporary Inspections	58	203	107	44	403	89.7%
Mobile Inspections		6	11		49	-45.5%
Meetings	7	40	48	29	19	-16.7%
Smoking Information						
Smoking Complaints	0	0	3	6	0	-100
Smoking Appeals Hearings						
Pool Information						
Pool Inspections	41	42	37	13	16	13.5%
Pool Consultations	0	0	1	30	4	-100%
Pool Complaints	0	0	2	1	0	-100%
Pool Closings	7	7	18	2	5	-61.1%

6-5-2022 Director of Food Services responded to report of a fire at Starbucks on South Bend Avenue. No entry allowed by Fire Department; Cause of the fire unknown at the time; fire investigator's preliminary report estimated that the establishment would be closed for several weeks.

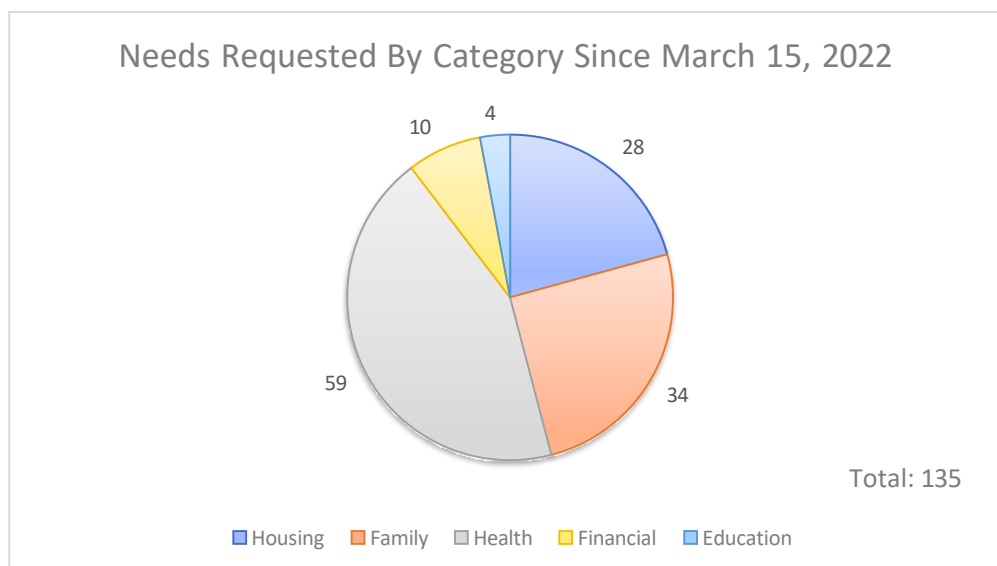
6-9-2022 Interviews conducted for vacant FSIO position(s) resulted in offers of employment being extended and accepted. Applicant (1) BA Environmental Science; Serve Safe Certified; Currently working on MA in Public Health Management at American Public University. Applicant (2) – 20 years Military Food Inspector; 2.5 years USDA inspector; Currently enrolled in Purdue Global- Health Science/Public Health/Environmental

6- 23- 2022 Food inspection staff attended webinar trainings hosted by the Indiana Environmental Health Association (IEHA) and the IDoH. The main focus was House Enrolled Act (HEA) 1149, effective 7/1/2022 relating to Home Based Vendors (HBV). Pertinent changes to the HBV law, discussed during the webinar, included the requirement for all HBV's to obtain a food handler certificate and the expansion of where HBV's may sell their products. Previously HBV's could only sell their products at a roadside stand or a Farmers market. HBV's may now sell their products at fairs, festivals, deliver products or use a third party delivery service. Foods are still limited to products that do not require temperature control (i.e. cookies, breads, cakes, popcorn etc.). HBV's are not subject to the oversight of any Local Health Department (LHD) and need no inspections or permits, however the HBV is expected to submit proof of their food handler certification to the office of the LHD.

HEALTH EQUITY, EPIDEMIOLOGY, AND DATA (HEED) UNIT

Social Needs Assessment:

Follow-up phone calls continue to occur to connect individuals with community resources based on the needs identified in the assessment. The Community Health Workers (CHWs) received 18 new assessments this month through the Mishawaka Clinic, CCB Clinic, lead home visits, COVID-19 Testing at La Casa, Health Cafes and Wash Wednesdays.



CHW Lead Referrals:

The CHWs continued with the lead referrals from the Public Health Nurses (PHNs). They hand deliver a lead certificate to families who need their child to confirm their lead level prior to case management or case monitoring. The CHWs continued home visits for all unconfirmed cases with a blood lead level 5ug/dL and greater referred from the PHNs. In the beginning of April, we modified the lead program. The CHWs are now the initial contact for children with lead levels 5 to 9.9 ug/dL reducing the number of referrals.

Month	# Of Referrals	# Children Rec'd Lead Test after CHW Visit
January 2021	5	4
February 2021	13	6 (4 moved out of county)
March 2021	3	3
April 2021	5	3
May 2021	8	6 (1 moved out of county)
June 2021	15	12
July 2021	1	1
August 2021	9	6
September 2021	4	1 (1 aged out)
October 2021	18	11
November 2021	10	3
December 2021	11	4
YTD 2021	102	60
January 2022	7	1
February 2022	0	0
March 2022	10	4
April 2022	3	1

May 2022	3	2
June 2022	1	1
YTD 2022	24	9

COVID Testing:

The CHWs and Congregate Outreach Coordinator provide Rapid Antigen testing to symptomatic individuals. They focus on under-resourced populations. The CHWs provided testing once a week at La Casa's 2910 Western location. It decreased to one day due to decreased need from the community.

Month	Total Positive	Total Negative	Total
September 2021	8	90	98
October 2021	12	220	232
November 2021	36	176	212
December 2021	77	292	369
YTD 2021			925
Month	Total Positive	Total Negative	Total
January 2022	103	193	296
February 2022	3	7	10
March 2022	2	4	6
April 2022	2	1	3
May 2022	0	0	0
June 2022	0	11	11
YTD 2022			326

Highlights:

Director of HEED remains involved in COVID-19 response by managing and analyzing COVID data and collaborating with other Units as a contact/resource for the local school systems and long-term care facilities.

In the month of June, the CHWs assisted five community members with insurance. Of the 12 CHWs, all 12 are now licensed insurance navigators.

Public Health Fellows Updates:

ACEs:

In June 2022, the ACEs project focused on connecting the Department of Health's ACEs efforts with national organizations and best practices. Frank Spesia traveled to Atlanta to present the Department of Health's ACEs work to the CDC. While in Atlanta, Frank also met with researchers at Emory studying ACEs, maternal and child health, and suicidality and with public health officials working to develop an ACE prevention plan for the Georgia State Department of Health. These meetings helped connect the Department of Health's work with the CDC's broader network of ACE prevention efforts. Connecting with national-level experts also reinforced the value of focusing on Positive Childhood Experiences and targeting the overlap between ACEs, suicide, and overdose.

The Fellow continues to plan PACEs Day. PACEs Day will be held on August 19 and will connect local practitioners working in ACEs, suicide, and overdose. The goal of PACEs Day is to facilitate more thoughtful and actionable partnerships across siloed organizations. The Fellow also is finalizing the data analysis and reporting for the school PCEs pilot. The pilot data reveals some actionable areas for the Department of Health and South Bend schools to strengthen protective factors among adolescents. The Department hopes to conduct a district-wide survey in the fall.

Clinical partnerships continue with Primary Care Partners of South Bend and the E Blair Warner Clinic.

ACE Screening Partnerships	
Active Screening Partnerships	2
Potential Screening Partners Approached	0

ACEs Engagement Metrics	
Presentations given	0
Webinars/Professional Learning Groups Attended	4
Meetings with Community Partners	7
Planning Sessions or meetings for grants	2

The Fellow developed a post-presentation survey when he provides the ACEs training to community partners. Below displays the responses from community partners who received his training.

ACE Presentation Effectiveness	
Survey Question	Responses (28 total respondents)
<i>I knew a lot about ACEs before the presentation</i>	75% disagree or neutral
<i>My time was well served by attending this presentation</i>	96% agree
<i>I learned something new about ACEs</i>	100% agree
<i>I can think of ways to use this information in my life</i>	93% agree
<i>I am interested in learning more about ACEs science or ACE prevention strategies in SJC</i>	93% agree
<i>The presenter was knowledgeable about the content</i>	100% agree
<i>The presenter delivered information clearly and effectively</i>	100% agree
<i>The content was relevant for my profession</i>	100% agree
<i>It was easy to hear and understand everything the presenter was saying</i>	100% agree
<i>I would recommend this presenter to a colleague or friend</i>	100% agree

Health Equity:

In June, the Fellow shared the health equity report with the department of health employees and participated in a media briefing for the report.

The Fellow continued to support the data organization of the health cafe information. She also conducted a reflective session with community health workers on the various adaptations of their role in the society in response to society needs.

Health Cafe Updates:

From the cafe, emerging issues from the community members include housing needs, access to healthy food options, gun violence and lack of general health information.

Members with Section 8 vouchers indicated waiting for long and sometimes the vouchers expire as they wait, or the voucher is accepted but they cannot get housing. Additionally, other aspects of the neighborhood and built environment came up. These include many old houses and boarded properties in some areas, hazardous living conditions such as mold, and lack of transportation.

One health cafe progressed to inviting local city and county officials to meet with community members. The community members discussed their main environmental needs. This is one way of equipping communities to advocate for themselves.

In several communities, gun violence was highlighted as a health concern with respondents noting that the shootings have increased over time (time in relation to how long they have lived in a neighborhood). Other respondents indicated not feeling safe in the community with some associated

this to gun violence and others to lack of adequate streetlights. Two areas are working with the city team to address this in the neighborhoods.

One community has reiterated the need for accessible physicians in the area. Transportation and access to food resources are highlighted needs in this community. Different communities have highlighted mental health gaps and needs and the desire to see more resources directed towards improved care.

Finally, several respondents have indicated lacking knowledge and awareness on available resources to address their needs in the community. This information includes some of the resources mentioned above such as how to navigate housing, what food resources individuals can access, and addressing environmental concerns.

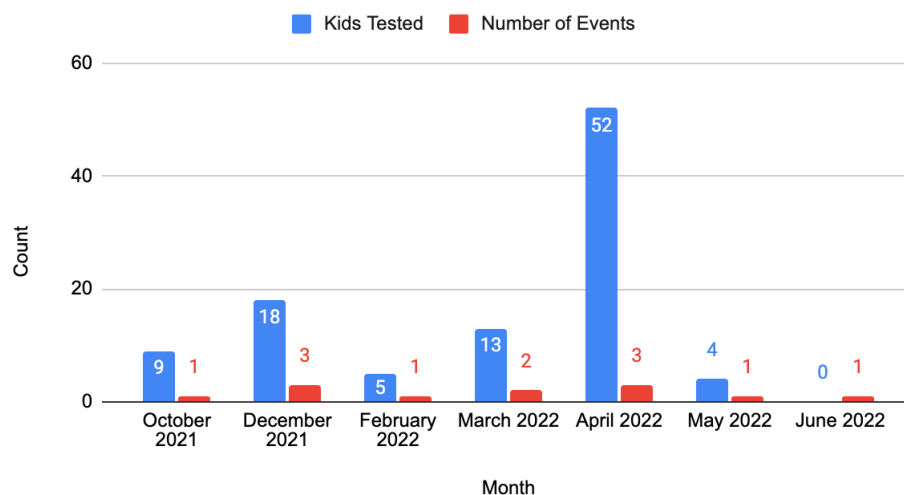
Lead:

In the month of June, the Fellow worked to plan and schedule recurring lead outreach and testing events in collaboration with Mishawaka Parks and Recreation. This culminated in monthly attendance at their Toddling Tots community event. However, Juan Esteban also faced increased community hesitancy to schedule lead testing events as school is now out of session and most daycares have transient students for the summer. His outreach to 24 daycares and community organizations dealing with children gave rise to a couple potential leads but no willing partners for the month of June - resulting in Toddling Tots as the only event. Two families indicated interest in at-home testing however no parents and guardians wanted their children tested in person. Some additional community partners are still in conversation with Juan Esteban and three testing events are scheduled for July. Every Toddling Tots event includes a food demonstration presented at the event with foods high in nutrients useful in preventing blood lead poisoning. This is coupled with distribution of a lead-safe cookbook showcasing recipes that help prevent lead poisoning. Information on lead poisoning and poisoning prevention is also presented by SJC DoH CHWs.

The Fellow also participated in One Day in the Sun to spread awareness of lead poisoning prevention, CHW participation in the community, and distribute at-home covid tests. Additionally, he worked on creating a 1-year work plan for the recently received ISDH lead grant.

Below is a chart to show lead testing events hosted by HEED staff.

Kids Tested and Number of Events October 2021 to Present



Community Boards, Meetings, Reports, and Committees

- Participated in the Health Alliance meeting.
- Participated in the Lead Affinity meeting.
- Participated in SJC Food Access Council meeting.
- Participated in Child Fatality Review Council meeting.

- Participated in Fetal Infant Mortality Review meeting.
- Director of HEED serves as Data, Analytics and Grants (DAG) subcommittee chair for the Health Improvement Alliance.
- Assistant Director of Health Equity serves on the SJC Cares DEI committee.

HEALTH OUTREACH, PROMOTION & EDUCATION (HOPE)

Attended Activities/Meetings:

State of Child Presentation by Indiana Youth Institute
Indian Public Health Association Board of Directors Meeting
NACCHO SPACECAT Learning Collaborative
Child Fatality Review Team Meeting
Fetal Infant Mortality Review Team Meeting
525 Foundation Prevention Conference

Highlights:

Director of HOPE has been re-working our Overdose Response Plan process and better utilization of the ESSENCE surveillance system. We are now using the same system to do suicide/self-harm alerts and is working on a response plan for those alerts. Meetings with IDOH occur monthly to trouble-shoot, etc.

Director of HOPE has continued work on a Department of Health workplan for addressing opioid use disorder.

HOPE team continued with “Brunch in the Boardroom” to focus on team building within the department of health and encourage collaboration on activities. This occurs every 2nd & 4th Thursday of each month.

Director of HOPE and HEED continued to work on comprehensive strategy on addressing the intersection of ACEs, suicide, and overdoses. A NACCHO grant was awarded to assist us in these efforts. Paces planning meetings have begun to take place as an outcome of this grant award.

Director of HOPE and Deputy Health Officer met with J2 Marketing firm to discuss immunization outreach efforts and marketing.

Hosted media roundtable for the Department’s Health Equity Report. Was attended by WVPE and WNDU.

Health promotion specialists continue to assist with the development of outreach/education materials for CHWs as well as curriculum for CHWs.

Director of HOPE continued work on a branding campaign for the Department of Health- this includes a series of videos highlighting the work of the department and the important role public health plays in the community.

Director of HOPE and HOPE team continue to develop a culture of public health in St. Joseph County; refine communications internally and externally.

FIMR Updates:

FIMR Case Review and FIMR Reporting.

- Case abstractions and summary preparation.
- Lauren Rose continued orientation to abstract medical records and began reviewing and preparing cases.

- Case Review Meeting June 17. – Completed remaining 4 cases from 2021. Will begin 2022 cases on July 15.
 - No new recommendations from this meeting.
- New Case Review Team members: Samantha Blasko -Nurse Supervisor Family Birthplace at St. Joe and Pam Sziadosz, Nurse Manager Family Birthplace at St. Joe, met with Sally Dixon for orientation.

SJDOH FIMR and WCC CHW Project

- Continuing to work with Cassy White, HEED Director, and Jenny Hunsberger from WCC to finalize agreements, including use of data to evaluate the program. After our most recent meeting, it was determined that it would be beneficial for the attorneys from SJCDoH and WCC to speak to directly regarding these documents to facilitate completion.
- The 2nd CHW to be embedded at WCC accepted the offer extended by SJCDoH and will begin orientation in July.
- Attending check in with SJCDoH CHW and HEED leadership, bimonthly.

FIMR Community Action: Maternal Infant and Preconception Health Workgroup (Minutes attached)

- Met on June 14 to begin conversation about access to mental health services, capacity, and connection in St. Joseph County. The Maternal Infant Health Initiatives Coordinator was on vacation at the time of this meeting. Another team member is preparing the minutes.

FIMR Community Action: Birth Equity & Justice SJC Community Engagement workgroup

- Met on June 16 to view the film “Toxic – A Black Woman’s Story.” Team members attended via Zoom and in person. After the 25-minute film, team members shared their reaction. Several members, who are Black women, commented on their own emotional reaction due to their own identification with the woman in the story. We discussed places where the film could be utilized to increase awareness of the life experience of Black women and stress connected to preterm delivery. Locations included employers, Civil Rights Heritage Center, the library. We also discussed creating a format to invite women from the community to share stories in smaller settings to learn about their experiences. The movie would not be appropriate for women who are currently pregnant and is best used for people without the lived experience presented in the film. For the next meeting, members were asked to bring ideas about both types of events so that we can establish goals and plans.
- Following the conference, a timely thank you was sent to our sponsors and vendors; however, we had a longer-term goal of sharing photos from the conference, so they’d have a better sense of the participation and enthusiasm. The Maternal Infant Health Initiatives Coordinator created slides, using the event photos, that will be sent to sponsors after the July 4th holiday. The report is attached.

Policy & Legislation Subcommittee

- The usual meeting of the legislation committee took place on June 8th. Those in attendance continued to work on content for the information we planned to share with legislators regarding exceptions to abortion. On behalf of the DoH, Sally Dixon contacted every SJC state rep and senator to invite them to have a conversation about this topic. Conversations took place with Senator Linda Rogers, State Rep Jake Teshka, and State Rep Maureen Bauer. Each SJC official was sent the documents included in the press release on June 30th.
- Based on conversations with colleagues, we also are working on an informational document about considerations for strengthening standards for adoption policy.

- Next meeting is July 13th.

National Birth Equity Collaborative Birth Equity Assessment & Workplan

- Staff surveys continue with a deadline of June 30.

Community Boards, Meetings, Reports, Presentations, and Committees and Connections

Maternal Infant Health Initiatives Coordinator:

- Robin Vida and Sally Dixon met with Dr. Erin Clark from Memorial Hospital emergency department about how we could improve connections for pregnant patients treated in the ED by connecting them to a CHW. Next steps are a meeting in July with other ED staff including Social Workers, care management and someone from the SJCDoH HEED team.
- Sally met with the Practice Managers from South Bend Clinic, OBNI, and MOG as well as PEDS to share information about FIMR findings as well as available resources. Following the meeting, educational flyers for patients on topics including folic acid, birth spacing, safe sleep, smoking and SUID, and connections during pregnancy were shared for distribution to patients. Information was also shared about the recent extension of postpartum Medicaid coverage to 1 year, and the 2019 law that allows teens to consent for prenatal care. The practice managers were agreeable to updates from SJCDoH via email about new legislation, FIMR findings, etc.
- Sally met with the leadership and OB coordinator from Healthline Southeast, regarding topics mentioned above.
- Sally appeared on U93 RoofSit for 4th year to talk about safe sleep.
- Continued working on next annual report.

NURSING

Immunization Clinic

Immunizations					
	June 2022	YTD 2022	YTD 2021	YTD 2020	YTD 2019
Mishawaka Clinic					
Patients Seen:	0	0	323	109	0
Vaccines Administered:	0	0	776	245	0
Record Requests:	0	0	46	5	na
Mobile Clinic					
Patients Seen:	27	155	33	97	163
Vaccines Administered:	41	439	54	233	294
South Bend Clinic					
COVID Administered:	341	3084	57548	na	na
Immunizations Administered in:	623	2295	7	590	1424
Patients seen in CCB & SB Clinic:	401	3631	50773	265	563
Record Requests:	43	452	3	48	118
Combined Totals:					
Patients Seen:	428	3786	51129	471	726
Immunizations Administered:	664	5187	58385	1068	1718
Record Requests:	43	452	49	53	118
Tuberculosis					
TST Administered	41	168	84	102	135
TB Assessments	<5	7	<5	0	<5

Mobile Clinic

This month the mobile team held several covid clinics at the request of community partners. We also held a couple clinics for routine immunizations.

June was the month of planning meetings to discuss upcoming events, clinics, and projects. We started meeting on a weekly basis to discuss the mobile team strategic plan and work plan. We started meeting weekly with the Doctors, HEED, HOPE, and a summer intern (Tom Oppman) to discuss our HPV outreach and strategic plan. We had several meetings to discuss upcoming clinics, plan a back-to-school immunization event at the Mishawaka clinic, and to plan our school-based clinics this fall with South Bend schools.

The nurses worked on getting the Mishawaka clinic ready to re-open. This involved ordering new vaccines and moving vaccine inventory, which is a multi-step process. The nurses also worked on cleaning up, re-stocking, and showing newly hired nurses the Mishawaka location. We plan to have the Mishawaka clinic open at least one day a week starting in mid-July.

The team went out and cleaned up old mobile unit to get it ready to use for summer. We are still waiting for word on what needs to happen for our new van to be operational. It has been a struggle to get that process moving forward.

For routine immunizations, the mobile team saw 27 patients and administered 41 immunizations. They also administered 104 covid vaccinations across several covid clinics.

Clinics

6/2/22 St. Joseph Co. Jail – Covid Clinic

6/9/22 Oaklawn

6/15/22 911 Dispatch Center – Covid Clinic

6/16/22 Highway Garage

6/21/22 Briarcliff Nursing Home – Covid Clinic

6/29/22 St. Joseph Co. Jail – Covid Clinic

Public Health Nursing

LEAD CASE MANAGEMENT 10mcg & ABOVE					
	June 2022	YTD 2022	YTD 2021	YTD 2020	YTD 2019
New Cases Received	0	3	<5	<5	<5
Closed Cases	<5	<5	<5	<5	<5
Open Cases being followed	23	23	32	21	32
CASE MONITORING 5 – 9.9 mcg/dl					
New Cases Received	10	48	23	21	23
Total Monitored Cases	90	90	106	97	93
TUBERCULOSIS					
Directly Observed Therapies	136	815	195	402	874
Nurse Visits	20	165	42	101	80
QFT Ordered	<5	37	6	13	13
CXR	0	3	0	5	3
New Active Cases	1	6	<5	<5	<5
<i>Active TB Cases Following</i>	7	11	<5	<5	10
<i>Latent TB Cases Following</i>	8	33	<5	20	22
ANIMAL BITES					
Animal Bites	62	252	146	122	143
Specimens Sent to ISDH Lab	13	32	13	21	22
Specimens Positive	0	0	0	0	0

The Nursing Unit is now fully staffed and since training is almost done, we are ramping up to increase patient appointments. We have ordered and stocked the Mishawaka location with all the vaccines needed to open on July 11, 2022. The Mishawaka location will be opening on Mondays until the new BSN hired is fully trained and ready to function independently. Now that travel has opened back up, the immunization clinic has been giving more travel consultations and private vaccines. The Nursing Unit is finally feeling like programs are getting back to pre-Covid times.

Since state has lowered the threshold for case monitoring and case management for lead, our PHN team has been working with the HEED team to help decrease lead blood levels in children under 7. State has also asked our team to monitor some patients out in the community that have been

potentially exposed to Monkey Pox virus. So far, there have been no positive infections. The next steps are to continue following patients with education and resources for primary, secondary, and tertiary intervention to hopefully prevent any extra infective disease processes.

VITAL RECORDS UNIT

	<u>Records Filed in June 2022</u>	<u>YTD 2022 Occurrences</u>	<u>YTD 2021 Occurrences</u>	<u>YTD 2020 Occurrences</u>	<u>YTD 2019 Occurrences</u>
<u>Birth Statistics*</u>					
Total Births	358	2080	1717	1809	2042
<u>Death Statistics*</u>					
Total Deaths	238	1706	1688	1555	1530

Birth & Death data reflected as of 07/11/2022.

Statistics are subject to change. Statistics were generated from our local hospitals, Chronica, and DRIVE.

HEALTH OFFICER

Report in the Health Officer Presentation and Report portion.

Respectfully,

Robert M. Einterz, MD Health Officer

Tests drawn May 1, 2022 – May 31, 2022

<i>Pb Level (ug/dL)</i>	<i>Venous</i>	<i>Capillary</i>	<i>Unknown</i>	<i>Total</i>
<i>0</i>	25	26	0	51
<i>0.1-3.4</i>	18	119	71	208
<i>3.5-4.9</i>	2	8	0	10
<i>5-9.9</i>	5	3	1	9
<i>10-19.9</i>	2	1	0	3
<i>20-29.9</i>	0	0	0	0
<i>30-39.9</i>	0	0	0	0
<i>40-49.9</i>	0	0	0	0
<i>≥50</i>	0	0	0	0
<i>Total</i>	52	157	72	281

There were no duplicate tests in the month of May, 281 unique children were tested.

2022 YTD = 1,380

2021 YTD = 1,522

This report contains data from May of 2022. Please note that there was a substantial amount of unidentified tests. The issue has been resolved, but because lead reports are always two months behind it is still reflected in this month's report.

Elevated tests by zip codes:

46628	6 elevated	YTD: 23 elevated
46544	1 elevated	YTD: 11 elevated
46613	3 elevated	YTD: 11 elevated
46601	0 elevated	YTD: 7 elevated
46616	0 elevated	YTD: 5 elevated
46614	1 elevated	YTD: 5 elevated
46615	1 elevated	YTD: 4 elevated
46619	0 elevated	YTD: 3 elevated
46617	0 elevated	YTD: 1 elevated
46561	0 elevated	YTD: 1 elevated
46545	0 elevated	YTD: 1 elevated

CURRICULUM VITAE

Ronald A. Hellenthal

July 7, 2020

Date and place of birth: June 9, 1945; Tucson, Arizona.

Education:

A.A. (1965), Los Angeles Valley College, Van Nuys, Calif.

B.A. (1967), Biology, Calif. St. Univ. at Northridge. Advisor, J. W. Dole.

Ph.D. (1977), Entomology, Univ. of Minn., Twin Cities. Advisor, E. F. Cook. Dissertation title: Considerations of Variability and Taxonomic Methodology in the Systematics of the Orthocladiinae (Diptera: Chironomidae).

Employment:

Research Assistant (1967-1969), Teaching Associate (1970), Teaching Assistant (1971-1975), Programmer/Data Processing Consultant (1976-1977, 1986), Dept. Entomology, Fisheries & Wildlife, Univ. of Minn., Twin Cities Campus.

Research Assistant (1973), St. Paul Campus Libraries, Univ. of Minn.

Visiting Assistant Professor (1977-1978), Biology Dept., Univ. of Notre Dame.

Research Associate (1978-1980), Dept. Entomology, Fisheries & Wildlife, Univ. of Minn., Twin Cities.

Assistant Professor (1978-1984), Biology Dept., Univ. of Notre Dame.

Associate Professor (1984-1993), Dept. Biological Sciences, Univ. of Notre Dame.

Acting Director (1988-1989), Univ. of Notre Dame Environmental Research Center.

Gillen Director (1989-2001), Univ. of Notre Dame Environmental Research Center.

Professor (1993-2012), Dept. Biological Sciences, Univ. of Notre Dame.

Assistant Chairman (1998-2012), Dept. Biological Sciences, Univ. of Notre Dame.

Professor Emeritus and Director of the Notre Dame Museum of Biodiversity (2012-)

Professional Experience and Interests:

My research interests fall into three general areas: (1) Stream energetics and secondary production of stream aquatic insect communities; (2) Biological indicators of water quality and the assessment and quality control of biodiversity and environmental information; and (3) Ectoparasite-host associations and the use of parasites as indicators of host relationships.

Our past investigations in streams focused on the importance of aquatic insects as the source of energy for higher trophic levels in the stream ecosystem. Using species and cohort-specific secondary production rate estimates, we established the relative contribution of major insect groups, as well as the overall importance of the insect community, to stream energetics. In the process, we have refined and developed methods that permit this kind of information to be used in the evaluation and comparison of stream habitats. We were engaged in studies of the biological effects of stream silt, concentrating on levels of suspended silt that are non-depositional but that compete with allochthonous suspended foods, which constitute the principal energy source for filter-feeding

aquatic insects. To accommodate construction of a new golf course on the Notre Dame campus, two 300m reaches of a stream were relocated into constructed stream channels. We evaluated the impact and recovery of these areas by examining changes in stream biological, physical and chemical characteristics. This included studies in succession, and changes biological diversity and secondary production rates of aquatic insects species. We also examined the use and effectiveness of constructed sediment retention ponds for maintaining restored stream areas.

One of my long term interests is in developing means of ensuring the quality control of environmental information; especially for providing accurate identifications of aquatic organisms and for defining ecosystems based on these organisms. This included development of computer-based identification systems for aquatic organisms and programs for the storage, retrieval, analysis, and quality control of environmental information. Development of computer program packages for museum management and for extracting biodiversity and environmental information associated with the specimens contained in natural history collections is another area in which I have a long term interest and commitment. To this end, I developed numerous computer programs for the storage, retrieval, and analysis of specimen character and geographic data, and for mapping organism distributions. These formed an integral component of our host-parasite and environmental studies. I also developed computer programs used for the maintenance of specimen catalogs and borrower information for insect collections. I have served on three national committees to standardize the storage and exchange of taxonomic, ecological, biodiversity, and environmental information for biological specimens contained in natural history collections. These are the Entomological Collections Network Working Group on Automatic Data Processing Standards for Systematic Entomology, the Association of Systematics Collections Committee on Computerization and Networking, and a working group for the development of a computerized catalog of the insects of the United States, Canada, and Mexico. I also chaired a subcommittee of the Indiana Academy of Sciences developing data standards and implementation protocols for the electronic representation of a developing "Indiana Biological Survey." An early project resulting from this effort is the development of an "Aquatic Insects of Indiana" that includes lists of all species known or likely to occur in the state. This project, which included Robert D. Waltz (Indiana State Entomologist), Arwin V. Provonsha (Purdue University), and James D. Haddock (Indiana University-Purdue Fort Wayne) as collaborators, combined published distribution records with information from specimens contained major entomological collections including the Purdue Entomological Research Collection and arthropod collection of the Illinois Natural History Survey. A preliminary checklist containing 2,307 aquatic insect species in 622 genera was published in 2003. A more comprehensive work containing illustrated keys and information on biology and distribution is in preparation.

Another aspect of "biological indicators" is the use of parasites as indicators of distributional and evolutionary changes in host populations. For more than decades I investigated the distributional, evolutionary and systematic associations between host populations and insect ectoparasites, concentrating on the Mallophaga (chewing lice). A principal focus of this work was the development of methods to track and evaluate host-parasite systems through time and space and to use parasite association as an indicator of genetic affinities among host populations. Our studies of the associations between chewing lice and their mammalian avian hosts showed that analysis of the parasites can be used to demonstrate differences among host populations so subtle as to be undetectable except by cellular genetic analysis. Computers have played an important role in my studies of host-parasite associations and co-evolution. They have been used to store and analyze distributional, morphological, and genetic data from both hosts and parasites and to evaluate subtle changes in parasite anatomical structure in relation to the degree of host geographic isolation and

anatomical and genetic difference. The methods and computer programs being developed in these studies have direct application to examination of other host-parasite relationships, including those that affect humans. They are particularly applicable to determining the probable origin and rate and extent of geographic spread of parasitic diseases and in understanding changes in parasites and their effect on mammalian hosts over time and space. Through collaborations with other louse workers (Roger D. Price, Ricardo L. Palma), we conducted many investigations of host-parasite associations for much of the Pthiraptera. At present, over 11,750 associations have been documented and entered into host-parasite association databases. Sources of this information include museum records, unpublished associations determined from identifications by professional ectoparasite workers, and more than 1500 publications. This effort resulted in a 500 page book on the world-wide ectoparasite associations between lice and their bird and mammal hosts that includes the first modern taxonomic keys for this ectoparasite group was published by the Illinois Natural History Survey in 2003. It includes a 25 page chapter on chewing louse biology, ecology, and evolution authored by Kevin P. Johnson and Dale H. Clayton.

From 1988 through 2001, I served as the director of the University of Notre Dame Environmental Research Center (UNDERC), a 7,500 acre tract in northern Wisconsin and the Upper Peninsula of Michigan that contains a rich assortment of protected habitats. This period was marked by substantial increases in teaching, extramurally funded Notre Dame and non-Notre Dame faculty research, development of research collaborations with the Ottawa National Forest, and major improvements in the field station infrastructure, including a new research and teaching building completed in 1995. I also was involved in the fund raising for and design of the Jerry Hank Family Center for Environmental Science on the Notre Dame main campus, completed in June, 1998. The approved budget for this project was \$7,750,000.

I was a member of a committee working with architects on the design of the \$70,000,000 Science Learning Center at Notre Dame. Completed in 2006, this building includes 16 biology teaching laboratories, a natural history museum and herbarium complex, greenhouses, and biological sciences support laboratories that occupy 35,000 sq. ft. of assignable space. During 2006, I coordinated the move of teaching laboratories and support spaces from the Galvin Life Sciences Building to Jordan Hall as well as the purchase and set-up of \$780,000 of new teaching instrumentation for biology teaching laboratories and support areas. I also coordinated the move of approximately 600,000 natural history specimens, collections organization, and the development of displays for the new Jordan Hall of Science Museum of Biodiversity

Since retiring from Notre Dame in 2012, I continue to teach graduate and undergraduate courses at Notre Dame in General, Aquatic and Medical Entomology, advise undergraduate thesis and research projects, and have overall responsibility for Notre Dame Museum of Biodiversity, a 2/3 million specimen natural history collection housed in Jordan Hall of Science on the University of Notre Dame campus.

Teaching Experience:

University of Notre Dame (1977-): General Entomology, Stream Ecology; Aquatic Ecology; Aquatic Entomology; Biological Indicators of Water Quality; Environmental Law and Regulations; Production Biology in Aquatic Environments; General Biology (Evolution, Population Genetics,

Biodiversity, Ecology and Environment sections), Biological Research Applications of Computers; Introduction to Statistics for Health Science Professionals; General Ecology.

University of Notre Dame Environmental Research Center (1982-2005): Practicum in Aquatic Biology: Limnology, Aquatic Insects, Stream Ecology, Field Entomology.

University of Minnesota (1970-1975): Economic Entomology; House and Garden Insects.

Grants and Sponsored Programs:

National Science Foundation, Grant DEB-7710179, "Systematics of Chewing Lice and Their Use as Indicators of Host Relationships," Co-principal Investigator with R. D. Price (Univ. of Minnesota), August 1, 1977 - January 31, 1981.

National Science Foundation, Grant SPI-8101154, "Environmental Studies: The Indiana Ecosystem as a Natural Laboratory" (Principal Investigator R. W. Greene), Staff Lecturer on Ecological Principles and the Ecology of Lakes and Streams, September, 1979 - June, 1980; Renewal: September, 1980 - June, 1982.

National Science Foundation, Grant DEB-8117567, "Use of *Geomydoecus* Lice to Assess Pocket Gopher Relationships," Principal Investigator, June 1, 1982 - November 20, 1984.

U.S. Environmental Protection Agency, Grant CR-810711-01-0, "A Computerized Evaluation and Prediction System For Environmental Data From Fish and Other Aquatic Organisms," Principal Investigator, August 8, 1983 - August 7, 1985.

U.S. Environmental Protection Agency, Contract 5B 1272 NAEX, "Environmental Requirements and Pollution Tolerance Prediction and Evaluation Mainframe Installation Guide and Feasibility Study on Microcomputer Implementation," January 9, 1986 - December 31, 1986.

National Science Foundation, Grant BSR-8614456, "Systematics of Mallophagan Lice and Their Coevolution with the Mammalian Family Geomyidae," Principal Investigator, January 1, 1987 - December 31, 1988.

National Institutes of Health, AI 07030-15, "Experimental Parasitology and Vector Biology Training Program" (Principal Investigator Karamjit S. Rai); Advisor to trainees in computer applications to parasitology and vector biology, Mentor to students in aquatic biology and evolutionary concepts; Since September 1, 1987.

Hank Family Endowment (A \$1,700,000 endowment that funds the undergraduate program in environmental education and administrative operations of the University of Notre Dame Environmental Research Center), Administrator, August 23, 1988-May 31, 2001.

St. Joseph River Basin Commission, "Biological Reconnaissance and Evaluation of Juday Creek," Principal Investigator, June 10, 1992 - March 31, 1994.

U.S.D.A., Forest Service, Ottawa National Forest, "Development of links between available aquatic data and the Forest Service's existing terrestrial Ecological Classification and Inventory," Principal Investigator, May 1995 - December 1995.

U.S.D.A., Forest Service, Ottawa National Forest, "Long Term Habitat Change in the Ottawa National Forest," Principal Investigator, June 1996 - June 1998.

University of Notre Dame, "Environmental Compliance Monitoring of Juday Creek," Principal Investigator, July 1, 1997 - June 30, 2003.

Indiana Academy of Science, "The effects of stream restoration on sediment dynamics and secondary production of benthic invertebrates in a northern Indiana stream," Principal Investigator with Kerry J. Gerard, graduate student. December 1, 2002 - June 30, 2004.

Indiana Academy of Science, "Aquatic Macroinvertebrates Workshop: Overview of the State of Science." October 2003.

Scientific and Professional Societies:

Society for Freshwater Science (formerly North American Benthological Society)
 Society of Systematic Biologists
 Entomological Society of America
 Michigan Entomological Society
 Kansas Entomological Society
 Indiana Academy of Science: Biological Survey Committee
 Coleopterists Society
 Entomological Society of Washington

Invited Lectures and Addresses:

Invited speaker (1977), Department of Entomology, Ohio State University, Columbus, Ohio. Title: Lice, Midges, Pattern Recognition and the Environmental Data Catastrophe.

Invited speaker (1979), Wellesley College, Wellesley, Massachusetts, Symposium on Integrating Computing into the Undergraduate Curriculum. Title: Using Computers to Bring the Real Environment into the Classroom.

Lecturer (1979-1982), Environmental Studies: The Indiana Ecosystem as a Natural Laboratory, an NSF supported program for secondary school teachers, held at the University of Notre Dame. Topics: Introduction to Ecological Concepts and Terms; The Ecology of Lakes.

Invited speaker (1979), Indiana University, South Bend. Title: The Use of Computers in Entomological Research and Teaching.

Invited speaker (1980), University of Minnesota. Title: The Louse that Roared: Considerations of Quantity and Quality in the Data of Ecology and Systematics.

Invited speaker (1981), Annual Meeting of the Indiana College Biology Teachers Association, University of Notre Dame. Title: Computers in an Aquatic Ecology Course.

Invited speaker (1981), Heidelberg College, Tiffin, Ohio. Title: Computers in Biological Education and Research.

Instructor (1981-1987), Computers in Biology Summer Short Courses at the University of Notre Dame. Title: Computerized Data Analysis in Biological Research.

Invited speaker (1981), Symposium on Computers in Bioeducation, held at the Annual Meeting of the American Institute of Biological Sciences, Indiana University, Bloomington. Title: Using Computers to Bring the Real Environment into the Classroom.

Keynote address (1982), Association of Small Computer Users in Education 15th Annual Conference held in Pittsburgh, Pennsylvania. Title: A Biological Approach to the Mini-Micro-Mainframe Dilemma in Educational Computing.

Invited speaker (1982), Corvallis Environmental Research Laboratory, U.S. Environmental Protection Agency, Corvallis, Oregon. Title: Computerized Evaluation and Prediction Systems for Aquatic Habitats.

Invited speaker (1982), Indiana Conference on Instructional Computing, held at Ball State University. Title: Computers in Science Laboratories.

Invited speaker (1982), Symposium on Computers and Value-Oriented Science Education, held at the University of Notre Dame. Title: Matching the Right Computer With the Educational Task.

Invited speaker (1982), Symposium on the Growth of Entomological Collections: Progress, Perils and Paradox, held at the joint meeting of the Entomological Society of America, the Entomological Society of Canada and the Entomological Society of Ontario in Toronto, Ontario. Title: Computers and Collection Management.

Invited speaker (1983), Regional Meeting of the Indiana Council of Teachers of Mathematics, held at the Purdue University North Central Campus at Westville, Indiana. Title: Laboratory Applications of Computers in Science Teaching.

Invited Speaker (1983), Sigma Xi Lecture Series on Computers in Science Research, held at the University of Notre Dame. Title: Computers in Biological Research.

Invited speaker (1983), Tennessee Technological University in Cookeville, Tennessee. Title: Computer Options for College Educators.

Invited speaker (1983), Workshop on Computers and Benthos held at the Upper Cumberland Biological Field Station, Smithville, Tennessee, sponsored by the Tennessee Cooperative Fishery's Research Unit. Title: Research Applications of Computers in Aquatic Biology.

- Invited speaker (1984), Symposium on Statistics and Computers in Benthic Research held at the 32nd Annual Meeting of the North American Benthological Society, Raleigh, North Carolina. Title: Computers and the Quality Assurance of Benthic Data.
- Invited speaker (1985), Aquatic Ecoregions and Bioassessment Workshop held at the Xerox Center, Leesburg, Virginia. Sponsored by the U.S. Environmental Protection Agency. Title: The Environmental Requirements and Pollution Tolerance Retrieval and Analysis System.
- Invited speaker (1985), U.S. Environmental Protection Agency, Region V Headquarters, Chicago, Illinois. Title: Computerized Prediction and Evaluation of Aquatic Habitats.
- Invited speaker (1986), Meeting of the St. Joseph County, Indiana, Chapter of the Izaak Walton League of America, South Bend, Indiana. Title: Juday Creek and the Paradox of the North Temperate Stream.
- Invited speaker (1988), XVIII International Congress of Entomology, Vancouver, British Columbia, Canada. Title: Coevolution of Chewing Lice and Pocket Gophers.
- Invited speaker (1988), Illinois State Natural History Survey, Urbana, Illinois. Title: A Museum of Management: The Insect Collection Computerization Bugaboo.
- Invited speaker (1989), Workshop on Systematics Resources Management in Entomology, Pennsylvania State University, University Park. Titles: Computers and Insect Collections-- Current Status and Definition of Issues and Problems; Approaching Computerization of Collection Management: Hardware and Software Choices.
- Invited speaker (1989), North Dakota State University, Fargo. Title: Insects as Biological Indicators of Environmental Ecology and Phylogeny.
- Invited speaker (1989), Michigan State University, East Lansing. Title: The Quest for the Biological Indicator in Ecology and Phylogeny.
- Invited speaker (1990), Entomological Collections Network meeting, held at Louisiana State University, Baton Rouge. Titles: Models and Database File Structures for Arthropod Collections Management; and Data Exchange Standards for Arthropod Collections.
- Invited speaker (1990), Clemson University, Clemson, South Carolina. Title: Rats (actually Gophers), Lice and Mystery: Biological Indicators in Systematics and Ecology.
- Invited speaker (1991), Entomological Collections Network meeting, held at the University of Nevada, Reno. Title: Insect Collections and Networking.
- Invited participant (1992), Notre Dame Center for Ethics and Religious Values in Business: Conference on Business Leadership and Religious Values in Business.
- Invited speaker (1994), North American Benthological Society meeting, held at Orlando, FL., Workshop on NABS and the Information Superhighway. Title: A Benthologist's Guide to the Internet.

Invited speaker (1996), Argonne National Laboratory, Argonne, IL. Title: Lice, Gophers, Data Models, and the Environmental Data Catastrophe.

Invited speaker (1996), Entomological Society of America meeting, held at Louisville, KY., Formal Conference on Aquatic Entomology. Title: Production, Community Structure and Change in an Urban Stream.

Invited speaker (2000), Entomological Society of America, North Central Branch Meeting, held at Minneapolis, MN. Title: The Origins of Aquatic Entomology in the Heartland.

Invited Plenary Address (2002), North American Benthological, held at Pittsburgh, PA. Title: It all started with Benthos: The Development of North American Benthic Science.

Workshop Coordinator and participant (2003), Aquatic Macroinvertebrates Workshop: Overview of the State of Science. Indiana Academy of Science Meeting held at Anderson, Indiana.

Invited Address (2005), Hodson Award Lecture, University of Minnesota (May 5, 2005)

Invited Address (2008). Algae and Weed Control in Lakes on the University of Notre Dame Campus: A 47-year Record. Purdue Pesticide Programs Fourth Annual Aquatic Management Winter Workshop, held at West Lafayette, Indiana (February 8, 2008)

Invited Lectures (2018-2019). Background and history: Granger wastewater design project. Biological Process Design. Rob Nerenberg, Associate Professor, Department of Civil and Environmental Engineering and Earth Sciences, University of Notre Dame. (January 23, 2018, January 24, 2019)

Invited Speaker (2018). History and development of the Notre Dame Museum of Biodiversity. Holy Cross Hall, University of Notre Dame campus (October 5, 2018).

Invited Speaker (2019). Influencing Development and Drainage Management: “Juday Creek” - The Decline, Death and Resurrection of an Urban Stream. St. Joseph River Basin Commission meeting (May 10, 2019).

Other Professional Activities:

University of Notre Dame:

Department of Biological Sciences Computing Committee (Since 1978)
American Midland Naturalist, Executive Committee (Since 1978)
Biology Department Library Committee, Chairman (1979-1983), Member (1995-2012).
Department of Biological Sciences, Coordinator of Biocomputing Facilities and Equipment (Since 1980)
College of Science Library Committee (1979-1983)
College of Science Committee on Consulting and Industrial Relations (1982-1983)
College of Science Computing Committee (Since 1986)
Office of University Computing User Services Search Committee (1990)

Office of University Computing Instructional Technology Fair planning Committee (1990-1991)
 Internal Graduate Program Review Committee, Department of Chemistry and Biochemistry (1990)
 Office of University Computing Working Group on Student Access to Computing (1992-1993)
 Office of Instructional Technology Software Licensing Committee (1992-1995)
 Environmental Issues Committee (1990-2005)
 Energy and Environmental Issues Committee (Since 2006)
 Colloquy for the Year 2000, Committee on Academic Life, Task Force for the Humanities (1992)
 Colloquy for the Year 2000, Task Force on the future of the Notre Dame Libraries (1993-1994)
 Jordan Hall of Science Facilities Coordinator (Since 2004)
 Department of Biological Sciences, Galvin Space Utilization and Planning Committee, Chairman (2004-2012)
 Director, Museum of Biodiversity, Jordan Hall of Science. (Since 2006)
 Utilities Long Range Planning Task Force Working Group member (2009-2010)

Extra-University Scholarly Activities:

Citizen's Environmental Advisory Committee to Northern States Power Company. (1970-1971)
 Coordinator for research and educational time-sharing computing, Department of Entomology, Fisheries and Wildlife, University of Minnesota. (1973-1977)
 Higher Education Committee, Minnesota Educational Computing Consortium User's Association. (1975-1977)
 Committee on the Environmental Requirements and Pollution Tolerance of Freshwater Organisms, North American Benthological Society. (1977-1979)
 Program Review Board, U.S. Environmental Protection Agency Environmental Monitoring and Support Laboratory at Cincinnati, Ohio. Comprehensive review of the Aquatic Biology Program, Facilities and Staff. (1983)
 Finance Committee Chairman, North American Benthological Society. (1985-2009)
 Member, State of Indiana Water Quality Standards Advisory Committee. (1986-1988)
 Secretary, Formal Conference on Aquatic Insects, Entomological Society of America annual meeting, Louisville, KY. (1988)
 Co-chairman, Workshop on Systematics Resources Management in Entomology, Pennsylvania State University, University Park, PA. (1989)
 Chairman and Organizer, Formal Conference on Aquatic Insects, Entomological Society of America annual meeting, San Antonio, TX. (1989)
 Steering Committee member, Entomological Collections Network. (1989-1991)

Invited participant, Working Group on Automatic Data Processing Standards for Systematic Entomology, held at the U.S. National Museum of Natural History, Washington, D.C. (1990)

Invited participant, Association of Systematics Collections workshop on data processing standards for natural history collections, sponsored by the National Science Foundation, held at Cornell University, Ithaca, NY. (1992)

Member, Association of Systematics Collections committee on Computerization and Networking. (1992-1995)

Member, Research Natural Areas Advisory Panel, Ottawa National Forest, Ironwood, MI. (1992-1993)

Section Chairman, Data Standards and Networking, Indiana Biological Survey, Indiana Academy of Sciences. (1994-2012)

Gubernatorial Appointment: Indiana Pesticide Review Board. (1996-1999, 2000-2003, 2003-2006, 2007-), Vice Chair (2006-2008), Chair (2008-)

Member, Water Resources Advisory Board, St. Joseph County, Indiana, Health Department. (Since 2001)

Technical Advisor, Confined Animal Feeding Operations (CAFO) Ordinance Development Committee, St. Joseph County, Indiana, Health Department (Since 2006)

Member, Agricultural Advisory Board, St. Joseph County, Indiana, Health Department (Since 2007)

Member, Wastewater Advisory Board, St. Joseph County, Indiana, Health Department (Since 2012)

Member, St. Joseph County Water Quality Technical Working Group on Nitrate Groundwater Contamination (Since 2012)

Instructor, Forever Learning Institute, South Bend, Indiana (Since 2015)

Developer/Author. Development of an on-line training course for certification in Aquatic Pest Management (Indiana certification category 5). Purdue Pesticide Programs, Purdue University, West Lafayette, Indiana (2018-2019)

Awards and Honors:

Special Presidential Award, University of Notre Dame - 1994

Distinguished Service Award, North American Benthological Society - 1997

Kaneb Teaching Award, University of Notre Dame - 2000

Hodson Alumna Award, University of Minnesota - 2005

Publications:

- Baker, N. T. & R. A. Hellenthal. 1971. Pictorial Key to Some Important Insect Larvae Affecting Corn. Univ. Minn. Agr. Ext. Serv. Folder 259. 2 pp.
- Hellenthal, R. A. & N. T. Baker. 1971. Pictorial Key to Some Important Pests of Alfalfa. Univ. Minn. Agr. Ext. Serv. Folder 260. 2 pp.
- Baker, N. T., R. A. Hellenthal & P. K. Harein. 1973. Some Important Adult Beetle Pests of Stored Grain. Revised. Univ. Minn. Agr. Ext. Serv. Folder 285. 4 pp.
- Price, R. D. & R. A. Hellenthal. 1975. A Reconsideration of *Geomydoecus expansus* (Duges) (Mallophaga: Trichodectidae) from the Yellow-faced Pocket Gopher (Rodentia: Geomyidae). J. Kans. Entomol. Soc. 48: 33-42.
- Price, R. D. & R. A. Hellenthal. 1975. A Review of the *Geomydoecus texanus* Complex (Mallophaga: Trichodectidae) from *Geomys* and *Pappogeomys* (Rodentia: Geomyidae). J. Med. Entomol. 12: 401-408.
- Price, R. D. & R. A. Hellenthal. 1976. The *Geomydoecus* (Mallophaga: Trichodectidae) from the Hispid Pocket Gopher (Rodentia: Geomyidae). J. Med. Entomol. 12: 695-700.
- Hellenthal, R. A. & E. F. Cook. 1976. Computer Identification of Insect Water Quality Indicators. Abstract. N. Amer. Benthol. Soc. Titles & Abs. 24: 12.
- Hellenthal, R. A. & R. D. Price. 1976. Louse-host Associations of *Geomydoecus* (Mallophaga: Trichodectidae) with the Yellow-faced Pocket Gopher, *Pappogeomys castanops* (Rodentia: Geomyidae). J. Med. Entomol. 13: 331-336.
- Hellenthal, R. A., A. G. Peterson & A. C. Hodson. 1976. Laboratory Manual for Economic Entomology. Revised. Univ. Minn. Dept. Entomol., Fish. & Wildlife. St. Paul. iv + 115 pp.
- Hellenthal, R. A. 1977. Considerations of Variability and Taxonomic Methodology in the Systematics of the Orthoclaadiinae (Diptera: Chironomidae). Ph. D. Thesis. Univ. Minn. vii + 222 pp.
- Hellenthal, R. A. & E. F. Cook. 1978. Variability and Taxonomic Methodology in the Systematics of the Orthoclaadiinae (Diptera: Chironomidae). Abstract. N. Amer. Benthol. Soc. Titles & Abs. 26: 24.
- Hellenthal, R. A. 1978. Autokey Taxonomic Identification System. Assoc. Syst. Coll. Newsl. 6: 6-7.
- Hellenthal, R. A. 1979. Prediction and Evaluation of Aquatic Communities Using Environmental Data. Abstract. N. Amer. Benthol. Soc. Titles & Abs. 27: 24.
- Thompson, L. C., H. M. Kulman & R. A. Hellenthal. 1979. Parasitism of the Larch Sawfly by *Bessa harveyi* (Diptera: Tachinidae). Ann. Entomol. Soc. Amer. 72: 468-471.

- Price, R. D. & R. A. Hellenthal. 1979. A Review of the *Geomydoecus tolucae* Complex (Mallophaga: Trichodectidae) from *Thomomys* (Rodentia: Geomyidae), Based on Qualitative and Quantitative Characters. J. Med. Entomol. 16: 264-274.
- Price, R. D. & R. A. Hellenthal. 1980. The *Geomydoecus oregonus* Complex (Mallophaga: Trichodectidae) of the Western United States Pocket Gophers (Rodentia: Geomyidae). Proc. Entomol. Soc. Wash. 82: 25-38.
- Price, R. D. & R. A. Hellenthal. 1980. The *Geomydoecus neocopei* Complex (Mallophaga: Trichodectidae) of the *Thomomys umbrinus* (Rodentia: Geomyidae) Pocket Gophers of Mexico. J. Kans. Entomol. Soc. 53: 597-610.
- Price, R. D. & R. A. Hellenthal. 1980. A Review of the *Geomydoecus minor* Complex (Mallophaga: Trichodectidae) from *Thomomys* (Rodentia: Geomyidae). J. Med. Entomol. 17: 298-313.
- Hellenthal, R. A. & R. D. Price. 1980. A Review of the *Geomydoecus subcalifornicus* Complex (Mallophaga: Trichodectidae) from *Thomomys* Pocket Gophers (Rodentia: Geomyidae), with a Discussion of Quantitative Techniques and Automated Taxonomic Procedures. Ann. Entomol. Soc. Amer. 73: 495-503.
- Price, R. D. & R. A. Hellenthal. 1981. A Review of the *Geomydoecus californicus* Complex (Mallophaga: Trichodectidae) from *Thomomys* (Rodentia: Geomyidae). J. Med. Entomol. 18: 1-23.
- Price, R. D. & R. A. Hellenthal. 1981. The Taxonomy of the *Geomydoecus umbrini* Complex (Mallophaga: Trichodectidae) from *Thomomys umbrinus* (Rodentia: Geomyidae) in Mexico. Ann. Entomol. Soc. Amer. 74: 37-47.
- Hellenthal, R. A. 1982. Using Aquatic Insects for the Evaluation of Freshwater Communities. p. 347-354. In: Armantrout, N. B. (Ed.). Acquisition and Utilization of Aquatic Habitat Inventory Information: Proceedings of a Symposium held 28-30 Oct. 1981, Portland, Oregon. Western Division American Fisheries Society. 376 pp.
- Schwenneker, B. W. & R. A. Hellenthal. 1983. Seasonal, Spatial, and Developmental Variability in Stream Benthic Macroinvertebrates. Abstract. N. Amer. Benthol. Soc. 31: 66.
- Hellenthal, R. A. 1983. Computers and Benthos. N. Amer. Benthol. Soc. Newsl. (July): 20-22.
- Hellenthal, R. A. [Ed.]. 1983. Selected Bibliographies on Benthic Biology 1959-1981. Volume 1. Ecology, Methods, Requirements, Indicators, Toxicology, Production. North American Benthological Society. Notre Dame, Ind. x + 212 pp.
- Hellenthal, R. A. & R. D. Price. 1984. A New Species of *Thomomydoecus* (Mallophaga: Trichodectidae) from *Thomomys bottae* Pocket Gophers (Rodentia: Geomyidae). J. Kans. Entomol. Soc. 57: 231-236.

- Hellenthal, R. A. & R. D. Price. 1984. Distributional Associations Among *Geomydoecus* and *Thomomydoecus* Lice (Mallophaga: Trichodectidae) and Pocket Gopher Hosts of the *Thomomys bottae*-group (Rodentia: Geomyidae). J. Med. Entomol. 21: 432-446.
- Patton, J. L., M. F. Smith, R. D. Price & R. A. Hellenthal. 1984. Genetics of Hybridization Between the Pocket Gophers *Thomomys bottae* and *Thomomys townsendii* in Northeastern California. Great Basin Nat. 44: 431-440.
- Schwenneker, B. W. & R. A. Hellenthal. 1984. Sampling Considerations in Using Stream Insects for Monitoring Water Quality. Environ. Entomol. 13: 741-750.
- Price, R. D., R. A. Hellenthal & M. S. Hafner. 1985. The *Geomydoecus* (Mallophaga: Trichodectidae) from the Central American Pocket Gophers of the Subgenus *Macrogeomys* (Rodentia: Geomyidae). Proc. Entomol. Soc. Wash. 87: 432-443.
- Dawson, C. L. & R. A. Hellenthal. 1986. A Computerized System for the Evaluation of Aquatic Habitats Based on Environmental Requirements and Pollution Tolerance Associations of Resident Organisms. Project Summary. U. S. Environmental Protection Agency, Corvallis Environmental Research Laboratory, Corvallis, OR. EPA/600/S3-86/019. 5 pp.
- Dawson, C. L. & R. A. Hellenthal. 1986. A Computerized System for the Evaluation of Aquatic Habitats Based on Environmental Requirements and Pollution Tolerance Associations of Resident Organisms. U. S. Environmental Protection Agency, Corvallis Environmental Research Laboratory, Corvallis, OR. National Technical Information Service, Springfield, VA. Publ. PB 86-167 343/AS. vi + 102 pp.
- Price, R. D. & R. A. Hellenthal. 1988. The *Geomydoecus* (Mallophaga: Trichodectidae) from the Central American Pocket Gophers of the Subgenus *Orthogeomys* (Rodentia: Geomyidae). J. Med. Entomol. 25: 331-335.
- Price, R. D. & R. A. Hellenthal. 1988. A New Species of *Geomydoecus* (Mallophaga: Trichodectidae) from *Pappogeomys* (Rodentia: Geomyidae) Pocket Gophers in Jalisco, Mexico. J. Entomol. Sci. 23: 212-215.
- Hellenthal, R. A. & R. D. Price. 1989. *Geomydoecus* (Mallophaga: Trichodectidae) from the Texas and Desert Pocket Gophers (Rodentia: Geomyidae). Proc. Entomol. Soc. Wash. 91: 1-8.
- Hellenthal, R. A. & R. D. Price. 1989. The *Thomomydoecus wardi* Complex (Mallophaga: Trichodectidae) of *Thomomys talpoides* Pocket Gophers (Rodentia: Geomyidae). J. Kans. Entomol. Soc. 62: 245-253.
- Price, R. D. & R. A. Hellenthal. 1989. *Geomydoecus bulleri* Complex (Mallophaga: Trichodectidae) from Buller's Pocket Gopher, *Pappogeomys bulleri* (Rodentia: Geomyidae), in Westcentral Mexico. Ann. Entomol. Soc. Amer. 82: 279-285.
- Hellenthal, R. A. & R. D. Price. 1989. The *Geomydoecus thomomys* Complex (Mallophaga: Trichodectidae) from Pocket Gophers of the *Thomomys talpoides* Complex (Rodentia: Geomyidae) of the United States and Canada. Ann. Entomol. Soc. Amer. 82: 286-297.

- Price, R. D. & R. A. Hellenthal. 1989. *Geomydoecus* (Mallophaga: Trichodectidae) from *Pappogeomys* and *Zygogeomys* Pocket Gophers (Rodentia: Geomyidae) in Central Mexico. J. Med. Entomol. 26: 385-401.
- Berg, M. B. & R. A. Hellenthal. 1990. Data Variability and the Use of Chironomids in Environmental Studies: The Standard Error of the Midge. pp. 1-8. In: W. S. Davis [Ed.]. Proc. 1990 Midwest Pollution Control Biologists Meeting. U.S. Environmental Protection Agency Region V, Environmental Sciences Division, Chicago, IL. EPA-905-9-90/005.
- Hellenthal, R. A., J. Louton, G. R. Noonan, R. T. Schuh, M. K. Thayer & F. C. Thompson. 1990. Automatic Data Processing for Systematic Entomology: Promises and Problems. A Report for the Entomological Collections Network. Entomological Collections Network, Baton Rouge, LA. 48 p.
- Hellenthal, R. A. & R. D. Price. 1991. Biosystematics of the Chewing Lice of Pocket Gophers. Ann. Rev. Entomol. 36: 185-203.
- Berg, M. B. & R. A. Hellenthal. 1991. Secondary Production of Chironomidae (Diptera) in a North Temperate Stream. Freshwater Biology. 25: 497-505.
- Kohlhepp, G. W. & R. A. Hellenthal. 1992. The Effects of Sediment Deposition on Insect Populations and Production in a Northern Indiana Stream. pp. 73-84. In: T. P. Simon & W. S. Davis [Ed.]. Proc. 1991 Midwest Pollution Control Biologists Meeting: Environmental Indicators: Measurement and Assessment Endpoints. U.S. Environmental Protection Agency Region V, Environmental Sciences Division, Chicago, IL. EPA 905/R-92/003.
- Berg, M. B. & R. A. Hellenthal. 1992. Life Histories and Growth of Lotic Chironomids (Diptera: Chironomidae). Ann. Entomol. Soc. Amer. 85: 578-589.
- Berg, M. B. & R. A. Hellenthal. 1992. The Role of Chironomidae in Energy Flow of a Lotic Ecosystem. Neth. J. Aquatic Ecol. 26: 471-476
- Hellenthal, R. A. & R. D. Price. 1994. Two New Subgenera of Chewing Lice (Phthiraptera: Trichodectidae) from Pocket Gophers (Rodentia: Geomyidae), with a Key to All Included Taxa. J. Med. Entomol. 31: 450-466.
- Page, R. D. M., R. D. Price & R. A. Hellenthal. 1995. Phylogeny of *Geomydoecus* and *Thomomydoecus* pocket gopher lice (Phthiraptera: Trichodectidae) inferred from cladistic analysis of adult and first instar morphology. Systematic Entomol. 20: 129-143.
- Price, R. D. & R. A. Hellenthal. 1996. Taxonomic Importance of First-instar Chewing Lice (Phthiraptera: Trichodectidae) from Pocket Gophers (Rodentia: Geomyidae). Ann. Entomol. Soc. Am. 89: 510-518.
- Price, R. D., R. L. Palma & R. A. Hellenthal. 1997. New Synonymies of Chewing Lice (Phthiraptera) Described from the Falconiformes (Aves). European J. Entomol. 94: 537-545.

- Palma, R. L., R. D. Price & R. A. Hellenthal. 1998. New Synonymies and Host Records for Lice of the Genus *Menacanthus* (Phthiraptera: Menoponidae) from the Passiformes (Aves). J. Royal Soc. New Zealand. 28: 309-320.
- Price, R. D. & R. A. Hellenthal. 1998. Taxonomy of *Philopterus* (Phthiraptera: Philopteridae) from the Corvidae (Passeriformes), with Descriptions of Nine New Species. Ann. Entomol. Soc. Am. 91: 782-799.
- Price, R. D., D. H. Clayton & R. A. Hellenthal. 1999. Taxonomic Review of *Physconelloides* (Phthiraptera: Philopteridae) from the Columbiformes (Aves), Including Descriptions of Three New Species. J. Medical. Entomol. 36: 195-206.
- Runde, J. M. & R. A. Hellenthal. 2000. Effects of Suspended Particles on Net-tending Behaviors for *Hydropshche sparna* (Trichoptera: Hydropsychidae) and Related Species. Ann. Entomol. Soc. Amer. 93: 678-683.
- Runde, J. M. & R. A. Hellenthal. 2000. Behavioral Responses by *Hydropshche sparna* (Trichoptera: Hydropsychidae) and Related Species to Deposited Bedload Sediment. Environ. Entomol. 29: 704-709.
- Hellenthal, R. A., R. D. Price & R. M. Timm. 2002. Review of the Chewing Louse Genus *Tinamotaecola* (Phthiraptera: Philopteridae), with the Description of Three New Species J. Kans. Entomol. Soc. 74(3): 136-141.
- Price, R. D., R. A. Hellenthal & R. C. Dalglish. 2002. A Review of *Machaerilaemus* (Phthiraptera: Amblycera: Menoponidae) from the Passeriformes (Aves), with the Description of Five New Species. Amer. Midl. Nat. 148(1): 61-74.
- Hellenthal, R. A., R. D. Price & R. L. Palma. 2002. Chewing Lice of Belgium. National Monograph of Biological Diversity of Belgium. 59 pp.
- Hellenthal, R. A. & R. D. Price. 2003. Phthiraptera: Chewing and Sucking Lice. Pages 879-882 In: Cardé, R.T. & V.H. Resh [Eds.]. Encyclopedia of Insects. Academic Press. San Diego, CA, xxviii + 1266 pp.
- Price, R. D., R. A. Hellenthal, R. L. Palma, K. P. Johnson & D. H. Clayton. 2003. The Chewing Lice: World Checklist and Biological Overview. Illinois Natural History Survey Special Publication 24. x + 501 p.
- Price, R. D., R. A. Hellenthal & R. L. Palma. 2003. World Checklist of Chewing Lice with Host Associations and Keys to Families and Genera. Pages 1-448 In: Price, R. D., R. A. Hellenthal, R. L. Palma, K. P. Johnson & D. H. Clayton. The Chewing Lice: World Checklist and Biological Overview. Illinois Natural History Survey Special Publication 24. x + 501 pp.
- Hellenthal, R. A. & R. D. Price. 2003. The Genus *Myrsidea* Waterston (Phthiraptera: Menoponidae) from Bulbuls (Passeriformes: Pycnonotidae), with Descriptions of 16 New Species. Zootaxa. 354: 1-20.

- Moerke, A. H., K. J. Gerard, J. A. Latimore, R. A. Hellenthal & G. A. Lamberti. 2004. Restoration of an Indiana, USA, Stream: Bridging the Gap Between Applied and Basic Lotic Ecology. *Journal North American Benthological Society*. 23(3): 647-660.
- Hellenthal, R. A. & R. D. Price. (Editors). 2005. Chapter 25: Order Phthiraptera: Lice. Pages 356-364 In: Triplehorn, C. A. & N. F. Johnson. *Borror and DeLong's Introduction to the Study of Insects*. 7th edition. Thomson Brooks/Cole, Belmont, CA. x + 864 p.
- Hellenthal, R. A. & R. D. Price. 2005. Two New Species of *Myrsidea* Waterston (Phthiraptera: Menoponidae) from the Jewel-babblers (Passeriformes: Eupetidae) from New Guinea. *Journal Entomol Society Wash.* 107(3): 485-488.
- Hellenthal, R. A., R. D. Price & J. D. Weckstein. 2005. The Genus *Ramphasticola* Carriker (Phthiraptera: Menoponidae) from the Toucans (Piciformes: Ramphastidae), with Description of a New Species. *Journal Entomol. Society Wash.* 107(3): 565-571
- Price, R. D. & R. A. Hellenthal. 2005. A New Genus and New Species of Chewing Louse (Phthiraptera: Menoponidae) from the Lesser Melampitta (Aves: Passeriformes). *Journal Kans. Entomol. Soc.* 78(2): 167-171.
- Price, R. D., R. A. Hellenthal & R. C. Dalglish. 2005. The genus *Myrsidea* Waterston (Phthiraptera: Menoponidae) from tyrant-flycatchers (Passeriformes: Tyrannidae), with descriptions of 13 new species. *Zootaxa*. 1048: 1-20.
- Hellenthal, R. A. & R. D. Price. 2009. Phthiraptera: Chewing and Sucking Lice. Pp. 777-780 In: Cardé, R.T. & V.H. Resh [Eds.]. *Encyclopedia of Insects*. 2nd Edition. Elsevier/Academic Press. London. xxxiii+ 1132p.

DAVID D. JEFFERS, L.P.G.

Senior Hydrogeologist/Project Manager



EDUCATION

*Masters of Science (ABT) Hydrogeology
Wright State Univ. - Dayton, Ohio**

*Bachelors of Science - Geology
University of Dayton, OH, 1992*

CERTIFICATION/TRAINING

*State of Indiana Licensed Professional
Geologist No. 1862*

Indiana Licensed Well Driller #2073

*OSHA 40hr. Hazardous Materials
Health and Safety*

American Red Cross CPR & First Aid

Greener Cleanups for Brownfields

AFFILIATIONS

*Technical Advisor
St. Joseph County, Indiana
Drinking Water Protection Group*

*Vice-Chairperson
St. Joseph County, Indiana
Water Advisory Board*

*St. Joseph County, Indiana
Septic Ordinance Review Committee*

*St. Joseph County, Indiana
Confined Animal Feeding Operation
Technical Advisory Committee*

SPEAKING ENGAGEMENTS

*Guest Speaker – "Ionia's WHPP"
MDEQ Wellhead Protection
Seminar – Mt. Pleasant 2002*

*Key Note Speaker – "WHPPs"
Michigan Assoc. of Professional
Geologists – Kalamazoo 2000*

*Guest Speaker – "Well Profiling"
Michigan AWWA Regional Meeting
South Haven 2001*

PUBLICATIONS

Edwards, David A., Conley, Denis M., Beikirch, Michael G., **Jeffers, David D.**, *Surfactant Applications in Environmental Restoration*, In: Proceedings of the Twenty-Eighth Mid-Atlantic Industrial and Hazardous Waste Conference, Buffalo, NY 1996.

Roberts Environmental Services, LLC, 2013. *Evaluating the Necessity of Bioaugmentation in Conjunction with an Electron Donor Injection at a Large Chlorinated Solvent Plume in the Midwest*, **David D. Jeffers** & Jeffrey C. Roberts. Second International Symposium on Bioremediation and Sustainable Environmental Technologies, Jacksonville, FL. June 2013.

* Recipient of 1994 NGWA-AGWSE Graduate Research Fellowship. ABT = All but Thesis completed.

EMPLOYMENT HISTORY

Roberts Environmental Services, LLC – June 2003 to Present

Peerless-Midwest, Inc. – July 1999 to May 2003

Triad Engineering, Inc. – July 1996 to July 1999

EIS Environmental Engineers, Inc. – September 1994 to July 1996

PROFESSIONAL EXPERIENCE

Mr. Jeffers has over twenty (20) years experience as a Hydrogeologist. His experience includes the site characterization of UST systems, landfills, nuclear power plants, bulk petroleum terminalling sites, and metal plating facilities among others. He has been involved in the investigation and remediation of a wide variety of sites affected by gasoline, jet fuel, diesel, heating oil, aviation gasoline, heavy metals, and chlorinated solvents. Mr. Jeffers also has experience in vapor intrusion ("VI") investigations, Phase I Site Assessments, brownfields, asbestos building inspections, statistical analysis of landfill GW monitoring parameters, the design, operation, and maintenance of air sparging soil vapor extraction systems ("AS/SVE"), UST removals, closures, & clean-ups, vertical aquifer screening ("VAS"), and several dig and haul remediation projects.

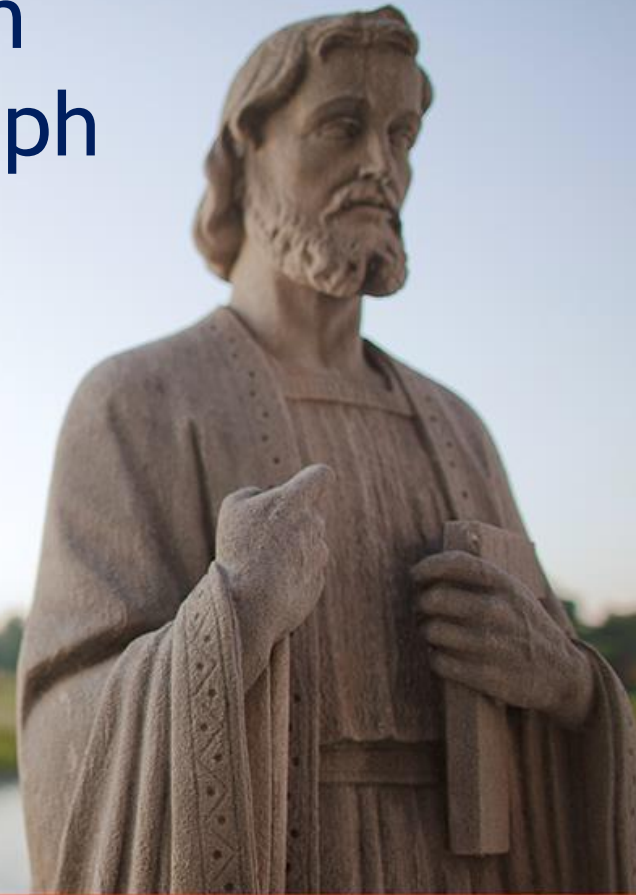
Mr. Jeffers has extensive experience in groundwater and contaminant transport modeling, municipal water supply development, aquifer testing and analysis, and wellhead protection area ("WHPA") delineation and management. He has been involved with over fifty (50) approved wellhead protection studies in Michigan, Indiana, and Ohio. He has implemented several innovative and cost-effective wellhead protection plan ("WHPP") activities during his work. Mr. Jeffers was project manager for a Michigan AWWA Exemplary Wellhead Protection Program award-winning community.

Phase I Environmental Site Assessment experience includes a wide-variety of industrial, commercial, and residential properties. Mr. Jeffers has been involved with monitored natural attenuation, active remediation, and risk-based corrective actions. Common methods utilized to collect soil and/or groundwater samples have included hollow-stem auger drilling, direct-push technology (i.e., Geoprobe®, Earthprobe®, and other similar equipment), hand-auger drilling, and test pits. He has also employed directional drilling under buildings, resistivity/conductivity, gamma-logging, and ground penetrating radar ("GPR").

Mr. Jeffers has been the lead Hydrogeologist at numerous sites across the Midwest including UST, brownfields, voluntary remediation, State Cleanup, and EPA Superfund sites, among others. He has also managed an extensive water well/septic system study in St. Joseph County, Indiana, involving nitrate, chloride, isotope, and pharmaceutical testing. He has also been involved with expert witness testimony based on his hydrogeologic experience.

Tobacco Control in Indiana and St. Joseph County

SAINT  JOSEPH
HEALTH SYSTEM
A Member of Trinity Health



Sandi Pontius
Tobacco Education Coordinator

Mission Statement

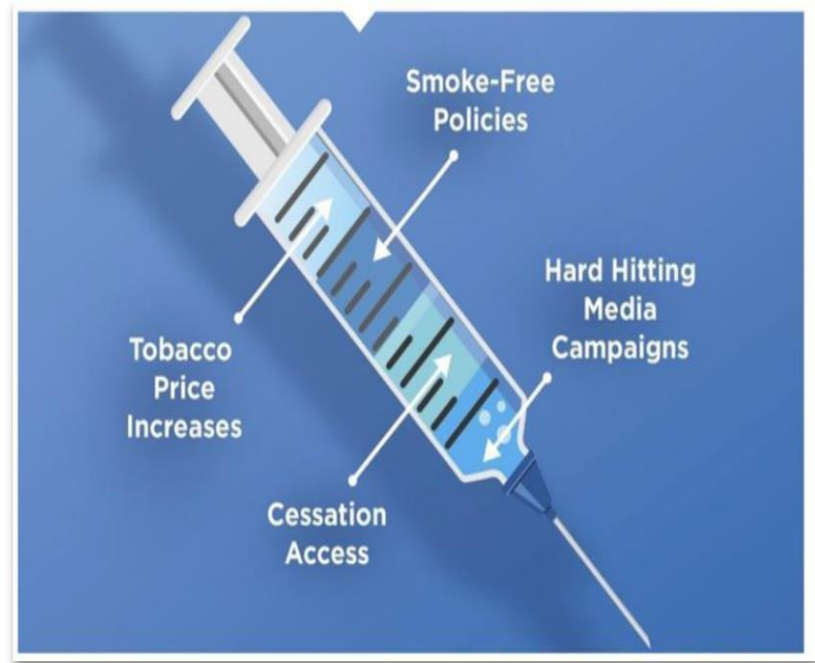
The mission of Tobacco Initiatives is to improve the health and quality of life of citizens, and to create a culture within the community where the use of tobacco is no longer socially acceptable behavior.

Indiana Tobacco Landscape

- More than 1 in 5 Hoosier adults smoke - 21.1% vs. the U.S. rate of 13.7%*
- For every death, two new youth start and 30 are living with a chronic disease
- **\$590 million** in Medicaid costs
- Indiana taxpayers pay over **\$900** per household in smoking-caused government expenditures
- For every pack of cigarettes sold in Indiana, it spends **\$15.90** in costs dues to health care and lost productivity

Tobacco Control Vaccine

- Smoke-Free Policies
- Cessation Access
- Tobacco Price Increases
- Media Campaigns



Priority Areas in Indiana

Priority Area 1	Decrease Indiana youth and young adult tobacco use rates
Priority Area 2	Increase the proportion of Hoosiers not exposed to secondhand smoke
Priority Area 3	Decrease Indiana adult smoking rates
Priority Area 4	Increase anti-tobacco knowledge, attitudes and beliefs necessary for smoking behavior change to occur; maintain infrastructure

Youth and Tobacco Use

- ✓ Smoking among middle school and high school youth declined has declined.

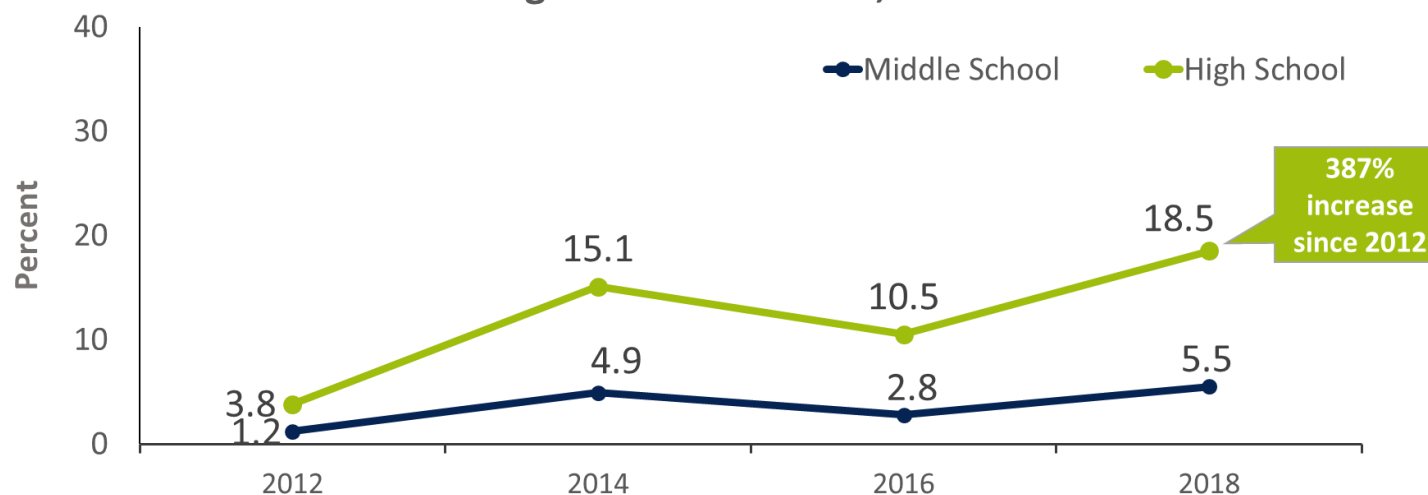
- ✓ Middle school smoking rate went down to 1.9%

- ✓ High school smoking rate went down to 5.2%

- ❖ **However, E-cigarette use has increased more than 350% since 2012**

E-Cigarette Use Trends

Current (past 30 day) Use of E-Cigarettes among Indiana Middle and High School Students, 2012-2018 IYTS



Reducing Youth Tobacco Use Rates

- Promoting tobacco-free environments
- Reducing youth access and exposure to tobacco marketing (Point of Sale Marketing strategies)
- Higher prices of tobacco products (State initiative)
- Include young adults in outreach through Colleges and Universities *NEW*
- Policy reform around student nicotine use in schools that includes alternatives to punitive measures.
 - Education or service rather than fines or suspension
- **We were successful in raising the legal age to 21!**

Priority 2: Increasing Protections from Secondhand Smoke

EVERYWHERE!

Increase Housing Protections

- Goal: Increase the number of MULTI-UNIT housing complexes that are protected from secondhand smoke exposure in the home.
- Several complexes have already gone smokefree
 - The Ivy and Grandview Flats both opened smokefree
 - Castle Point has changed its policy to be smokefree
- South Bend Housing Authority and Mishawaka Housing Authority are covered by HUD smokefree policies



Priority 3: Decrease Adult Smoking Rates

- Increase Calls to the Indiana Tobacco Quitline
- Increase participation in Courage to Quit smoking cessation program
- Help Employers Promote Quitting with the Indiana Tobacco Quitline

Marginalized Populations



Mental
Illness and
Substance
Use
Disorders



Medicaid
Enrolees



LGBT
Population



Pregnant
Women



Individuals
Living in
Poverty; Low
Level of
Education



Individuals
Living with
Chronic
Disease

Priority 4: Increase anti-tobacco knowledge, attitudes and beliefs necessary for smoking behavior change to occur; and maintain Coalition infrastructure



- Intersectional partnerships within the broad-based Coalition
 - Added members of business, industry, and law
 - Coalition members will be key to convincing St. Joe County Council to cover the entire county with a comprehensive smokefree ordinance

- Partnerships with groups serving marginalized populations
 - Added representatives from multiple addictions services
 - We will add representatives from Youth Service Bureau, Goodwill Excel Center, LGBTQ Center

Breathe: Healthy Steps to Living Tobacco Free

- Head Start staff in St. Joseph and Elkhart Counties are trained in the program
- Trained Beacon Community Outreach and Goodwill's Nurse Family Partnership staff in the program
- Offer refresher and new hire trainings to Head Start locations



Questions?

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St. Joseph County Department of Health "Wash Wednesday" video can be found at:

<https://www.youtube.com/watch?v=SdRFdSTgko4>

St. Joseph County Department of Health Food Services video can be found at:
https://www.youtube.com/watch?v=EMCL3fNYY_A