



MARION COUNTY
PUBLIC
HEALTH
DEPARTMENT

Prevent. Promote. Protect.

*REPORT TO OUR
COMMUNITY
2016-2017*



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REPORT TO OUR COMMUNITY 2016-2017

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A MESSAGE FROM THE DIRECTOR & CHIEF MEDICAL OFFICER



Virginia A. Caine, MD
Director & Chief Medical Officer

I am pleased to present you with a report on the activities and impact of the Marion County Public Health Department (MCPHD). It highlights how we met our identified goals for protection of Marion County residents, promotion of healthy habits and mindsets, and prevention of disease, injury and disability. It also underscores our vigorous efforts to create and mobilize community partnerships toward improving the health of our diverse communities.

One example is the outbreak of mumps that hit the campus of Butler University about three years ago, threatening the well-being of students and employees as well as the residents of Marion County and beyond. Working with an impressive team of Butler healthcare professionals, we provided public information about the disease and vaccination guidelines, administered MMR vaccines to over 3,000 people, and contained the infection's spread.

Just 30 years ago, infant mortality in Indianapolis was disturbingly high for an advanced nation: 14.2% per every 1,000 live births. While the loss of children in infancy is the result of numerous, complicated factors, the MCPHD staff has been attacking this tragic challenge with accelerated vigor; and in 2017, the rate for all races was reduced to 8.3% per 1,000 live births.

MCPHD's comprehensive Community Health Assessment survey, completed in

2017, is yielding invaluable new data about overall and specific health issues in the community.

MCPHD is also moving toward completion of the extensive national Public Health Accreditation Board process for accreditation, which should benefit the Department and Marion County with additional resources for cooperative public health and operational practices.

As Director & Chief Medical Officer of MCPHD, and inspired by our success to-date in building partnerships – my goal is to align our Department's strategies even more closely with those of county-wide initiatives. These would include efforts to reduce homelessness and break the cycle of repeated incarcerations by providing access to appropriate mental health and substance abuse treatment services both during and after incarceration.

MCPHD staff members understand that working together has the greatest impact and we strive to apply that understanding every day on the job. Please accept my appreciation for your support and my anticipation for our future combined efforts to protect our community and make it even better.

Sincerely,

Virginia A. Caine, MD
Director & Chief Medical Officer

MCPHD DEDICATES NEW SMILE MOBILE



In 2016, the Marion County Public Health Department's Dental Services program joined community partners and special guests to officially dedicate its new Smile Mobile.

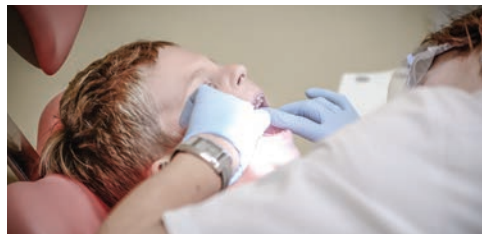
The original Smile Mobile began operating in 1998 and was retired after logging more than 300,000 miles on the road around Marion County during its 17 ½ years of service.

The new mobile unit is a 40-foot, fully equipped dental office, complete with a waiting and education area, a two-chair treatment area and a complete sterilization area for dental equipment. Some of the services provided in the Smile Mobile include dental examinations, teeth cleaning, fluoride treatments, X-rays, sealants, emergency treatments, simple extractions and oral cancer screenings.

When the Smile Mobile began rolling in 1998, the focus was on reaching students in Indianapolis Public Schools (IPS) who were part of Head Start and the United Way's Bridges to Success program. Today, in addition to IPS, the Smile Mobile also services students in other school districts and private schools in Marion County.

The new Smile Mobile was made possible by funding from The Health Foundation of Greater Indianapolis, Richard Fairbanks Foundation, Indianapolis Foundation and Walmart. Delta Dental sponsored the Treats for Teeth giveaway bags for the Smile Mobile that contained a motorized toothbrush, toothpaste, dental floss and other dental supplies.

In 2016, the Smile Mobile was renamed the Lyvonne, DDS Mobile Dental Unit.



HHC/MCPHD DEDICATES FRANK JOHNSON, JR. M.D. BUILDING



In 2017, staff, Johnson family and friends, retirees, members of the Board of Trustees and community representatives gathered at the Hasbrook campus to honor Frank Johnson, Jr., M.D.'s life and unveil a plaque bearing his name that hangs in the lobby of the Johnson Building at 3901 Meadows.

Dr. Johnson, a practicing OB/GYN, joined the Marion County Public Health Department (MCPHD) in 1970 and served as director from 1975 to 1992.

During his tenure, MCPHD implemented the Mother Baby Healthline, established the Action Health Center, expanded the WIC program and began a long-term focused effort to reduce infant mortality and racial health disparities in Marion County. He also established MCPHD's renowned pest control programs and helped lead local efforts to combat HIV/AIDS in the early days of the nationwide epidemic.

In 1983, he delivered the Gaither quintuplets – the first and only surviving naturally conceived African-American quintuplets. All five of the Gaither quintuplets and their mother attended the dedication to honor their physician and lifelong friend.

Dr. Johnson passed away unexpectedly in 2003, but his tremendous impact on the health and lives of Marion County's citizens is a living, growing reminder of the value of his good works.



MCPHD SAVED THE SHOW WHEN THE CIRCUS CAME TO TOWN



The day before Thanksgiving 2016, Virginia A. Caine, MD, Director & Chief Medical Officer of the Marion County Public Health Department (MCPHD) received a call from public health authorities in Chicago, alerting the MCPHD that a performer with the Ringling Brothers Barnum & Bailey Circus had been admitted to a local hospital with active tuberculosis. The rest of the circus continued traveling, but before they could perform, everyone had to be screened.

Before the show could go on, MCPHD staff, representatives from the circus and Bankers Life Fieldhouse worked late into the night to put together a plan for sorting and screening all performers and personnel.

The following day, MCPHD staff set up shop in the restaurant car of the circus train, where they placed 239 skin tests. Another 14 close

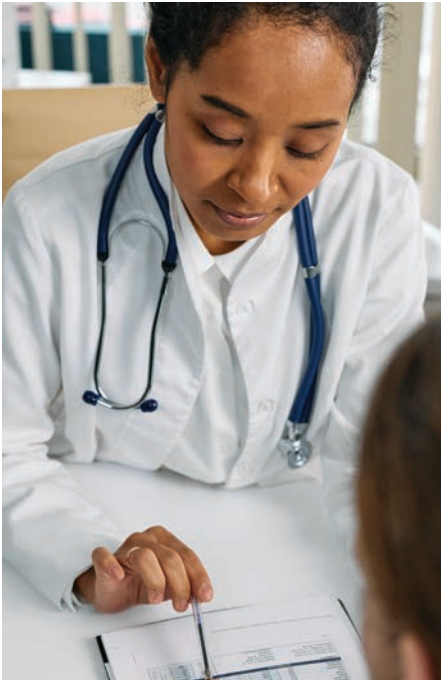
contacts of the individual with active TB were sent to the Tuberculosis and Refugee Care (TARC) clinic, where they received blood tests and chest x-rays. The remaining performers were sent to another screening facility contracted by the circus.

Skin tests take days to read and with a show scheduled in two days, the circus needed staff to be cleared to enter the building to set up. With the help of Eskenazi Hospital, all 119 people were screened, with only one person admitted to the hospital. Two children who had been exposed were sent to Riley Hospital for Children for chest x-rays.

A tent was set up in the Bakers Life Fieldhouse parking lot where skin tests were read, and one more person was found with suspected TB case.

Elephants also had to be tested. After every person (and elephant) had been screened and cleared or sent to be treated, the show went on as scheduled.

MCPHD AND BUTLER UNIVERSITY TEAMED UP FOR MUMPS OUTBREAK



In 2016, an outbreak of mumps occurred on Indiana college campuses. Butler had the most cases of nine, and one at Indiana University-Purdue University. During this outbreak, the Marion County Public Health Department (MCPHD) recommended that Butler students, faculty, and staff receive a booster MMR vaccine.

Mumps is very contagious and is spread through saliva or mucus or by touching contaminated objects or surfaces. When a few individuals in the Butler University community were diagnosed with mumps, MCPHD sprang into action to contain and end the outbreak. MCPHD exercised its legal authority to protect the citizens of Marion County from infectious diseases and issued some additional vaccination guidelines for students, faculty and staff of Butler University.

Those who provided documentation of one MMR dose were required to receive a second dose. In order to assist the Butler community with its vaccination needs, MCPHD held a series of on-campus vaccination clinics. Over 3,000 people received MMR vaccines at no cost to them.

MCPHD also opened up a mumps information hotline in Hasbrook Building, where members of the public could call and ask questions about vaccination guidelines and request other information. MCPHD's Infectious Disease team continued to monitor the situation and provided support to Butler to keep its community and all citizens of Marion County safe and healthy.

INDY WALKWAYS LAID GROUNDWORK FOR A MORE PEDESTRIAN-FRIENDLY MARION COUNTY



Indy Walkways, a coalition made up of the Marion County Public Health Department (MCPHD), Health By Design, City of Indianapolis and other organizations, held a series of public meetings to present its findings about the state of Marion County's pedestrian infrastructure and to solicit feedback to help create a comprehensive plan to improve walkability in the area.

With limited funds available to address massive infrastructure needs, Indy Walkways hopes to create a data-driven plan to help local officials efficiently allocate money to help as many citizens as possible.

Data-driven methodology has a proven track record for helping create a strong pedestrian infrastructure – notably Seattle, which is well-known for its high walkability. After collecting public feedback and examining data collected in its survey of Marion County's walkability, Indy Walkways will create a plan for submission to the Metropolitan Development Commission.

HEALTHY START EMPOWERS NEW MOMS WITH LEGACY FOR CHILDREN CURRICULUM



The Marion County Public Health Department's (MCPHD) division of Maternal and Child Health and its Healthy Start Program were among only a handful of organizations in the country to offer the highly-regarded Legacy for Children intervention for children curriculum in 2016.

Legacy, which is administered by the Centers for Disease Control and Prevention (CDC), was established to improve outcomes for children in poverty by promoting positive parenting practices. The program provides education and support for new mothers from birth until three years by providing a supportive environment for mothers to explore and discuss parenting practices and decide what is right for themselves and their children. Legacy for Children is a group-based format that engages participants in mother-baby and mother-only sessions to achieve five distinct goals

Representatives from CDC visited Healthy Start to observe the Legacy for Children curriculum in action and were impressed with what they saw.

MCPHD'S WATER QUALITY PROGRAM WORKS TO PROTECT MARION COUNTY'S WELLFIELDS



In 2017, the Water Quality and Hazardous Materials Management program worked with the Indianapolis City-County Council to create the Wellfield Protection Ordinance, which establishes new safety measures to protect wellfields from contamination from chemicals and chemical wastes.

A significant proportion of Marion County's citizen's rely on surface water, such as the White River, Fall Creek and Eagle Creek, to obtain their drinking water. But, many public water utilities use groundwater to serve customers. Each day, Marion County's water utilities use about 41 million gallons of groundwater. In the future, all additional drinking water supply will come from groundwater.

While the Wellfield Protection Ordinance is an official city policy and can be enforced, the Marion County Public Health Department (MCPHD) spent all of 2017 providing training opportunities and informational materials to covered businesses to allow for sufficient time to bring their locations into compliance.

PUBLIC HEALTH EMERGENCY PREPAREDNESS HOSTED EBOLA TABLETOP EXERCISE



The Public Health Emergency Preparedness department hosted a large tabletop exercise in 2016. Public health personnel, area health care providers, representatives from the Indianapolis Fire Department and Indianapolis Metropolitan Police Department, Indianapolis EMS, Health & Hospital Corporation, and other organizations put their heads together to plan a community response for Ebola occurring locally. Participants discussed the appropriate series of events and how organizations would coordinate to provide the best possible public health response. The event also included a BioWatch 101 presentation from Michael Walter, PhD, BioWatch program manager for the U.S. Department of Homeland Security. The BioWatch program, which operates in numerous metropolitan areas throughout the United States, works with federal, state and local officials to monitor the air for biological agents likely to be used in a bioterrorism attack. In the event of a detection, public health personnel use the information to coordinate a prompt and effective emergency response.

MCPHD'S SODIUM REDUCTION PROGRAM BRINGS NUTRITIOUS MEALS TO KIDS

The Marion County Public Health Department (MCPHD), as a participant in the Centers for Disease Control and Prevention's Sodium Reduction in Communities Program, partnered with Family Development Services (FDS) to reduce sodium in food served to children and staff at all ten Head Start sites in Marion County. Over the course of three years, MCPHD and FDS were able to reduce sodium by a daily average of 35 percent in meals served at Head Start sites.

To make the changes, which were designed to comply with the 2015-2020 Dietary Guidelines for Americans, MCPHD and FDS collaborated to identify lower sodium products that are components of four specific meals, such as using smaller buns, removing cheese, switching to lower sodium sauces and removing some sauces entirely. In addition, the project team created lower sodium meals, such as chicken ratatouille to replace chicken bites and substituting zucchini for cheesy potatoes. FDS also switched to lower sodium soup bases, salad dressings and more fruit and vegetable options to reduce sodium levels in eight meals and two sides.

The Marion County's Head Start program serves nearly 2,000 low-income families, many of whom have compromised access to nutritious foods. Children served by the program eat at least a third of their meals at Head Start, which means that sodium reduction can make a substantial difference in their overall sodium intake.



HEALTH BY DESIGN CELEBRATES 10 YEARS OF SERVING INDIANA THROUGH IMPROVING PEDESTRIAN INFRASTRUCTURE



In 2016, Health by Design celebrated 10 years of helping communities across Indiana improve their public spaces and transportation systems to promote healthy living and active lifestyles. The Marion County Public Health Department (MCPHD), recognizing the connection between active transportation, the built environment and public health, provided the foundational support that enabled Health by Design to start its important work. MCPHD continues its commitment to Health by Design's work because of the positive impact on the economic, social and personal health of Marion County's residents.

MCPHD NAMED ROLE MODEL BY PRODUCE FOR BETTER HEALTH FOUNDATION FOR PROMOTING FRUIT AND VEGETABLE CONSUMPTION

The Marion County Public Health Department's (MCPHD) Nutrition Services program has been a supporter of the Fruits & Veggies-More Matters mission for 25 years. In those 25 years, the Nutrition Services program has presented the Fruits & Veggies-More Matters program, the next generation of the Five-A-Day For Better Health program, to schools throughout Marion County.

In 2016, the reach of Fruits & Veggies & Veggies-More Matters expanded to include the Marion County Public Libraries with the Little Farmers' Market program. The mission of Fruits & Veggies-More Matters is to increase fruit and vegetable consumption for better health.

Each year, Produce For Better Health Foundation (PBH) honors various sectors of the retail industry and public health community for their efforts in supporting the mission of Fruits & Veggies-More Matters. This year, MCPHD, was honored to accept the award for Role Model, the highest achievement given by PBH, in promoting fruits and vegetable consumption.



HOUSING & NEIGHBORHOOD HEALTH FORMS PARTNERSHIP WITH NEIGHORLINK



In 2016, the Department of Housing and Neighborhood Health began a partnership with NeighborLink, a not-for-profit volunteer organization that serves the disabled, elderly and indigent. With resources for assistance being so far and few between, this was a huge benefit. Over 20 referrals were made to NeighborLink for assistance with repairs, trash remediation or both. Fifteen projects were completed at no cost to the homeowner.

Additionally, the housing department conducted two large-scale multi-agency sweeps, one at Keystone North, an apartment complex, and at Caribbean Cove, a well-known and highly visible hotel establishment. The Keystone North sweep resulted in orders being issued for violations found in over 100 apartment units. Keystone North sold the property soon after and the new owners made extensive renovations. The sweep at Caribbean Cove ultimately resulted in a court order to vacate the entire hotel establishment due to health and safety violations found in over 190 rooms in addition to common area, pool and restaurant violations. The property was set to be demolished in 2018 by the property's new owner and will be the site for a new hotel facility.

In 2017, the Department of Housing and Neighborhood Health began collaboration with the Neighborhood Christian Legal Clinic's Housing Justice Program to assist at little to no cost owners and tenants with legal matters concerning their property or tenancy.

The housing department also participated in the One Heart Many Hands 46201 Project, which began with One Heart Many Hands' five-year plan to continue to make home improvements in the 46201 zip code boundaries around the new development of the Justice Center. Over 2000 volunteers from all over the country and 10 full-time housing department employees volunteered their time and talent during the 46201 Project kick-off. Volunteers assisted with not only project site management, but also existing home repairs, new build projects and deliveries of materials. During kick-off week, seven new homes were built. Eight of the projects were referrals from the Housing Department. The housing department also conducted two large-scale apartment complex sweeps at Shadeland Court and Arborstone.

INDY HEARTBEAT SEEKS TO REDUCE YOUTH VIOLENCE, HOMICIDES DOJ GRANT HELPS MCPHD WORK TO REDUCE VIOLENCE IN MARION COUNTY

The Marion County Public Health Department (MCPHD) and Eskenazi Health joined community partners in a strategic effort to reduce youth violence and homicide.

Indy HeartBeat launched in 2017, shortly after the proposed project was awarded a \$1 million Safe and Thriving Communities grant from the Department of Justice's Office of Violence Prevention.

Over the course of the two-year funding period for this grant, Indy HeartBeat plans to create intervention strategies in Marion County that address violent crime among teenagers.

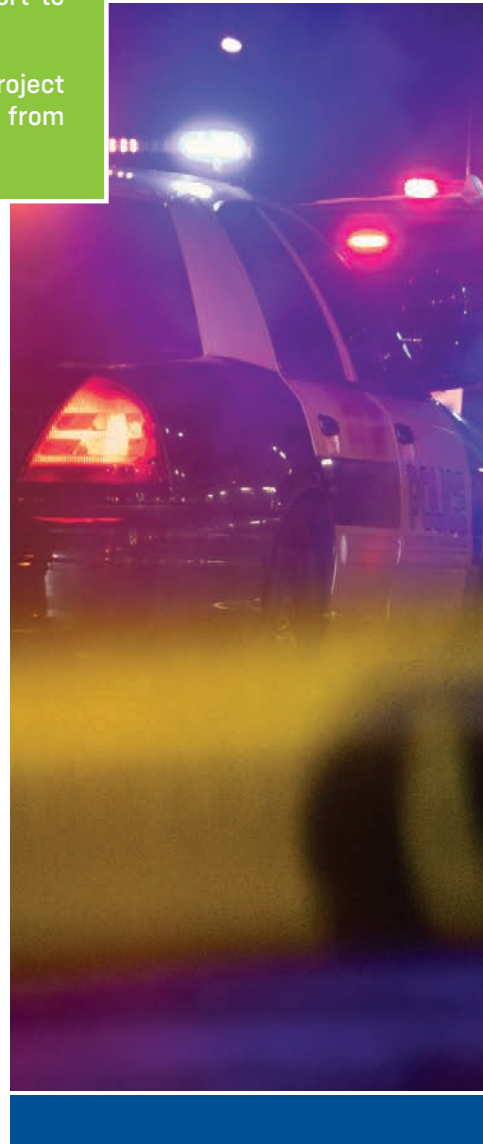
Violent crime, especially among youth, is a growing public health issue in Marion County. Homicides in the county are more than three times the national average and homicide is the leading cause of death for residents aged 10-24 years old.

From 2010-2014, approximately 350 homicide victims in Marion County were male and the homicide rate was 14 times higher among non-Hispanic blacks compared to non-Hispanic whites.

Due to these concerning numbers, Indianapolis Mayor Joe Hogsett announced a return to community-based beat policing to reduce crime, reduce the fear of crime, and enhance the quality of life. Mayor Hogsett put the plan into motion on his first day in office in January 2016 as part of this 100-day safety plan.

Community policing allows neighborhoods to become familiar with the Indianapolis Metropolitan Police Department (IMPD) officers who patrol their area.

Indy HeartBeat will build on and further advance the Mayor's plan and the IMPD beats. Indy HeartBeat will focus on a two-pronged approach that provides direct services to those who are victims or have been exposed to violent crimes while also addressing the area where they live.





STATISTICS
2016-2017



Patient and Clinic Visits	2016	2017
AHC – NOD	1,072	864
AHC – Primary	906	1,593
AHC – Pediatrics	99	1,060
AHC – OB	368	341
Total	2,445	3,858

Patient and Clinic Visits by Age	2016	2017
Infant – 9	224	991
Age 10-14	115	450
Age 15-18	346	575
Age 19-25	1,516	1,580
Age 25+	244	262
Total	2,445	3,858

Patient and Clinic Visits by Sex	2016	2017
Female	2,109	2,743
Male	335	1,114
Unknown	1	1
Total	2,445	3,858

Patient and Clinic Visits by Race	2016	2017
Black	1,572	2,346
White	311	396
Hispanic	190	405
All Other Races	372	711
Total	2,445	3,858



LEADING CHRONIC DISEASE
MORTALITY RATES* MARION COUNTY

Cause of Death	2016	2017
Cancer	168.2	170.3
Coronary Heart Disease	158.9	159.9
Stroke	34.6	38.3
Diabetes	26.6	27.7
Other	415.9	416.8
All Deaths	804.3	813.0

* Rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population

Source: MCPHD Epidemiology, DR3737



BELL FLOWER CLINIC

Disease	2016	2017
Chlamydia	9,901	10,344
Gonorrhea	4,062	4,568
Syphilis (<1 year duration)	265	301

* Source: Communicable Disease Program

Community-Based Care	2016	2017
Number of Postpartum & Newborn Visits	1,685	1,382
Tuberculosis (TB) Encounters	21,097	18,059
Home Visits	6,195	7,404
Walk-in-Services & Appointments	19,906	21,143
Reach Out & Read (# of books provided)	11,471	9,150

Vision & Hearing Screenings	2016	2017
Vision	42,502	42,935
Hearing	29,713	29,741

Source: Community-Based Care

Dental Clinic Services	2016	2017
Number of clinic sites	8	8
Number of visits at clinics	*14,803	14,769
Number of prevention services at clinics	24,343	28,394
Number of treatment services at clinics	**35,765	**41,489
Number of sealants applied	4,634	***5,137

*Denotes numbers merged with school-based education in 2017

**Includes all preventive, restorative, endodontic, and oral surgery services

***Number of sealants applied was not available from Gennesaret Blue Triangle dental or 1650 dental.

Health Education Services	2016	2017
Screenings	992	1,018
School-based education	608	949
Health fair educational	4,163	18,767
Head Start, Preschool, Daycare encounters	*784	*NA
Community Project encounters	**512	**NA

*Head Start, Preschool, Daycare encounters merged in 2017

**Community Project encounters merged in 2017

Source: Dental Health





Environmental Health Safety & Management	2016	2017
Total Weight (lbs) of Trash Removed from Properties	12,472,380	11,210,480
Total Properties Cleaned	2,280	1,7889
Cleaned by Others	547	395
Total Properties Reconciled	3,137	2,490
Food Consumer Safety	2016	2017
Food Facility Inspections	18,003	18,043
Consumer Complaints	1,179	1,168
Foodborne Illness Investigations	207	196
Licenses Issued	2016	2017
Restaurants, Taverns, Schools	3,603	3,569
Grocery Stores	1,138	1,188
Temporary Event Licenses	2,102	2,145
Mobile and Vending	249	245
Source: Food & Consumer Safety		

**Healthy Homes, Environmental Consumer
Management & Senior Care**

	2016	2017
Child Safety Trainings	16	23
Bedbug Inspection Calls	303	412
Bedbug Inspections Completed	228	310
Initial Lead Inspections	196	188
Lead Compliances	98	99
Healthy Homes Assessments	155	138
Total Blood Lead Tests	8,735	11,105
Number of Children in Case Management	258	235

Source: Healthy Homes, Environmental Consumer Management & Senior Care

Housing	2016	2017
Investigations	4,321	5,198
Initial Inspection	3,126	2,247
Reinspection	17,838	15,054
Compliances	4,775	5,571
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Trash	2016	2017
Investigations	3,250	3,539
Initial Inspection	14,933	9,974
Reinspection	22,045	16,422
Compliances	14,122	12,141
Environmental Clean Requested	3,999	2,892
Environmental Cleans Completed	3,502	2,708
Tickets Issued	2,907	2,002
Ticket Compliances	1,192	1,812
Revenue from Paid Tickets	\$113,025	\$89,775
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Vehicle	2016	2017
Investigations	291	320
Initial Inspection	708	509
Reinspection	1,019	851
Compliances	756	640
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Court	2016	2017
Trash Cases Filed for Court	2,341	2,079
Trash Court Cases Resolved	1,570	2,176
Housing Cases Filed for Court	1,352	1,495
Housing Court Cases Resolved	1,085	1,370
Total Court Cases Filed for Court	3,693	3,574
Total Court Cases Resolved	2,655	3,546



Source: Housing & Neighborhood Health



	2016	2017
Immunizations Influenza Vaccine (All Ages)	8,378	9,685
Tetanus, Diphtheria, and Pertussis Vaccine (Tdap) (<19 years of age)	2,748	2,574
Meningococcal Vaccine (<19 years of age)	3,663	3,425
Perinatal Hepatitis B (PHB) Cases	49	42

Source: Communicable Disease Program

Leading Causes of Death in 2016 (by Race)	Totals	White Non-Latino	Black Non-Latino	Latino	Other Race/Ethnicity
Malignant neoplasms	1,574	1,077	444	26	27
Diseases of heart	1,474	1,033	410	16	15
Accidents	553	383	136	23	11
Chronic lower respiratory diseases	535	452	79	1	3
Cerebrovascular diseases	319	213	98	5	3
Unspecified dementia	319	254	62	1	2
Diabetes mellitus	248	136	106	2	4
Alzheimer's disease	240	177	56	3	4
Nephritis, nephrotic syndrome & nephrosis	212	107	97	5	3
Assault (homicide)	167	35	120	7	5
Chronic liver disease & cirrhosis	145	103	36	5	1
Intentional self-harm (suicide)	131	99	25	0	7
Influenza & pneumonia	106	73	26	3	4
Septicemia	97	69	26	2	0
Certain conditions originating in the perinatal period	67	16	39	9	3
Essential hypertension & hypertensive renal disease	62	39	20	2	1
Parkinson's disease	59	54	4	0	1
Pneumonitis due to solids & liquids	54	36	14	0	4
Congenital malformations, deformations & chromosomal abnormalities	40	20	12	4	4
Other interstitial pulmonary diseases with fibrosis	39	34	4	0	1
All other causes (residual)	1,053	712	312	16	13
Total	7,494	5,122	2,126	130	116



Source: MCPHD Epidemiology, DR3737

Leading Causes of Death in 2016 (by Age)	Totals	<10	10-14	15-24	25-34	35-44	45+
Malignant neoplasms	1,574	4	6	1	15	46	1,502
Diseases of heart	1,474	3	0	4	13	38	1,416
Accidents	553	16	4	53	127	83	270
Chronic lower respiratory diseases	535	2	0	0	2	3	528
Cerebrovascular diseases	319	0	1	0	6	8	304
Unspecified dementia	319	0	0	0	0	0	319
Diabetes mellitus	248	0	0	1	1	15	231
Alzheimer's disease	240	0	0	0	0	0	240
Nephritis, nephrotic syndrome & nephrosis	212	0	0	0	3	5	204
Assault (homicide)	167	2	1	58	43	29	34
Chronic liver disease & cirrhosis	145	0	0	0	1	8	136
Intentional self-harm (suicide)	131	0	1	21	20	22	67
Influenza & pneumonia	106	3	0	0	2	1	100
Septicemia	97	0	1	0	0	5	91
Certain conditions originating in the perinatal period	67	66	0	0	0	0	1
Essential hypertension & hypertensive renal disease	62	0	0	0	0	1	61
Parkinson's disease	59	0	0	0	0	0	59
Pneumonitis due to solids & liquids	54	0	0	0	0	0	54
Congenital malformations, deformations & chromosomal abnormalities	40	27	0	2	2	1	8
Other interstitial pulmonary diseases with fibrosis	39	0	0	0	0	0	39
All other causes (residual)	1,053	20	5	10	33	56	929
Total	7,494	143	19	150	268	321	6,593

Source: MCPHD Epidemiology, DR3737

Leading Causes of Death in 2017 (by Race)	Totals	White Non-Latino	Black Non-Latino	Latino	Other Race/Ethnicity
Malignant neoplasms	1,640	1,151	435	27	27
Diseases of heart	1,515	1,063	422	13	17
Accidents	568	379	154	22	13
Chronic lower respiratory diseases	526	422	95	3	6
Cerebrovascular diseases	352	246	93	5	8
Unspecified dementia	264	197	65	0	2
Diabetes mellitus	263	144	109	6	4
Nephritis, nephrotic syndrome & nephrosis	239	121	107	7	4
Alzheimer's disease	224	147	72	1	4
Assault (homicide)	159	37	111	10	1
Chronic liver disease & cirrhosis	137	102	28	5	2
Intentional self-harm (suicide)	122	100	18	3	1
Essential hypertension & hypertensive renal disease	108	75	29	3	1
Influenza & pneumonia	100	73	25	2	0
Septicemia	88	64	19	4	1
Parkinson's disease	76	62	12	1	1
Pneumonitis due to solids & liquids	61	48	12	0	1
Certain conditions originating in the perinatal period	47	10	25	8	4
Gastrointestinal hemorrhage, unspecified	45	34	11	0	0
Aortic aneurysm & dissection	36	25	9	1	1
All other causes (residual)	1,122	747	320	29	26
Total	7,692	5,247	2,171	150	124

Source: MCPHD Epidemiology, DR3737



LEADING CAUSES OF DEATH

STATISTICS

Leading Causes of Death in 2017 (by Age)	Totals	<10	10-14	15-24	25-34	35-44	45+
Malignant neoplasms	1,640	1	1	7	14	33	1,584
Diseases of heart	1,515	1	0	5	17	47	1,445
Accidents	568	16	1	36	116	112	287
Chronic lower respiratory diseases	526	0	0	0	4	2	520
Cerebrovascular diseases	352	3	1	2	2	11	333
Unspecified dementia	264	0	0	0	0	0	264
Diabetes mellitus	263	0	0	1	3	10	249
Nephritis, nephrotic syndrome & nephrosis	239	0	0	0	1	6	232
Alzheimer's disease	224	0	0	0	0	0	224
Assault (homicide)	159	2	3	38	57	27	32
Chronic liver disease & cirrhosis	137	0	0	0	6	11	120
Intentional self-harm (suicide)	122	0	0	13	30	21	58
Essential hypertension & hypertensive renal disease	108	0	0	0	0	3	105
Influenza & Pneumonia	100	1	0	1	2	3	93
Septicemia	88	1	0	0	2	2	83
Parkinson's disease	76	0	0	0	0	0	76
Pneumonitis due to solids & liquids	61	0	0	0	0	2	59
Certain conditions originating in the perinatal period	47	46	0	0	0	0	1
Gastrointestinal hemorrhage, unspecified	45	0	0	0	0	1	44
Aortic aneurysm & dissection	36	0	0	0	1	2	33
All other causes (residual)	1,122	50	2	16	36	56	962
Total	7,692	121	8	119	291	349	6,804

Source: MCPHD Epidemiology, DR3737

LEADING CAUSES OF DEATH IN 2016 BY RACE/ETHNICITY FOR ADOLESCENTS AGES 12-18

Cause of Death	All Deaths	White Non-Latino	Black Non-Latino	Latino	Other Race/Ethnicity
Assault (homicide)	17	1	15	1	0
Accidents	13	1	7	4	1
Malignant neoplasms	5	1	2	1	1
Intentional self-harm (suicide)	3	2	0	0	1
All other causes (residual)	8	1	5	1	1
Total	46	6	29	7	4



LEADING CAUSES OF DEATH IN 2017 BY RACE/ETHNICITY FOR ADOLESCENTS AGES 12-18

Cause of Death	All Deaths	White Non-Latino	Black Non-Latino	Latino	Other Race/Ethnicity
Assault (homicide)	17	3	13	1	0
Accidents	6	4	2	0	0
Intentional self-harm (suicide)	4	0	4	0	0
Malignant neoplasms	3	2	1	0	0
All other causes (residual)	9	2	6	1	0
Total	39	11	26	2	0

Source: MCPHD Epidemiology, DR3737



Infant Mortality Rates by Race

(Number of infants who died during first year of life per 1,000 live births)

Year	2016	2017
White*	6.6	5.5
Black*	15.8	12.6
Hispanic	8.5	6.8
All Races	10.0	8.3

Neonatal Mortality Rates by Race

(Number of infants who died during first 28 days of life per 1,000 live births)

Year	2016	2017
White*	4.2	3.7
Black*	12.2	7.3
Hispanic	6.5	3.9
All Races	7.3	5.1

*Non-Hispanic only

Source: MCPHD Epidemiology DR3737

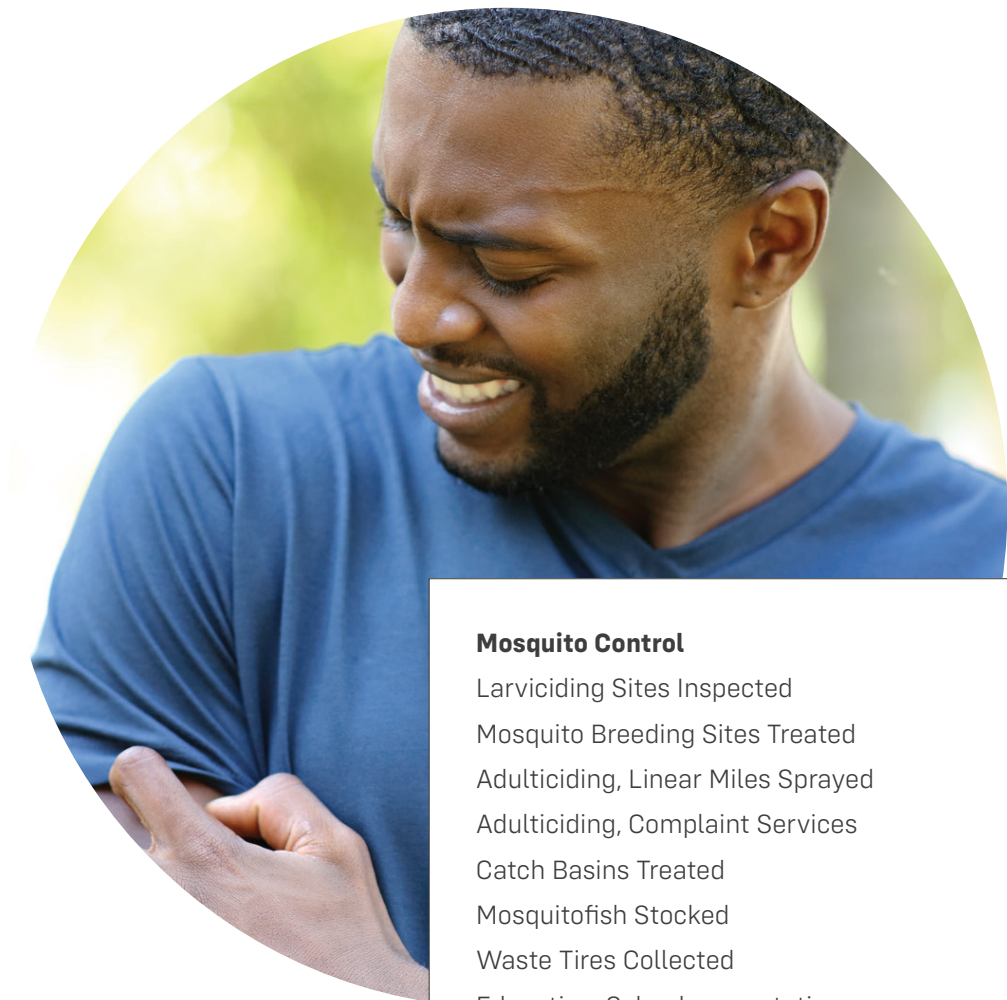


Births to Teen Mothers

Year	Mother's Race	Total Births, All Ages	Total Births, Mothers 10-19	Percent of Total Births
2016	White*	4,977	260	5.2%
	Black*	3,927	356	9.1%
	Hispanic	1,996	174	8.7%
	Total**	11,989	849	7.1%
2017	White*	4,910	252	5.1%
	Black*	3,977	350	8.8%
	Hispanic	2,070	205	9.9%
	Total**	12,071	861	7.1%

*Non-Hispanic only

**Totals include races other than those listed



Mosquito Control	2016	2017
Larviciding Sites Inspected	17,987	17,429
Mosquito Breeding Sites Treated	8,410	7,491
Adulticiding, Linear Miles Sprayed	4,775	4,512
Adulticiding, Complaint Services	8,486	9,230
Catch Basins Treated	46	873
Mosquitofish Stocked	2,221	2,739
Waste Tires Collected	6,603	5,219
Education, School presentations	20	13
Education, Health Fairs	8	7
Bee Nests Treated	8	6
Mosquitoes Tested for WNV	17,006	13,673

Source: Mosquito Control



Nutrition Services	2016	2017
Breast Feeding (BF)	123	127
Medical Nutrition Therapy (MNT) Home Visits	142	175
More Matters (MM)	3,370	2,098
Little Farmer's Market (LFM)	2,458	2,380
Girls on the Run (GOTR)	989	1,424
Nutrition Education Encounters	12,770	16,283
Commodity Food Program	6,003	13,069
Total Nutrition Services	25,855	35,556

Source: Nutrition Services



	2016	2017
Clinical Laboratory	97,283	94,695
Environmental Laboratory	60,526	79,337

Source: Public Health Laboratory

Country of Origin	2016
Afghanistan	18
Central African Republic	11
Congo	27
Congo, Dem. Rep. Of	128
Cuba	33
Egypt	16
Eritrea	12
Ethiopia	29
India	7
Iraq	28
Jordan	12
Malaysia	194
Myanmar	764
Nepal	5
Somalia	43
Sudan	25
Syrian Arab Republic	195
Tanzania, United Rep	75
Thailand	17
Turkey	7
Uganda	30
Countries with <5	24
TOTAL	1,700



Country of Origin	2017
Afghanistan	29
Congo, Dem, Rep. of	57
Egypt	5
El Salvador	5
Eritrea	26
Ethiopia	36
Iraq	8
Jordan	5
Kenya	16
Malaysia	48
Moldova, Republic of	5
Myanmar	237
Namibia	5
Rwanda	5
Somalia	55
Syrian Arab Republic	72
Tanzania, United Rep	14
Thailand	6
Turkey	5
Uganda	35
Zambia	9
Countries with <5	28
TOTAL	711



Rodent Control	2016	2017
Complaints	3,103	2,914
Presentations	4	4
Properties Surveyed	228	436
Dumpsters Surveyed	4,001	1,591
Waste Tires Collected	1,944	335

Source: Rodent Control



Gender	2016	2017
Female	19.1%	21.9%
Male	80.9%	78.1%
Race/Ethnicity	2016	2017
White, non-Hispanic	28.4%	19.3%
Black, non-Hispanic	54.9%	61.8%
Hispanic	11.8%	14.2%
Other	4.9%	4.7%
Age at Diagnosis (Years)	2016	2017
<15	0.0%	0.4
15-24	22.6%	29.2%
25-34	36.8%	34.8%
35-44	18.6%	15.9%
45-54	14.7%	29.2%
55-64	7.4%	4.3%
65+	0.0%	1.7%
Exposure Category	2016	2017
Men having sex with men (MSM)	51.0%	53.8%
Injection drug use (IDU)	2.0%	2.6%
MSM and IDU	5.4%	1.7%
High-risk heterosexual contact	27.9%	25.3%
Presumed heterosexual contact (CSTE)	2.5%	3.4%
Mother-to-child (perinatal exposure)	0%	0.4%
No identified risk	10.8%	7.7%
No reported risk	0.5%	6.0%
Total Residents Newly HIV-Diagnosed (N)	204	233

Source: Indiana State Department of Health. (2016). CDC enhanced HIV/AIDS reporting system (eHARS data extract)

Reference MCPHD, Epidemiology request DR2792

SELECTED NOTIFIABLE DISEASES

STATISTICS

HIV/AIDS	2016	2017
Acquired Immunodeficiency Syndrome	36	37
Conversions	57	56
HIV Infections	166	196

Enteric Diseases	2016	2017
Campylobacteriosis	73	70
Cryptosporidiosis	7	13
Enterohemorrhagic E. coli	24	24
Giardiasis	28	22
Salmonellosis	72	66
Shigellosis	40	47

Hepatitis	2016	2017
A	1	4
B-Acute	41	43
B-Chronic	245	175
C-Acute	30	72
C-Chronic	1,066	1,088

Meningitis/Bacteremia	2016	2017
Invasive Streptococcus Groups A & B	58	49
Invasive Streptococcus pneumoniae	98	117
Resistant to PCN	2	2
Meningococcal Disease	0	4

Respiratory Diseases	2016	2017
Histoplasmosis	29	46
Legionellosis	29	34
Tuberculosis	43	39

Sexually Transmitted Diseases	2016	2017
Chlamydia	9,901	10,344
Gonorrhea	4,062	4,568
Syphilis	265	301

Vaccine Preventable Diseases	2016	2017
Mumps	65	5
Pertussis	24	37
Varicella	29	16
Influenza Deaths	20	15

Selected Syndromes	2016	2017
Influenza-Like Illness**	5,836	6,534
Gastrointestina**l	85,050	80,142
West Nile Virus Disease	1	2

**Numbers reflect electronic syndromic surveillance of emergency department data.

Source: Communicable Disease Program

Social Work Overall Services	2016	2017
Number of Procedures	8,362	7,570
Number of Clients	1,213	1,237
Number of Encounters	6,415	6,130
Adolescent Health Services	2016	2017
Number of Procedures	1,726	1,583
Number of Clients	208	200
Number of Encounters	1,250	1,223
District/Housing/Mary Rigg	2016	2017
Total Number of Procedures	5,614	5,422
Number of Clients	981	1,081
Number of Encounters	4,378	4,412
School Based Services	2016	2017
Number of Procedures	1,022	565
Number of Clients	96	53
Number of Encounters	787	495
School Based Services (Encounters)	2016	2017
Crispus Attucks Medical Magnet High School	314	144
Charles A. Tindley Accelerated School	210	257
John Marshall Community High School	263	94

Source: Social Work





Marion County Birth Statistics	2016	2017
Total Births	18,192	17,303
Births to Residents	12,675	12,669
Certified Copies: Birth Certificates	52,369	52,573
Marion County Death Statistics	2016	2017
Total Deaths	10,594	10,905
Deaths of Residents	7,456	7,578
Fetal Deaths	168	117*
Fetal Deaths of Residents	112	49*
Certified Copies: Death Certificates	50,585	53,594

* As of 3/2/18, there were also 42 known Fetal Deaths unresolved with 25 of those residents (17 non-residents); therefore, the above is estimated at: 159FD, 74 residents

Water Quality & Hazardous Materials Management	2016	2017
Public Pool Inspections	5,467	5,457
Public Pool Samples	4,054	5,155
Public Pool Construction Inspections	9	16
Drinking Water Well Samples	234	382
Septic Construction Approval	116	159
Septic Code Enforcement	1,085	1,004
Repair Septic Permits Issued	80	113
New Septic Permits Issued	20	15
Well Permits Issued	105	97
Pump Permits Issued	212	266
Childcare Facilities Licenses Issued	36	33
Childcare Site Surveys Requested	3	2
Tattoo Licenses Issued	59	87
Body Art Facilities Checked	227	273
Public Pool Facilities Licensed	883	848
Indoor Air Quality Inspections	2,488	2,044
Radon Detectors Placed	87	56
Wellfield Inspections	142	35
Hazardous Materials Inspections	698	707
Public File Review Requests	403	373
Sewer Connection Inspections	2,162	2,618
Sewer Yard Surveys	5,088	7,657
Surface Water Samples	2,590	2,598
Source: Water Quality & Hazardous Materials Management		





Women, Infants & Children (WIC)	2016	2017
Average number clients receiving WIC benefits per month	30,778	30,886



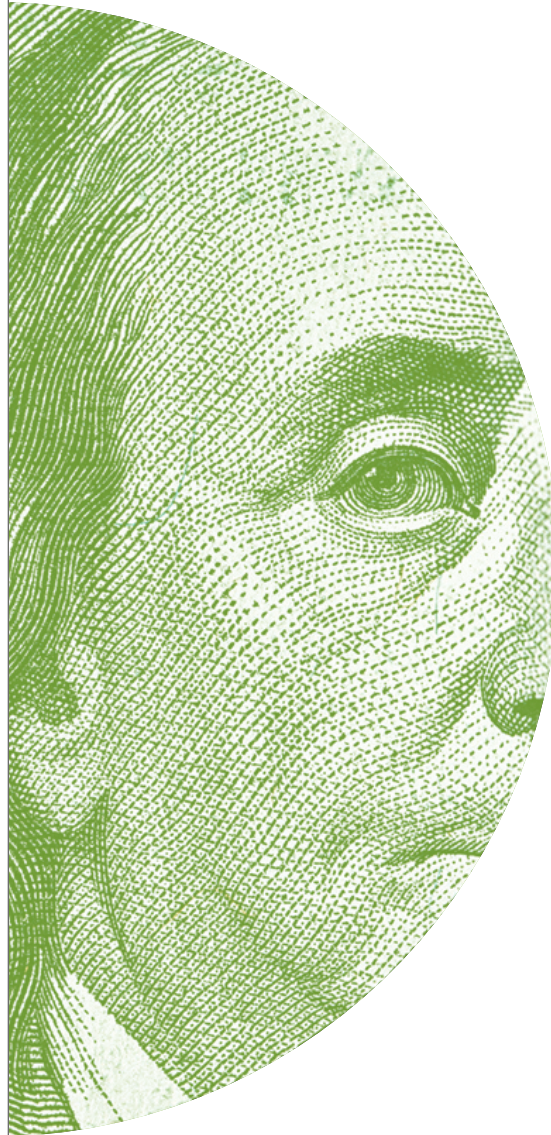
Expenditures

Administration

	2016	2017
Administrative Services	3,034,074	3,454,736
Support Services	2,528,383	2,696,663
Total Administration	5,562,457	6,151,399

Population Health

	2016	2017
Clinical Preventive	198,787	192,050
Epidemiology	1,151,004	1,120,547
Chronic Disease	1,191,844	1,290,954
Health Promotion	1,008,562	1,192,993
Violence Prevention	307,487	297,517
Injury Prevention	4,061	35,998
Maternal/Child Health	3,545,957	3,364,738
School Health	1,707,652	1,588,269
Dental Health	3,425,841	3,658,582
Adolescent Health	1,384,311	1,199,788
Nutrition Services	6,748,705	7,016,073
Social Work Services	974,584	904,418
Vital Statistics	1,174,488	1,119,168
Central Records	98,150	115,632
Community-Based Care	4,709,083	5,061,628
Foreign-Born Care	1,036,988	1,079,266
HIV/AIDS	5,252,417	4,847,315
Immunization Services	2,203,478	1,938,471
Sexually Transmitted Diseases	4,028,643	4,416,977
Laboratory	2,192,719	2,191,067
Infectious Disease Control	1,814,588	1,783,565
Public Health Preparedness	410,647	340,981
Substance Use Outreach	700,574	741,802
TB Control	1,229,280	1,365,141
Total Population Health	46,499,849	46,862,939



Expenditures

Environmental Health	2016	2017
Water Quality/Hazardous Materials Management	2,281,748	2,248,184
Unsafe Building Program	638	0
Foodborne Disease Program	1,848,191	1,960,765
Environmental Control	2,009,667	1,665,737
Housing &Neighborhood Health	3,476,061	3,129,715
Rodent Control	378,698	380,551
Mosquito Control	1,182,301	1,254,588
Systematic Code Enforcement	376,223	297,314
Lead Safe and Healthy Homes	1,081,599	1,215,657
Total Environmental Health	12,635,126	12,152,510

Total Expenditures	64,697,433	65,166,848
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Revenues

Taxes	38,211,822	38,294,515
Licenses & Permits	4,486,788	4,575,778
Intergovernmental	535,427	574,607
Grants	18,827,143	19,385,498
Charges and Services	1,889,315	1,461,004
Miscellaneous	746,939	875,447
Total Revenues	64,697,433	65,166,848



Virginia A. Caine, MD

Director & Chief Medical Officer

Karen Holly, MBA

Chief Operating Officer

Darren Klingler, MPA, VRP-C

Chief, Bureau of Population Health

Virgil Madden

Director of Diversion Programs & Civic Engagement

Tara L. Parchman, MBA

Director of Finance

Dana Reed Wise, MPH, REHS

Chief, Bureau of Environmental Health

Action Health Center
2860 North Pennsylvania Street
Indianapolis, IN 46205

Bed & Britches, Etc. (BABE)
4040 North Rural Street
Indianapolis, IN 46205

Bell Flower Clinic
640 Eskenazi Avenue
Indianapolis, IN 46202

Environmental Health & Safety Management
4040 North Rural Street
Indianapolis, IN 46205

Epidemiology
3901 Meadows Drive
Indianapolis, IN 46205

Facilities Maintenance
3999 Millersville Road
Indianapolis, IN 46205

Food & Consumer Safety
4701 North Keystone Avenue
Indianapolis, IN 46205

Healthy Homes, Environmental Consumer Management & Senior Care
3901 Meadows Drive
Indianapolis, IN 46205

Healthy Families
4720 Kingsway Drive, Suite 100
Indianapolis, IN 46205

Housing & Neighborhood Health
3838 North Rural Street
Indianapolis, IN 46205

Mosquito Control
4001 East 21st Street
Indianapolis, IN 46218

Northeast District Health Office
6042 East 21st Street
Indianapolis, IN 46219

Northwest District Health Office
Pecar Health Center
6940 North Michigan Road
Indianapolis, IN 46268

Ryan White & HIV Programs
1650 North College Avenue
Indianapolis, IN 46202

Vector Borne Disease Prevention - Rodent Control
4001 East 21st Street
Indianapolis, IN 46218

South District Health Office
7551 South Shelby Street
Indianapolis, IN 46227

Substance Use Outreach Services
1650 North College Avenue
Indianapolis, IN 46202

Water Quality & Hazardous Materials Management
3901 Meadows Drive
Indianapolis, IN 46205





*REPORT TO OUR
COMMUNITY
2016-2017*