

St. Joseph County Health Department

2014 Annual Report

Thomas A. Felger, MD

Health Officer, 1/01/14 – 9/26/14

Dale D. Deardorff, MD

Interim Health Officer, 9/27/14 – 12/31/14

Nick Molchan, MPA, REHS

Administrator

Main Office

St. Joseph County Health Department
227 West Jefferson Boulevard
South Bend, IN 46601
(574) 235-9750

Branch Office

219 Lincolnway West
Mishawaka, IN 46544
(574) 256-6223

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Board of Health Members

President

Michael Harding
Appointed by the County Commissioners
Democrat, Term Expires December 31, 2017

Vice President

Dale D. Deardorff, MD
Appointed by Mayor of Mishawaka
Independent, Term Expires December 31, 2015

Secretary

Vacant

Members

Jeffrey Buchs, DVM
Appointed by the Mayor of South Bend
Republican, Term Expires December 31, 2016

Sharon Imes, RN, MSN, CEN
Appointed by the County Commissioners
Democrat, Term Expires December 31, 2016

Mark Kricheff, M.D.
Appointed by the County Commissioners
Independent, Term Expires December 31, 2017

David Roos
Appointed by the Mayor of South Bend
Democrat, Term Expires December 31, 2015

Vacant
Appointed by Mayor of South Bend
Term Expired December 31, 2014

Board Attorney

J. David Keckley, JD

Mission, Vision and Value Statements

Mission

To promote physical and mental health and facilitate the prevention of disease, injury and disability for all St. Joseph County residents.

Vision

Healthy people in a healthy St. Joseph Community

Values

Daily we will:

Carry out the MISSION of the Health Department while striving to achieve EXCELLENCE in our work product and interactions with customers and coworkers.

Exhibit INTEGRITY in the workplace, always being truthful, honest and trustworthy.

Show RESPECT to customers, supervisors, coworkers and oneself.

Display a POSITIVE ATTITUDE.

ADVOCATE for our community's health.

Health Officer

2014 was a year of challenge for the St. Joseph County Health Department. We had retirements of long time employees, including Health Officer Dr. Thomas Felger and Food Service Director Rita Hooton. The financial situation in St. Joseph County continued to adversely affect the Department, and for the first time budget cuts affected services. The Department had to close the STD Clinic and Mishawaka Vital Records office, decrease the Immunization Clinic hours and eliminate the school-based Flu Mist program. Despite these issues, the Department continued to function at a high level with dedicated employees in all Divisions.

The Nursing Division handled several outbreaks of community and Nosocomial infections and were professional in TB case management. Emergency preparedness was challenged with Ebola planning and partner coordination. Under the leadership of the Health Education Division, the Community Health Alliance brought together many local agencies to collaborate on improving the health of our county. The Food Service Division instituted a survey of those who were inspected in order to gather feedback. The Vital Records Division continued to work in both the digital and manual worlds with efficiency. The Environmental Division participated in and led the institution of a Drinking Water Protection Plan for the county. As Interim Health Officer and Vice President of the Board of Health, I appreciate the efforts of the Health Department to maintain and improve the health of the people of St. Joseph County, Indiana.

St. Joseph County Health Department Staff

Staffing as of 12/31/2014

Dale D. Deardorff, MD – Interim Health Officer

Nick Molchan, MPA, REHS – Administrator

Mary Rooney – Executive Assistant

Amy Ruppe – Finance Manager

Epidemiology & Emergency Preparedness

Genessa Doolittle, MPH, CHES – Supervisor

Paul Burrows – Local Public Health Coordinator

Environmental Health Services

Marc Nelson – Director

Linda Mauller, BS – Assistant Director

Denise Kingsberry – Administrative Assistant

LaTeesha Wright – Staff Assistant

Mark Espich

Matt Gavelek, P.E.

Whitney Griffin

Adrienne Lenyo

Jeff Murawski

Paula Reinhold

Food Services

Carolyn Smith, BS, C.F.S.P. – Director

Kevin Harrington, BS, C.F.S.P. – Assistant
Director

Pam Thompson – Administrative Assistant

Sharyl Smith – Staff Assistant

Susan Burnett, BS

Karen Flanigan, BA, C.F.S.P.

Melissa Papp

Sara Schaefer

Health Education

Robin Vida, MPH, CHES – Director

Kirstin Boyd, BS, CHES

Spencer Landeck, BS

Lissette Santana

Nursing

Christine Hinz, RN, BSN – Director

Christina Wheeler, RN, BSN – Assistant Director

Neiko Rust, RN – Assistant Director

Linda Brock, RN, BSN

Jennifer Costello, RN

Donna Donlin-Sriver – Medical Records/Registrar

Carol Frazee – Billings Clerk

Diana Laidlaw, RN

Jessica Lemon, RN

Lori Montgomery, RN, BSN

Susan Rabe, RN

Paula Sulentic

Connie Wawrzyniak

Vital Records

Ericka Tijerina, BS – Supervisor

Zamiki Chism – Assistant Supervisor

Sue Sjoberg

Katie Way, CMA

Financial

During FY2014, the Health Department re-applied for the Bioterrorism/Emergency Preparedness program grant after taking a year off in 2013. In regards to revenue, the Health Department saw another decrease in fee revenue, which, when compared to 2013, was down by approximately 5.65%. The Health Department saw a significant decrease in tax support, which was approximately 39% less than in 2013.

- A \$3,500 NACCHO grant for our Medical Reserve Corp program
 - (valid 01/05/13 thru 07/31/14)
- A \$23,722 ISDH grant for our Bioterrorism/Emergency Preparedness program
 - (valid 07/10/14 thru 06/30/15)
- A \$50,000 grant for our Influenza Immunization program
 - (valid 07/01/14 thru 12/31/14)
- A \$72,672 ISDH grant for our Local Health Maintenance program
 - (valid 01/01/14 thru 12/31/14)
- A \$143,446.97 Local Health Department Trust Account grant from ISDH
 - (valid 07/01/13 thru 12/31/14)
- A \$392,060 grant for our Health H.U.D. program
 - (valid 05/01/12 thru 04/30/15)

*Amounts listed above are “Award Amounts”, not amounts actually spent.

	2012	2013	2014
County Health Fund Taxes	\$650,523.85	\$1,188,156.34	\$720,310.20
County Health Fund Fees	\$1,156,467.21	\$1,153,704.02	\$1,088,521.08
Grant Revenue	\$304,205.70	\$634,222.97	\$306,575.98
TOTAL REVENUE	\$2,111,196.76	\$2,976,083.33	\$2,115,407.26
County Health Fund Expenses	\$2,155,058.56	\$2,531,178.79	\$2,575,691.41
Grant Expenses	\$313,610.55	\$694,897.06	\$325,096.52
TOTAL EXPENSES	\$2,468,669.11	\$3,226,075.85	\$2,900.787.93

County Health Fund 1159 - Revenue

(includes object codes 000 and 800)

	<u>2012</u>	<u>2013</u>	<u>2014</u>
Beginning Balance	\$1,090,325.83	\$766,416.46	\$267,214.01
Tax Revenue	\$650,523.85	\$1,188,156.34	\$720,310.20
Fees			
Environmental Services	\$289,999.81	\$324,599.97	\$334,377.00
Food Services	\$254,247.00	\$258,175.00	\$281,152.50
Nursing Services	\$309,068.22	\$272,565.36	\$197,273.66
Vital Records Services	\$315,569.75	\$306,478.25	\$300,248.50
Total Fees	\$1,168,884.78	\$1,161,818.58	\$1,113,051.66
Credit Charged to Account	-\$5,040.63	-\$6,383.58	-\$9,805.04
(Includes (minus) LESS Charge 1 Sales (plus) Credit Charged to Account)			
Charity Care / Write-off's	-\$15,282.25	-\$15,158.27	-\$16,298.02
Other Revenue	\$7,905.31	\$13,427.29	\$1,572.48
(Includes Reimbursements, Transfer of Funds, Refunds, Return or Voided Checks and Non-Identified Revenue)			
SUBTOTAL	\$2,897,316.89	\$3,108,276.82	\$2,076,045.29
Trust Fund	\$95,631.31	\$7,108.27	\$0.00
TOTAL for Fund 1159	\$2,992,948.20	\$3,115,385.09	\$2,076,045.29
Beginning Balances for			
Other Funds/Grants	\$128,939.89	\$72,428.03	\$324,861.26
Other Funds/Grants	\$208,574.39	\$627,114.70	\$306,575.98
TOTAL REVENUE	\$3,330,462.48	\$3,814,927.82	\$2,707,482.53

County Health Fund 1159 - Expenses

(includes object codes 000 and 800)

	<u>2012</u>	<u>2013</u>	<u>2014</u>
Personal Services	\$1,952,872.41	\$2,308,266.17	\$2,373,167.75
Supplies	\$27,919.28	\$33,322.72	\$33,471.06
Other Services and Charges	\$174,266.87	\$189,589.90	\$169,052.60
SUBTOTAL	\$2,155,058.56	\$2,531,178.79	\$2,575,691.41
Trust Fund	\$71,473.18	\$316,992.29	\$0.00
TOTAL for Fund 1159	\$2,226,531.74	\$2,848,171.08	\$2,575,691.41
Other Funds/Grants	\$242,137.37	\$377,904.77	\$325,096.52
TOTAL EXPENSES	\$2,468,669.11	\$3,226,075.85	\$2,900,787.93

Epidemiology & Emergency Preparedness

The Epidemiology & Emergency Preparedness Division is responsible for:

- Communicable disease investigation and surveillance
- Medical countermeasure dispensing planning
- Coordination of Emergency Support Function #8
- Emergency preparedness collaboration with other response agencies
- Emergency preparedness training and education

The Epidemiology & Emergency Preparedness Division provided support to other Divisions within the Health Department in the investigation and surveillance of communicable disease and public health threats. The Division also provided data to community workgroups as requested.

The Division participated in two full scale emergency exercises in 2014 (the 2014 St. Joseph County Airport Emergency Preparedness Exercise and the 2014 United States Postal Service Biohazard Detection System Exercise). A new Closed Point of Dispensing Site was added to the Health Department's plans, and emergency response equipment and technology was updated. The Division also conducted quarterly meetings of the Emergency Support Function #8, and convened workgroups to create plans for Ebola Virus Disease response and inclement weather plans for functional needs populations. Most importantly, the Division was able to significantly increase membership in the Medical Reserve Corps of St. Joseph County (MRC) through agency and community presentations.

The Division continued to collaborate with other organizations, providing representation on the Michiana Perinatal Consortium, the Child Fatality Review Team, the Penn-Harris-Madison District Safe Schools Committee, the Indiana State Department of Health's Public Health Emergency Preparedness Cooperative Agreement Committee, the District 2 Healthcare Coalition IN MRC, and numerous trainings and meetings with community preparedness partners.

Environmental Health Services

The Environmental Health Division implements the following programs to reduce the release of pathogens into the environment where they may expose the public. Most programs are regulatory driven.

- Septic System Permitting and Inspection Program
- Subdivision Planning and Review Program
- Wellhead Protection Permitting and Inspection Program
- Well Drilling and Water Supply Permitting Program
- Source Water Protection Program
- Lead and Healthy Homes Program
- Concentrated Animal Feeding Operations Permitting and Inspection Program
- Air Quality Program
- Vector Program
- Solid Waste Disposal Program
- Massage Permitting and Inspection Program
- Tattoo and Body Piercing Permitting and Inspection Program

Accomplishments in 2014

Staffing

Three of nine environmental health specialists resigned this year.

Drinking Water Protection Plan

The County is preparing a Drinking Water Protection Plan to assess the impact of septic systems on drinking water quality and develop alternatives for reducing that impact. The project is being guided by a Technical Working Group consisting of scientists, engineers, land use planners, industry representatives, and public officials.

The first phase of the project was to characterize the extent of contamination, which was completed last year. The second phase was to prepare the technical analysis of alternatives for addressing the problem, which was started this year and is 75% complete. The community outreach and education program was also initiated this year, and will include the preparation of educational videos, establishment of a web site, and holding several large and many small group meetings.

The loss of staff has severely delayed the project.

Source Water Protection Program

Many drinking water contamination issues were investigated and resolved this year, including the contamination of wells through the application of an aquatic herbicide to a lake and a major release of gasoline from an underground storage tank.

Lead Based Paint Hazard Control

The Division participated in 19 health fairs and other public events to test children for lead and provide information about preventing lead poisoning to parents. 89 children were tested at these events, which exceeded all outreach requirements of the three year grant.

Other Programs

Other programs proceeded as planned with no significant issues.

Work Activities	2012	2013	2014
Septic Program			
Inspections Performed	699	818	771
Consultations Performed	23	25	27
Subdivision Program			
Health Officer Reports	41	39	31
Subdivision Reviews	48	45	32
Rezoning & Replat Reviews	19	18	18
Wellhead Program			
Inspections Performed	157	246	103
Well Drilling Program			
On-Site Inspections Performed	312	236	150
Well Abandonments	92	232	159
Source Water Program			
Phase I Inquiries	123	57	75
Spill Responses	8	9	5
Meth Lab Occurrence Response	15	10	18
Other Source Water Inspections	105	96	65
Surface Water Program			
Surface Water Sampling	0	2	1
Lead Program			
HUD Lead Inspections	19	27	49
Lead Risk Assessments	72	90	60
Public Information Events	25	20	19
Children Tested for Lead Poisoning	3,559	2,370	1,485
CAFO Program			
Inspections Performed	0	8	0
Air Quality Program			
Indoor Air Quality Investigations	0	1	0
Mold Investigations	0	2	3
Vector Program			
Larvacide Swimming Pools/Stagnant Water	12	0	7
Healthy Homes Program			
Total Complaints	94	138	78
Dwellings Declared Unfit	8	10	15
Massage Program			
Establishment Inspections Performed	76	93	69
Tattoo/Body Piercing Program			
Inspections Performed	12	17	15

Work Activities continued	2012	2012	2014
Complaints / Investigations			
Trash	55	94	58
Sewage	86	58	71
Water (ditches, lakes, ponds & swells)	4	4	3
Motels/Hotels	4	3	0
Burning	10	14	7
Other	29	17	14
Abatement Correspondence			
Abatement Letters Sent	66	74	85
Immediate Threat to Public Health Letters Sent	10	5	2
Impending Legal Action Letters Sent	10	7	18

Food Services

The Food Services Division of the St. Joseph County Health Department is authorized by state and local laws to ensure that its 1,239 licensed food establishments serve food that is safe, honestly presented and not the possible source of a food related illness outbreak. To accomplish this, the Food Services inspection staff conduct unannounced on-site inspections designed to assess an establishment's level of compliance with state requirements and the extent of their adherence to local regulations. The number of inspections an establishment receives annually is determined by the complexity of the menu and degree preparation required.

The Food Services Division is also responsible for investigating complaints, reviewing plans for new or extensively remodeled establishments, performing inspections at temporary events, conducting Public/Semi Public Pool inspections and investigating pool complaints. Additionally, staff conducts fire investigations, consults with establishments on regulations and food safety and is sometimes required to collect samples for state analysis.

2014 Highlights

Staffing

A decrease in overall retail inspections is attributed to a divisional change in the frequency of inspections conducted at food establishments with lower risk menus. The change was necessary during the fourth quarter due to staff reductions resulting from the retirement of two Food Division staff.

Mobile Street Vending

The Division began collaboration with the City of South Bend's Licensing Department, discussing and then drafting guidelines that would allow food trucks to operate independent of any planned celebration or event. Growing industry trends and increasing inquiries from prospective mobile street food vendors have been the impetus for revising regulations and establishing procedures that will permit Mobile Street vending in St. Joseph County by spring of 2015.

Pools

Two staff members obtained Certified Pool Operators credentials and were trained to perform pool and spa inspections.

Food Division	2012	2013	2014
Complaints - Food Service	117	122	141
Complaints - Food Store	26	26	27
Certificates of Perfect Inspection	463	528	512
Abatement Correspondence	14	28	25
Health Officer Hearings	13	8	17
Number of Opening Inspections	223	195	194
Retail Inspections Completed	2,224	2,807	2,507
Establishments Ordered to Cease Operations	27	15	30
Temporary Events *	114	155	164
Temporary Inspections	630	857	1,040
Possible Food Borne Illness Investigations	9	0	7
Smoking Complaints	39	28	2
Fire Investigations	17	6	8
Pool Information			
Number of Inspections	174	166	164
Consultations	55	62	58
Pool Complaints	7	13	4
Closings**	33	33	33
Staff Development			
Meetings and Trainings (Total In Hours)	64.58	86	51.25

*Events listed are for the number of temporary events - not the number of days the event was in operation.

**Closed due to improper water quality reports or facilities not submitting water reports as required by ISDH.

Health Education

TOPIC	2012		2013		2014	
	School (K-College)	Adults	School (K-College)	Adults	School (K-College)	Adults
Wellness	49	149	335	126	474	112
Substance Abuse Prevention	11	2	2	7	0	7
Communicable Disease	2	18	0	24	0	15
Sexuality	79	12	83	27	74	19
Chronic Disease	7	41	10	13	0	3
Total Presentations (participants)	370 (6,870)		627 (12,830)		704 (13,352)	

Total Number of Events
(Health Fairs, Community Events, etc.)

	2012	2013	2014
	25	38	37
Total Participants	1,587	2,877	3,135

Highlighted Programs/Projects/Events

Health Education

The Health Education staff increased involvement in the school systems through implementation of the CATCH Program, and has continued to expand the Prescription to Play Program in partnership with the United Way.

St. Joseph County Health Improvement Alliance

More than forty different public health partners continue to work collaboratively on major health issues, system infrastructure and partner communication.

Reducing Obesity Coalition of St. Joseph County (ROC)

In partnership with several ROC members, the “Family Passport to Play” program was extended to a year-long initiative. The Walking School Bus Program was expanded to six Primary Centers. The Collective Impact Project for obesity is in its second stage, with Health Education staff assisting the United Way in gathering data from approximately two thousand school-aged children. Lastly, Mayor Buttigieg declared South Bend a “Let’s Move City” early in 2014; by the end of 2014 South Bend had received several awards in three out of the five “Let’s Move” categories.

Nursing

The Nursing Division includes the Public Health Nursing Division, the Immunization Clinics, Tuberculosis case management, and Medical Records. The Nursing Division is committed to community and public health nursing. They are advocates for providing access to care to the citizens of St. Joseph County. Nursing staff function in multiple roles within the Health Department and continue to expand their knowledge and skills.

Numbers included in these tables are subject to change following Indiana State Department of Health reconciliation.

Communicable Disease Surveillance						
Condition	2012		2013		2014*	
	Started	Confirmed	Started	Confirmed	Started	Confirmed
Arboviral (other)	0	0	0	0	1	0
Babesiosis	1	0	0	0	0	0
Brucellosis	1	1	0	0	0	0
Campylobacteriosis	36	25	46	11	50	7
Cholera (toxigenic Vibrio cholera 01 or 0139)	1	0	0	0	0	0
Cryptococcus neoformans	2	2	2	2	0	0
Cryptosporidiosis	7	5	12	10	13	8
Dengue	2	0	0	0	2	0
Ehrlichiosis	1	0	2	0	1	0
Encephalitis (Arthropod - borne and Primary)	1	1	0	0	0	0
Giardiasis	21	20	9	8	12	7
Hemolytic uremic syndrome	1	1	1	1	0	0
Hepatitis A	4	0	8	4	6	1
Hepatitis B – Acute	46	1	49	1	41	4
Hepatitis C – Acute	192	3	207	3	178	0
Hepatitis E	0	0	1	0	1	0
Histoplasmosis	16	9	3	2	5	5
Influenza - Associated Death	0	0	4	4	8	7
Invasive Haemophilus Influenzae**	8	8	6	5	3	2
Legionellosis	9	7	17	14	24	23
Leptospirosis	0	0	0	0	1	0
Listeriosis	2	2	1	1	2	2
Lyme Disease	30	7	44	11	62	18
Malaria	1	1	0	0	1	1
Measles (Rubeola)**	2	0	3	0	0	0
Meningitis, other	11	11	7	7	0	0
Meningococcal Invasive Disease	0	0	1	1	1	1
Mumps**	1	0	2	0	4	2

Communicable Disease Continued	2012		2013		2014*	
	Started	Confirmed	Started	Confirmed	Started	Confirmed
Pertussis (Whooping Cough)**	36	15	51	34	33	28
Rocky Mountain Spotted Fever	2	0	2	0	0	0
Salmonellosis	23	21	18	18	22	20
Shiga-toxin producing E. coli (O157 and others)	11	8	8	4	8	4
Shigellosis	94	44	5	4	61	58
Staphylococcus Aureus (VRSA) Invasive Disease	0	0	1	0	1	0
Streptococcal disease, invasive, Group B, Newborn	2	2	2	2	3	3
Streptococcus Group A Invasive Disease	12	12	8	7	14	13
Streptococcus Group B Invasive Disease	21	20	29	27	26	24
Streptococcus Pneumoniae (Invasive Pneumococcal Disease)**	49	43	49	43	37	37
Streptococcus Pneumoniae Invasive, Drug-Resistant (DRSP)	0	0	0	0	2	2
Tetanus	1	0	0	0	0	0
Toxic-shock syndrome, Streptococcal (STSS)	3	3	2	2	0	0
Varicella (Chickenpox)	20	5	11	3	6	0
Vibriosis (non-cholera Vibrio Species infections)	1	1	0	0	0	0
West Nile virus non-neuroinvasive Disease (aka West Nile Fever)	1	0	0	0	1	0
Yersiniosis	3	3	1	1	1	1
Total	675	281	612	230	631	278

*YTD data reflects the date ranges of 01/01/2014 – 12/31/2014 as of 02/13/2015.

** Positive laboratory reports along with known demographics are forwarded to ISDH for investigations by the staff of the Vaccine-Preventable Disease Epidemiologist.

Tuberculosis			
	2012	2013	2014
TST Placed	1,673	1,676	715*
TST Positive	49	48	11*
Suspect Cases	5	125	218**
Active Cases	3	8	6

*National shortage of Tubersol resulted in limited supply available to test patients.

**Change in ISDH case management requirements and improved reporting of local cases resulted in an increase in cases.

Immunizations			
	2012	2013	2014
Td Adult, Preservative Free	18	24	35
Tdap	1,039	969	851
Dtap	321	200	193
DTaP/HepB/IPV	157	225	252
Dtap/IPV	250	207	209
Dtap/Hib/IPV	312	110	57
IPV	246	191	267
PCV13	709	429	388
PPSV23	8	11	13
MMR	883	306	282
Varicella	1,094	491	386
MMRV	50	335	324
Hib	329	321	317
Pediatric Hepatitis A	1,156	1,139	1,340
Pediatric Hepatitis B	366	163	158
Adult Hepatitis A	244	183	150
Adult Hepatitis B	419	230	171
Adult Hepatitis A and B	212	290	197
Pediatric Influenza	321	137	327
Flu Mist	5,077*	6,153**	***307
Adult Influenza	1,298	841	416
Menomune	276	0	0
Meningitis	361	170	980
HPV Quadrivalent	493	713	1,119
Rotavirus Monovalent	220	128	104
Rotavirus Pentavalent	5	14	16
Typhoid, Oral	200	219	132
Typhoid, VICPS	160	151	145
Yellow Fever	143	174	86
Total Clinic Visits	8,387	10,624	4,419
Immunizations Administered	16,367	14,524	9,222

*2012 Flu Mist included 5,350 children in 37 elementary schools.

**2013 Flu Mist included 4,935 children in 37 elementary schools.

***Flu Mist not offered in schools in 2014.

Case Management for Elevated Blood Lead Levels			
	2012	2013	2014
New Cases Received	22	14	96*
Follow-up Cases Open at Close of the Year	31	25	49*
Cases Closed	27	21	68*

*Change in CDC case management requirements, changing case definition from “children with blood lead levels $\geq 10\mu\text{g/dL}$ ” to “children with blood lead levels $\geq 5\mu\text{g/dL}$ ”.

Animal Bites						
	2012		2013		2014	
	Reported	Rabies +	Reported	Rabies +	Reported	Rabies +
Canine	347	0	321	0	363	0
Feline	93	0	92	0	117	0
Bat	36	1	17	0	16	1
Other	9	0	12	0	19	1
In County	181	0	142	0	101	0
Out of County	7	0	26	0	28	0
South Bend	180	0	155	0	273	0
Mishawaka	119	0	119	0	113	0
Total	439	1	442	0	515	2

Vital Records

The data below includes all events that occurred within St. Joseph County during 2014. Numbers included in these tables are subject to change following Indiana State Department of Health reconciliation.

Birth Data			
	2012	2013	2014
Gender			
Male	2,074	2,134	2,168
Female	2,048	2,060	2,079
Total Births	4,122	4,194	4,247
Race/Ethnicity			
White	3,294	3,293	3,277*
African American	707	770	566*
Asian Pacific	105	94	105*
Native American	6	22	2*
Other	10	15	266*
Hispanic	479	496	517*
Non-Hispanic	3,636	3,693	3,699*
Unknown	4	4	0*
Not Categorized	3	1	0*
Birth Weight (in grams)^A			
< 1,000 (Extremely Low Birth Weight)	52	44	78*
1,000 – 1,500 (Very Low Birth Weight)	47	52	66*
1,501 – 2,500 (Low Birth Weight)	311	317	452*
> 2,501	3,711	3,776	3,609*
Unknown	1	5	11*
Maternal Age (in years)			
< 15	2	1	3
15 – 18	178	206	165
19 – 24	1,175	1,269	1,194
25 – 29	1,273	1,202	1,271
30 – 34	1,015	1,017	1,043
35 – 39	381	410	477
≥ 40	98	89	94
Maternal Characteristics^B			
Inadequate Prenatal Care	519	422	455*
No Prenatal Care	32	24	57*
Tobacco Use	509	556	1,772*

^A Transfers from Out of County residents included.

^B Change in reporting system requires that these questions must now be answered prior to completing form.

Birth Data continued	2012	2013	2014
Residency			
St. Joseph County Resident	3,250	3,305	3,285
Out-of-County Resident	872	889	962
Place of Birth			
Memorial Hospital	2,794	2,295	2,498
Saint Joseph Regional Medical Center	1,303	1,740	1,704
Not Categorized**	25	59	45
Birth Characteristics			
Twins	135	76	86
Triples	0	3	3
Cesarean Births	911 (22%)	1,294 (31%)	1,052 (25%)*
Congenital Anomalies	8	7	16*
Other			
Correction of Birth Certificate	169	171	96
Adoptions Processed	173	149	33

*Missing file due to software conversion resulted in a loss of data for 31 births.

**Births that due to State computer system glitch cannot be categorized accurately by Saint Joseph Regional Medical Center, Residence, or Other.

Mortality Data			
	2012	2013	2014
Gender			
Male	1,305	1,335	1,390
Female	1,230	1,388	1,439
Unknown	1	0	0
Total	2,536	2,723	2,829
Race/Ethnicity			
White	2,226	2,386	2,523*
African American	268	287	280*
Asian Pacific	14	13	10*
Native American	2	5	7*
Other	0	3	1*
Hispanic	26	29	42*
Age at Death			
Fetal Mortality Rate	5.5 per 1,000	5.4 per 1,000	7.8 per 1,000
0 – 28 days	32	29	34
29 days – 1 year	7	7	13
Infant Mortality Rate	6.5 per 1,000	8.2 per 1,000	8.5 per 1,000
1 year – 24 years	46	38	48
25 years – 44 years	90	102	120
45 years – 64 years	498	523	530
≥ 65 years	1,863	2,024	2,084

Mortality Data continued	2012	2013	2014
Marital Status			
Married	910	992	974
Widowed	891	930	1,032
Single	345	355	390
Divorced	384	432	428
Unknown	6	14	5
Residence of Decedent			
South Bend	1,339	1,431	1,427*
Mishawaka	469	523	562*
St. Joseph County	367	403	396*
Other Indiana Counties	232	209	277*
Other States	129	157	159*
Other – Outside of United States	0	0	0*
Place of Death			
Nursing Home/Extended Care Facility	828	759	915
Residence	744	818	876
Memorial Hospital	483	456	478*
Saint Joseph Regional Medical Center	238	345	358*
Other	243	345	127*

*8 deaths reassigned due to incorrect filing status.

Causes of Death	2012	2013	2014
AIDS	3	2	1*
Alzheimer's and Dementia	178	194	174*
Aspiration Pneumonia	181	164	129*
Cardiovascular			
Coronary Artery Disease/Arteriosclerosis Heart Disease and Vascular Heart Disease	226	226	217*
Other Heart Disease	243	283	262*
Congestive Heart Failure	157	185	140*
Cerebral Vascular Accident	84	91	86*
Chronic Obstructive Pulmonary Disease and Emphysema	90	98	82*
Renal Failure	73	79	40*
Cancer – Gastrointestinal			
Colon	34	35	40*
Pancreatic	38	43	34*
Esophageal	5	12	13*
Rectal	7	4	6*
Cancer – Respiratory	104	147	142*
Cancer – Urogenital	84	81	66*

Causes of Death continued	2012	2013	2014
Cancer - Integumentary			
Breast	23	41	29*
Skin	22	10	3*
Cancer – Heme and Lymph			
Leukemia	20	17	18*
Lymphoma	22	24	24*
Other Cancers	103	100	13*
Total Cancer Deaths	462	514	496*
Accidental Deaths			
Drug Related	26	36	42*
Motor Vehicle	40	37	40*
Other Accidents	30	44	31*
Suicides (Total)	27	39	36*
Drugs	2	5	2*
Firearms	16	18	20*
Hanging	4	14	8*
Other	5	2	6*
Homicides (Total)	19	13	22*
Misc.	526	605	1,012*

*8 deaths reassigned due to incorrect filing status.