

2007–2011 Indiana County Age-Specific Child Emergency Department and Hospitalization Rates

Overview

Why age-specific rates?

Age-specific rates are the rates of incidence of a specific age group. For the purpose of this report, age-specific rates indicate the particular rate of emergency department visits or hospitalizations in the 5 to 17 year age group for the county.

Where did the data come from?

Data on child asthma hospital discharges and emergency department (ED) visits were obtained from Indiana’s Hospital Discharge Data source, which includes over 95% of Indiana hospitals. These data contain de-identified health record details on patient demographics, charges, diagnoses, procedures and residence by zip code.

Who was included in the rate?

Asthma hospitalizations and ED visits were defined as a primary diagnosis using ICD-9-CM diagnosis code 493 (inclusive) for an Indiana child resident (ages 5-17) receiving treatment at an Indiana hospital during the 2007 to 2011 calendar years (January 1, 2007 to December 31, 2011).

Why are some rates missing?

Age-specific rates are suppressed if the number of hospitalizations or ED visits for a particular county is less than or equal to 5. Rates are considered unstable if less than or equal to 20 hospitalizations or ED visits occurred in the county.

Indiana Rates, 2007–2011

Rate Name	Description	Count	Age-specific Rates
Child Asthma Emergency Department Visits	Rate of asthma emergency department visits among children ages 5 to 17 per 10,000 people	36,270	62.81
Child Asthma Hospitalizations	Rate of asthma hospitalizations among children ages 5 to 17 per 10,000 people	5,208	9.02

For more information on asthma in Indiana

Visit the Indiana State Department of Health’s Asthma [Data and Reports](http://www.in.gov/isdh/17279.htm) website at <http://www.in.gov/isdh/17279.htm>. For more health-related data, visit [Indiana INdicators](http://indianaindicators.org/) at <http://indianaindicators.org/>.



Chronic Respiratory Disease Program



Child Asthma Emergency Department Visits by County, Indiana, 2007–2011

County	Count	Age-specific Rates**
ADAMS	101	28.40
ALLEN	1,814	53.85
BARTHOLOMEW	206	30.41
BENTON	32	39.92
BLACKFORD	75	70.50
BOONE	236	42.85
BROWN	12	*
CARROLL	52	29.57
CASS	191	54.18
CLARK	471	51.71
CLAY	115	49.22
CLINTON	186	59.69
CRAWFORD	38	42.34
DAVISS	107	35.30
DEARBORN	137	30.35
DECATUR	132	56.85
DEKALB	115	28.90
DELAWARE	618	64.42
DUBOIS	100	26.60
ELKHART	1,036	52.90
FAYETTE	115	56.51
FLOYD	349	53.94
FOUNTAIN	143	95.88
FRANKLIN	38	17.64
FULTON	77	42.95
GIBSON	176	62.17
GRANT	578	99.37
GREENE	82	29.51
HAMILTON	1,094	37.71
HANCOCK	367	57.87
HARRISON	127	39.38
HENDRICKS	514	37.63
HENRY	284	72.18
HOWARD	592	83.03
HUNTINGTON	152	46.84
JACKSON	223	60.23
JASPER	57	18.62
JAY	86	43.09
JEFFERSON	88	32.02
JENNINGS	114	43.14
JOHNSON	671	51.37
KNOX	169	53.42
KOSCIUSKO	276	39.07
LAGRANGE	115	27.28
LAKE	4,077	88.28
LAPORTE	695	75.77
LAWRENCE	159	41.26
MADISON	986	90.77
MARION	8,903	112.22



Child Asthma Emergency Department Visits by County, Indiana, 2007–2011 (cont.)

County	Count	Age-specific Rates**
MARSHALL	137	30.82
MARTIN	27	31.64
MIAMI	230	77.04
MONROE	184	17.87
MONTGOMERY	209	62.84
MORGAN	465	73.63
NEWTON	15	*
NOBLE	112	24.61
OHIO	18	*
ORANGE	98	56.21
OWEN	65	35.18
PARKE	59	45.36
PERRY	103	72.54
PIKE	28	27.72
PORTER	770	52.88
POSEY	49	21.63
PULASKI	54	46.11
PUTNAM	131	41.89
RANDOLPH	183	81.21
RIPLEY	112	42.64
RUSH	153	97.50
ST. JOSEPH	1,269	51.70
SCOTT	167	80.41
SHELBY	328	84.32
SPENCER	55	31.17
STARKE	172	84.63
STEUBEN	95	32.11
SULLIVAN	85	51.11
SWITZERLAND	21	24.31
TIPPECANOE	801	55.73
TIPTON	67	49.64
UNION	¥	¥
VANDEBURGH	1,066	73.92
VERMILLION	85	62.75
VIGO	571	64.37
WABASH	67	24.68
WARREN	41	56.10
WARRICK	272	50.87
WASHINGTON	29	11.61
WAYNE	439	78.28
WELLS	111	45.66
WHITE	154	74.26
WHITLEY	88	30.28

¥ Rates and counts are suppressed if counts are less than or equal to 5.

*Rates are considered unstable, and thus not reported, if counts are less than or equal to 20.

**Age-specific rates are per 10,000 population.



Child Asthma Hospitalizations by County, Indiana, 2007–2011

County	Count	Age-specific Rates**
ADAMS	14	*
ALLEN	168	4.99
BARTHOLOMEW	39	5.76
BENTON	¥	¥
BLACKFORD	10	*
BOONE	42	7.63
BROWN	¥	¥
CARROLL	¥	¥
CASS	10	*
CLARK	53	5.82
CLAY	15	*
CLINTON	16	*
CRAWFORD	¥	¥
DAVISS	7	*
DEARBORN	7	*
DECATUR	15	*
DEKALB	24	6.03
DELAWARE	76	7.92
DUBOIS	33	8.78
ELKHART	137	7.00
FAYETTE	10	*
FLOYD	55	8.50
FOUNTAIN	6	*
FRANKLIN	¥	¥
FULTON	15	*
GIBSON	20	*
GRANT	52	8.94
GREENE	12	*
HAMILTON	132	4.55
HANCOCK	56	8.83
HARRISON	8	*
HENDRICKS	106	7.76
HENRY	32	8.13
HOWARD	66	9.26
HUNTINGTON	49	15.10
JACKSON	12	*
JASPER	19	*
JAY	8	*
JEFFERSON	11	*
JENNINGS	12	*
JOHNSON	92	7.04
KNOX	19	*
KOSCIUSKO	52	7.36
LAGRANGE	¥	¥
LAKE	514	11.13
LAPORTE	121	13.19
LAWRENCE	18	*
MADISON	118	10.86
MARION	1,714	21.61
MARSHALL	27	6.07



Child Asthma Hospitalizations by County, Indiana, 2007–2011 (cont.)

County	Count	Age-specific Rates**
MARTIN	7	*
MIAMI	11	*
MONROE	28	2.72
MONTGOMERY	17	*
MORGAN	39	6.18
NEWTON	¥	¥
NOBLE	24	5.27
OHIO	¥	¥
ORANGE	¥	¥
OWEN	8	*
PARKE	9	*
PERRY	9	*
PIKE	¥	¥
PORTER	108	7.42
POSEY	10	*
PULASKI	¥	¥
PUTNAM	15	*
RANDOLPH	18	*
RIPLEY	12	*
RUSH	10	*
SCOTT	¥	¥
SHELBY	51	13.11
SPENCER	¥	¥
ST. JOSEPH	245	9.98
STARKE	18	*
STEUBEN	12	*
SULLIVAN	8	*
SWITZERLAND	¥	¥
TIPPECANOE	45	3.13
TIPTON	12	*
UNION	¥	¥
VANDEBURGH	115	7.97
VERMILLION	7	*
VIGO	90	10.15
WABASH	19	*
WARREN	¥	¥
WARRICK	31	5.80
WASHINGTON	11	*
WAYNE	81	14.44
WELLS	25	10.28
WHITE	13	*
WHITLEY	15	*

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** Age-specific rates are per 10,000 population.



Child Asthma Emergency Department Visits by Rate, Indiana, 2007–2011

County	Count	Age-specific Rates**
MARION	8,903	112.22
GRANT	578	99.37
RUSH	153	97.50
FOUNTAIN	143	95.88
MADISON	986	90.77
LAKE	4,077	88.28
STARKE	172	84.63
SHELBY	328	84.32
HOWARD	592	83.03
RANDOLPH	183	81.21
SCOTT	167	80.41
WAYNE	439	78.28
MIAMI	230	77.04
LAPORTE	695	75.77
WHITE	154	74.26
VANDEBURGH	1,066	73.92
MORGAN	465	73.63
PERRY	103	72.54
HENRY	284	72.18
BLACKFORD	75	70.50
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WARREN	41	56.10
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CASS	191	54.18
FLOYD	349	53.94
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JAY	86	43.09
FULTON	77	42.95
BOONE	236	42.85
RIPLEY	112	42.64
CRAWFORD	38	42.34
PUTNAM	131	41.89
LAWRENCE	159	41.26
BENTON	32	39.92
HARRISON	127	39.38
KOSCIUSKO	276	39.07
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SPENCER	55	31.17
MARSHALL	137	30.82
BARTHOLOMEW	206	30.41
DEARBORN	137	30.35
WHITLEY	88	30.28
CARROLL	52	29.57
GREENE	82	29.51
DEKALB	115	28.90
ADAMS	101	28.40
PIKE	28	27.72
LAGRANGE	115	27.28
DUBOIS	100	26.60
WABASH	67	24.68
NOBLE	112	24.61
SWITZERLAND	21	24.31
POSEY	49	21.63
JASPER	57	18.62
MONROE	184	17.87
FRANKLIN	38	17.64
WASHINGTON	29	11.61
UNION	¥	¥
BROWN	12	*
NEWTON	15	*
OHIO	18	*

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HANCOCK	56	8.83
DUBOIS	33	8.78
FLOYD	55	8.50
HENRY	32	8.13
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DELAWARE	76	7.92
HENDRICKS	106	7.76
BOONE	42	7.63
PORTER	108	7.42
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MARSHALL	27	6.07
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WARRICK	31	5.80
BARTHOLOMEW	39	5.76
NOBLE	24	5.27
ALLEN	168	4.99
HAMILTON	132	4.55
TIPPECANOE	45	3.13
MONROE	28	2.72
GIBSON	20	*
JASPER	19	*
KNOX	19	*
WABASH	19	*
LAWRENCE	18	*
RANDOLPH	18	*
STARKE	18	*
MONTGOMERY	17	*
CLINTON	16	*
CLAY	15	*
DECATUR	15	*
FULTON	15	*
PUTNAM	15	*
WHITLEY	15	*
ADAMS	14	*



Child Asthma Hospitalizations by Rate, Indiana, 2007–2011 (cont.)

County	Count	Age-specific Rates**
WHITE	13	*
GREENE	12	*
JACKSON	12	*
JENNINGS	12	*
RIPLEY	12	*
STEBEN	12	*
TIPTON	12	*
JEFFERSON	11	*
MIAMI	11	*
WASHINGTON	11	*
BLACKFORD	10	*
CASS	10	*
FAYETTE	10	*
POSEY	10	*
RUSH	10	*
PARKE	9	*
PERRY	9	*
HARRISON	8	*
JAY	8	*
OWEN	8	*
SULLIVAN	8	*
DAVISS	7	*
DEARBORN	7	*
MARTIN	7	*
VERMILLION	7	*
FOUNTAIN	6	*
BENTON	¥	¥
BROWN	¥	¥
CARROLL	¥	¥
CRAWFORD	¥	¥
FRANKLIN	¥	¥
LAGRANGE	¥	¥
NEWTON	¥	¥
OHIO	¥	¥
ORANGE	¥	¥
PIKE	¥	¥
PULASKI	¥	¥
SCOTT	¥	¥
SPENCER	¥	¥
SWITZERLAND	¥	¥
UNION	¥	¥
WARREN	¥	¥

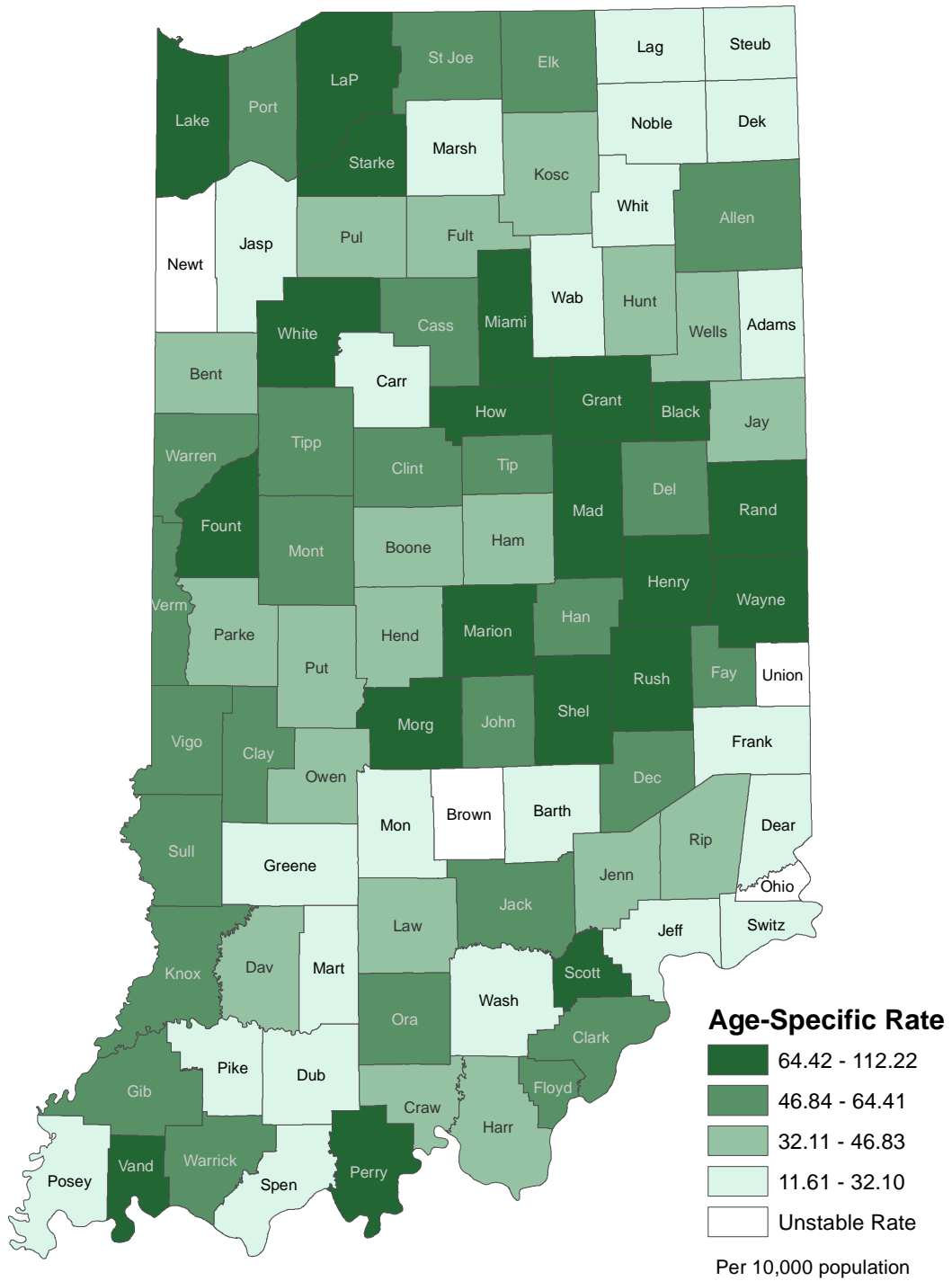
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Child Asthma Emergency Department Visits, Indiana, 2007-2011





Child Asthma Hospitalizations, Indiana, 2007-2011

