

2008–2012 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 (ED) 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 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 asthma encounter using ICD-9-CM diagnosis code 493 (inclusive) for an Indiana child resident (ages 5-17) discharged from an Indiana hospital during the 2008 to 2012 calendar years (January 1, 2008 to December 31, 2012). Data were aggregated to increase the opportunity for reporting in counties that do not meet the reporting threshold (see below). ED rates also include patients discharged from the ED and admitted into the hospital.

Why are some rates missing?

Age-specific rates and counts were suppressed if the number of hospitalizations or ED visits for a particular county was less than 5. Rates were considered unstable if less than 20 hospitalizations or ED visits occurred in the county.

Indiana Rates, 2008–2012

Rate Name	Description	Year	Count	Age-specific Rates
Child Asthma ED Visits	Rate of asthma emergency department visits among children ages 5 to 17 per 10,000 Indiana children (5-17 years)	2008-2012	36,943	63.8
Child Asthma ED Visits	Rate of asthma emergency department visits among children ages 5 to 17 per 10,000 Indiana children (5-17 years)	2012	7,189	61.7
Child Asthma Hospitalizations	Rate of asthma hospitalizations among children ages 5 to 17 per 10,000 Indiana children (5-17 years)	2008-2012	5,437	9.4
Child Asthma Hospitalizations	Rate of asthma hospitalizations among children ages 5 to 17 per 10,000 Indiana children (5-17 years)	2012	1,113	9.5

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, 2008–2012

County	Count	Age-specific Rates**
ADAMS	84	23.3
ALLEN	2,112	62.3
BARTHOLOMEW	208	30.3
BENTON	40	49.5
BLACKFORD	72	68.5
BOONE	227	39.9
BROWN	15	*
CARROLL	55	30.9
CASS	158	44.4
CLARK	490	53.2
CLAY	107	45.7
CLINTON	172	54.9
CRAWFORD	30	33.6
DAVISS	95	30.6
DEARBORN	141	31.1
DECATUR	133	56.5
DEKALB	124	31.0
DELAWARE	628	67.2
DUBOIS	83	21.9
ELKHART	1,056	53.4
FAYETTE	114	55.3
FLOYD	338	52.1
FOUNTAIN	145	97.1
FRANKLIN	37	17.0
FULTON	80	44.2
GIBSON	179	62.7
GRANT	634	110.9
GREENE	82	29.3
HAMILTON	1,078	36.2
HANCOCK	357	54.7
HARRISON	123	37.6
HENDRICKS	487	34.6
HENRY	276	69.3
HOWARD	605	85.6
HUNTINGTON	167	52.1
JACKSON	242	64.7
JASPER	86	27.7
JAY	87	43.3
JEFFERSON	79	29.0
JENNINGS	103	38.8
JOHNSON	645	48.6
KNOX	172	55.3
KOSCIUSKO	289	40.8
LAGRANGE	133	30.8
LAKE	4,095	88.8
LAPORTE	686	75.0
LAWRENCE	176	45.2
MADISON	991	91.2
MARION	9,182	115.7



Child Asthma Emergency Department Visits by County, Indiana, 2008–2012 (cont.)

County	Count	Age-specific Rates**
MARSHALL	157	34.9
MARTIN	23	26.7
MIAMI	218	72.7
MONROE	185	18.8
MONTGOMERY	210	63.5
MORGAN	480	75.8
NEWTON	19	*
NOBLE	146	32.0
OHIO	18	*
ORANGE	87	49.3
OWEN	71	38.7
PARKE	67	51.1
PERRY	154	107.3
PIKE	20	19.7
PORTER	737	50.2
POSEY	49	21.9
PULASKI	54	46.3
PUTNAM	133	43.1
RANDOLPH	166	72.7
RIPLEY	107	40.3
RUSH	151	96.4
ST. JOSEPH	1,257	51.8
SCOTT	157	76.0
SHELBY	300	76.7
SPENCER	60	33.8
STARKE	170	83.6
STEBEN	115	39.3
SULLIVAN	77	46.1
SWITZERLAND	20	22.6
TIPPECANOE	791	56.3
TIPTON	75	55.1
UNION	¥	*
VANDEBURGH	1,058	74.0
VERMILLION	84	61.5
VIGO	574	65.9
WABASH	82	30.2
WARREN	41	57.0
WARRICK	253	46.2
WASHINGTON	43	17.0
WAYNE	435	77.5
WELLS	107	44.1
WHITE	142	67.6
WHITLEY	115	39.3

¥ Counts are suppressed if they are less than 5.

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

** Age-specific rates are per 10,000 Indiana children (5-17 years).



Child Asthma Hospitalizations by County, Indiana, 2008–2012

County	Count	Age-specific Rates**
ADAMS	13	*
ALLEN	180	5.3
BARTHOLOMEW	42	6.1
BENTON	¥	*
BLACKFORD	11	*
BOONE	43	7.6
BROWN	¥	*
CARROLL	¥	*
CASS	10	*
CLARK	45	4.9
CLAY	15	*
CLINTON	14	*
CRAWFORD	¥	*
DAVISS	7	*
DEARBORN	7	*
DECATUR	17	*
DEKALB	25	6.3
DELAWARE	69	7.4
DUBOIS	24	6.3
ELKHART	142	7.2
FAYETTE	10	*
FLOYD	53	8.2
FOUNTAIN	¥	*
FRANKLIN	¥	*
FULTON	11	*
GIBSON	20	7.0
GRANT	58	10.1
GREENE	12	*
HAMILTON	134	4.5
HANCOCK	55	8.4
HARRISON	9	*
HENDRICKS	109	7.7
HENRY	33	8.3
HOWARD	68	9.6
HUNTINGTON	37	11.5
JACKSON	11	*
JASPER	18	*
JAY	8	*
JEFFERSON	10	*
JENNINGS	10	*
JOHNSON	106	8.0
KNOX	17	*
KOSCIUSKO	50	7.1
LAGRANGE	¥	*
LAKE	494	10.7
LAPORTE	108	11.8
LAWRENCE	19	*
MADISON	109	10.0
MARION	2,003	25.2
MARSHALL	26	5.8



Child Asthma Hospitalizations by County, Indiana, 2008–2012 (cont.)

County	Count	Age-specific Rates**
MARTIN	7	*
MIAMI	14	*
MONROE	27	2.7
MONTGOMERY	16	*
MORGAN	46	7.3
NEWTON	¥	*
NOBLE	21	4.6
OHIO	¥	*
ORANGE	5	*
OWEN	11	*
PARKE	11	*
PERRY	7	*
PIKE	¥	*
PORTER	104	7.1
POSEY	9	*
PULASKI	6	*
PUTNAM	16	*
RANDOLPH	20	8.8
RIPLEY	14	*
RUSH	8	*
ST. JOSEPH	259	10.7
SCOTT	5	*
SHELBY	49	12.5
SPENCER	6	*
STARKE	18	*
STEUBEN	12	*
SULLIVAN	6	*
SWITZERLAND	¥	*
TIPPECANOE	50	3.6
TIPTON	8	*
UNION	¥	*
VANDEBURGH	107	7.5
VERMILLION	9	*
VIGO	84	9.6
WABASH	18	*
WARREN	¥	*
WARRICK	28	5.1
WASHINGTON	8	*
WAYNE	78	13.9
WELLS	19	*
WHITE	14	*
WHITLEY	16	*

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**Age-specific rates are per 10,000 Indiana children (5-17 years).



Child Asthma Emergency Department Visits by Rate, Indiana, 2008–2012

County	Count	Age-specific Rates**
MARION	9,182	115.7
GRANT	634	110.9
PERRY	154	107.3
FOUNTAIN	145	97.1
RUSH	151	96.4
MADISON	991	91.2
LAKE	4,095	88.8
HOWARD	605	85.6
STARKE	170	83.6
WAYNE	435	77.5
SHELBY	300	76.7
SCOTT	157	76.0
MORGAN	480	75.8
LAPORTE	686	75.0
VANDEBURGH	1,058	74.0
RANDOLPH	166	72.7
MIAMI	218	72.7
HENRY	276	69.3
BLACKFORD	72	68.5
WHITE	142	67.6
DELAWARE	628	67.2
VIGO	574	65.9
JACKSON	242	64.7
MONTGOMERY	210	63.5
GIBSON	179	62.7
ALLEN	2,112	62.3
VERMILLION	84	61.5
WARREN	41	57.0
DECATUR	133	56.5
TIPPECANOE	791	56.3
FAYETTE	114	55.3
KNOX	172	55.3
TIPTON	75	55.1
CLINTON	172	54.9
HANCOCK	357	54.7
ELKHART	1,056	53.4
CLARK	490	53.2
FLOYD	338	52.1
HUNTINGTON	167	52.1
ST. JOSEPH	1,257	51.8
PARKE	67	51.1
PORTER	737	50.2
BENTON	40	49.5
ORANGE	87	49.3
JOHNSON	645	48.6
PULASKI	54	46.3
WARRICK	253	46.2
SULLIVAN	77	46.1
CLAY	107	45.7
LAWRENCE	176	45.2



Child Asthma Emergency Department Visits by Rate, Indiana, 2008–2012 (cont.)

County	Count	Age-specific Rates**
CASS	158	44.4
FULTON	80	44.2
WELLS	107	44.1
JAY	87	43.3
PUTNAM	133	43.1
KOSCIUSKO	289	40.8
RIPLEY	107	40.3
BOONE	227	39.9
WHITLEY	115	39.3
STEUBEN	115	39.3
JENNINGS	103	38.8
OWEN	71	38.7
HARRISON	123	37.6
HAMILTON	1,078	36.2
MARSHALL	157	34.9
HENDRICKS	487	34.6
SPENCER	60	33.8
CRAWFORD	30	33.6
NOBLE	146	32.0
DEARBORN	141	31.1
DEKALB	124	31.0
CARROLL	55	30.9
LAGRANGE	133	30.8
DAVISS	95	30.6
BARTHOLOMEW	208	30.3
WABASH	82	30.2
GREENE	82	29.3
JEFFERSON	79	29.0
JASPER	86	27.7
MARTIN	23	26.7
ADAMS	84	23.3
SWITZERLAND	20	22.6
POSEY	49	21.9
DUBOIS	83	21.9
PIKE	20	19.7
MONROE	185	18.8
WASHINGTON	43	17.0
FRANKLIN	37	17.0
NEWTON	19	*
OHIO	18	*
BROWN	15	*
UNION	¥	*

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**Age-specific rates are per 10,000 Indiana children (5-17 years).

**Child Asthma Hospitalizations by Rate, Indiana, 2008–2012**

County	Count	Age-specific Rates**
MARION	2,003	25.2
WAYNE	78	13.9
SHELBY	49	12.5
LAPORTE	108	11.8
HUNTINGTON	37	11.5
LAKE	494	10.7
ST. JOSEPH	259	10.7
GRANT	58	10.1
MADISON	109	10.0
VIGO	84	9.6
HOWARD	68	9.6
RANDOLPH	20	8.8
HANCOCK	55	8.4
HENRY	33	8.3
FLOYD	53	8.2
JOHNSON	106	8.0
HENDRICKS	109	7.7
BOONE	43	7.6
VANDEBURGH	107	7.5
DELAWARE	69	7.4
MORGAN	46	7.3
ELKHART	142	7.2
PORTER	104	7.1
KOSCIUSKO	50	7.1
GIBSON	20	7.0
DUBOIS	24	6.3
DEKALB	25	6.3
BARTHOLOMEW	42	6.1
MARSHALL	26	5.8
ALLEN	180	5.3
WARRICK	28	5.1
CLARK	45	4.9
NOBLE	21	4.6
HAMILTON	134	4.5
TIPPECANOE	50	3.6
MONROE	27	2.7
LAWRENCE	19	*
WELLS	19	*
JASPER	18	*
STARKE	18	*
WABASH	18	*
DECATUR	17	*
KNOX	17	*
MONTGOMERY	16	*
PUTNAM	16	*
WHITLEY	16	*
CLAY	15	*
CLINTON	14	*
MIAMI	14	*
RIPLEY	14	*



Child Asthma Hospitalizations by Rate, Indiana, 2008–2012 (cont.)

County	Count	Age-specific Rates**
WHITE	14	*
ADAMS	13	*
GREENE	12	*
STEBEN	12	*
BLACKFORD	11	*
FULTON	11	*
JACKSON	11	*
OWEN	11	*
PARKE	11	*
CASS	10	*
FAYETTE	10	*
JEFFERSON	10	*
JENNINGS	10	*
HARRISON	9	*
POSEY	9	*
VERMILLION	9	*
JAY	8	*
RUSH	8	*
TIPTON	8	*
WASHINGTON	8	*
DAVISS	7	*
DEARBORN	7	*
MARTIN	7	*
PERRY	7	*
PULASKI	6	*
SPENCER	6	*
SULLIVAN	6	*
ORANGE	5	*
SCOTT	5	*
BENTON	¥	*
BROWN	¥	*
CARROLL	¥	*
CRAWFORD	¥	*
FOUNTAIN	¥	*
FRANKLIN	¥	*
LAGRANGE	¥	*
NEWTON	¥	*
OHIO	¥	*
PIKE	¥	*
SWITZERLAND	¥	*
UNION	¥	*
WARREN	¥	*

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Child Asthma Emergency Department Visits, Indiana, Children 5–17 years, 2008–2012



