

2023

Immunization Division



County Immunization Rate Assessment



Indiana
Department
of
Health



Data Dictionary	3
2023 County Rate Assessment	4
Background.....	4
Methods.....	4
Limitations.....	5
Results	6
TABLE 1: Ten Lowest Rates by County	7
TABLE 2: Ten Highest Rates by County.....	7
TABLE 3: Summary 2022 and 2023 Indiana Assessment.....	8
Discussion	8
Recommendations	8
Conclusions.....	9
References	10

Appendix A: Indiana Immunization Rates by County for Series Completion
4:3:1:3:3:1:4 among Children Aged 19-35 Months, 2023.....

Appendix B: Indiana Immunization Series Completion Rate
For 4:3:1:3:3:1:4 among Children 19-35 Months by County, 2022 & 2023.....

Appendix C: Indiana Immunization Antigen Rates by County for Series Completion
4:3:1:3:3:1:4 among Children Aged 19-35 Months, 2023.....

Immunization Division
Simrandeep Kaur, MPH: Immunization Data and Surveillance Coordinator

2023 County Rate Assessment



Division of
Immunization

CHIRP	Children and Hoosiers Immunization Registry Program, also referred to as the "Indiana Immunization Registry;" the software application used by the Indiana Department of Health Immunization Division for providers to report immunization data for patients
Registered in CHIRP	A record exists for the patient, regardless of data contained within that record. Many records are imported through Vital Records data, established in 2005, and contain only the patient's name and address, with no immunization data.
Active Immunization Record	A patient record that is marked as "active" in CHIRP and contains two or more vaccinations, excluding influenza
CDC	Centers for Disease Control and Prevention
VTrckS	Vaccine Tracking System, maintained by the CDC for use in managing vaccine ordering
19-35 months of age	Patients born between 04/01/2019 and 08/31/2020
4:3:1:3:3:1:4	Vaccine series assessed for 19-35 months of age: 4 DTaP, 3 Polio, 1 MMR, 3 Hib, 3 HepB, 1 Var, and 4 PCV
DTaP	Vaccine to prevent diphtheria, tetanus and acellular pertussis
Polio	Vaccine to prevent poliomyelitis
MMR	Vaccine to prevent measles mumps and rubella
Hib	Vaccine to prevent Haemophilus influenzae type B
HepB	Vaccine to prevent hepatitis B
Var	Vaccine to prevent varicella (chicken pox)
PCV	Vaccine to prevent pneumococcal disease
Fully Insured	A patient who has health insurance coverage that covers vaccine
VFC	Vaccines for Children program, funded through the CDC. that provides free vaccine for eligible children in the state of Indiana
VFC Provider	An immunization provider who is enrolled in the VFC program and therefore granted permission to order and administer vaccines covered under the VFC program to eligible persons
VFC Eligible	A child aged 0-18 is eligible to receive free vaccine under the VFC program if they are Medicaid eligible, are uninsured or have health insurance that does not cover vaccines, or if they are a child who identifies as an American Indian or Alaskan Native, regardless of insurance status. (NOTE: Some children who are classified as "underinsured" can be funded with VFC vaccine at approved facilities.*)

*Please refer to the IDOH Immunization Division Eligibility Policy for a detailed definition of underinsured.

BACKGROUND

Each year, the Advisory Committee for Immunization Practices (ACIP) releases a recommended immunization schedule for childhood vaccination. These recommendations are supported by the Centers for Disease Control and Prevention (CDC). For each vaccine-preventable disease, there are specific rules and guidelines in the administration of the vaccine, designed to result in the optimal immune response in the patient when followed. If these guidelines are not adhered to, in some cases, a child may be left unprotected. This can include scenarios in which the child was administered a dose of vaccine incorrectly (invalid dose) or those who never receive the vaccine at all.

ACIP recommends children age 19-35 months complete the 4:3:1:3:3:1:4 immunization series, comprised of at least four doses of diphtheria-tetanus-acellular pertussis (DTaP), at least three doses of polio, at least one dose of measles-mumps-rubella (MMR), at least three doses of *Haemophilus influenzae* B (Hib) depending on the brand used, at least three doses of hepatitis B, at least one dose of varicella antigens, and at least four doses of pneumococcal conjugate vaccine (PCV).

County-level vaccination coverage estimates are important. Public health issues often originate in small geographic areas, and certain public health actions are most effective at the local level. With the use of the state immunization registry, Children and Hoosier Immunization Registry Program (CHIRP), a methodology has been developed for assessing children by county for completion of the entire ACIP-recommended childhood immunization series (4:3:1:3:3:1:4).

It is increasingly important to measure children for completion of the entire series of childhood vaccines, rather than focusing on one antigen. In assessing the complete series, we can assist in improving immunization rates for at least 10 different vaccine-preventable diseases in one measure. Improving the rate of completion for the entire series of childhood vaccines in those age 19-35 months can protect children from diseases such as diphtheria, pertussis, tetanus, polio, measles, mumps, rubella, varicella, pneumococcal disease and *Haemophilus influenzae*.

Providing a measure of how well protected children are in specific communities helps immunization programs throughout the state identify areas of greatest need and enable the targeting of resources. This may result in improving immunization rates in

Indiana, which ultimately will help reduce the incidence of morbidity and mortality due to vaccine-preventable diseases.

METHODS

Immunization data by county was obtained by extracting raw data for the birth cohort from CHIRP through SAS software. This data was filtered to include only those children who had an active immunization record as defined by this assessment (see Data Dictionary), were born in the defined birth cohort, had a current address listed as an Indiana address and had received a valid vaccine on or before March 31, 2023. The query's output provides the number of patients assessed per county who meet the above criteria and number of each up-to-date (UTD) vaccine given per antigen by county. The rate per each antigen is calculated by dividing the number of UTD vaccines of that antigen by the total number of patients assessed in that county.

For completion rate, a query was used to calculate the total number of patients in that county who are UTD on all vaccines in the 4:3:1:3:3:1:4 immunization series. The 4:3:1:3:3:1:4 immunization completion rate for each county was calculated as the total number of children in that county who had a completed series divided by the total number of children in that county who were assessed. The number of UTD patients on all seven vaccines in the series was then divided by the total number of patients assessed in that county. For state totals, counts were summed from each of the 92 counties. The Indiana state rate was calculated by dividing the summed number of vaccines given for the entire state by the number of summed patients assessed. The number of patients assessed included only those who had an active immunization record and were born within the birth cohort for the corresponding age range.

Each county's cohort was assessed by VFC eligibility category, being "VFC-Eligible," "Not VFC-Eligible" or "Underinsured" (see Data Dictionary for a definition of each category). Any child who was missing a VFC eligibility category code from CHIRP was included in the overall rate for the county but was not included in a VFC eligibility category assessment.

The total number of VFC providers (803) by county enrolled as of April 15, 2023, was determined by exporting a VFC provider list from PEAR, an application provided by

CDC. Providers that were listed as birthing hospitals, pharmacies, mobile units, specialty clinics, and juvenile corrections centers were removed, leaving 733 providers that vaccinate children aged 19 – 35 months old within the state of Indiana.

The total population for children ages 19 to 35 months was calculated based on the CDC Wonder online Database. The population estimates for 1- and 2-year-olds were collected. One-half of the 1-year-old population estimate was added to the 2-year-old estimate to get a population estimate for 19- to 35-month-olds in Indiana by county.

LIMITATIONS

Providers' participation in the use of CHIRP for reporting immunizations was mandated in Indiana as of July 1, 2015, which means all Indiana medical providers who are authorized to administer immunizations must submit complete information to CHIRP within seven business days of administering an immunization to any patient age 18 years and younger. However, we recognize that some data gaps continue to exist, as not all providers have consistently entered data into CHIRP. The data analyzed from CHIRP is considered representative of the entire state, yet the true number of immunizations administered in Indiana remains unknown. Nonetheless, this assessment showed that from 2022 to 2023, approximately 1.6% fewer immunization records were assessed. See Table 3 for a detailed comparison between 2022 and 2023.

Upon breaking out the 19- to 35-month-old cohort into VFC eligibility categories, any child who was missing a VFC eligibility code from CHIRP was still included in the county rate but was not included in any analysis by VFC eligibility category. Therefore, the rate among each VFC eligibility category is only representative of those children who had appropriate documentation of their VFC eligibility status in CHIRP at the time of the most recent vaccination.

RESULTS

The full results of this assessment can be found in the data table in Appendix A, or an antigen breakdown can be found in Appendix C. A comparison between 2022 and 2023 immunization completion rates by county, number assessed, and population represented can be found in Appendix B. Table 1 below

summarizes the state average and lists the 10 counties with the lowest rates. A summary of the number of VFC providers by county is also provided. Table 2 below displays the state average with the counties with the 10 highest rates. A summary of the number of VFC providers by county is also provided. Table 3 summarizes the 2021 - 2023 Indiana assessment.

Table 1: Ten Lowest Rates by County 2023

COUNTY	TOTAL COMPLETION RATE FOR 4:3:1:3:3:1:4	NUMBER OF VFC PROVIDERS ENROLLED
~INDIANA	56.4%	733
LA PORTE	34%	5
NEWTON	38%	1
LAGRANGE	39%	5
JASPER	43%	2
MARSHALL	45%	9
DAVISS	46%	6
BENTON	47%	1
SCOTT	48%	3
FOUNTAIN	49%	2
JACKSON	50%	3

The 2023 average completion rate for Indiana counties is 56.4%. Of Indiana’s 92 counties, 83 are greater than or equal to the state average of 50%. It is important to consider the number of providers per county. Having more providers in a county allows for an increase in vaccination rates but can also raise a concern when children are not being vaccinated due to misinformation, lack of knowledge, etc. When a county has a lower number of providers and the rate is higher, it is crucial to understand what the one-to-one ratio is per county and providers. Therefore, the overall completion rate is assessed by looking at the number of patients receiving the vaccine divided by a total number of patients assessed rather than the census data.

TABLE 2: TEN HIGHEST RATES BY COUNTY 2023

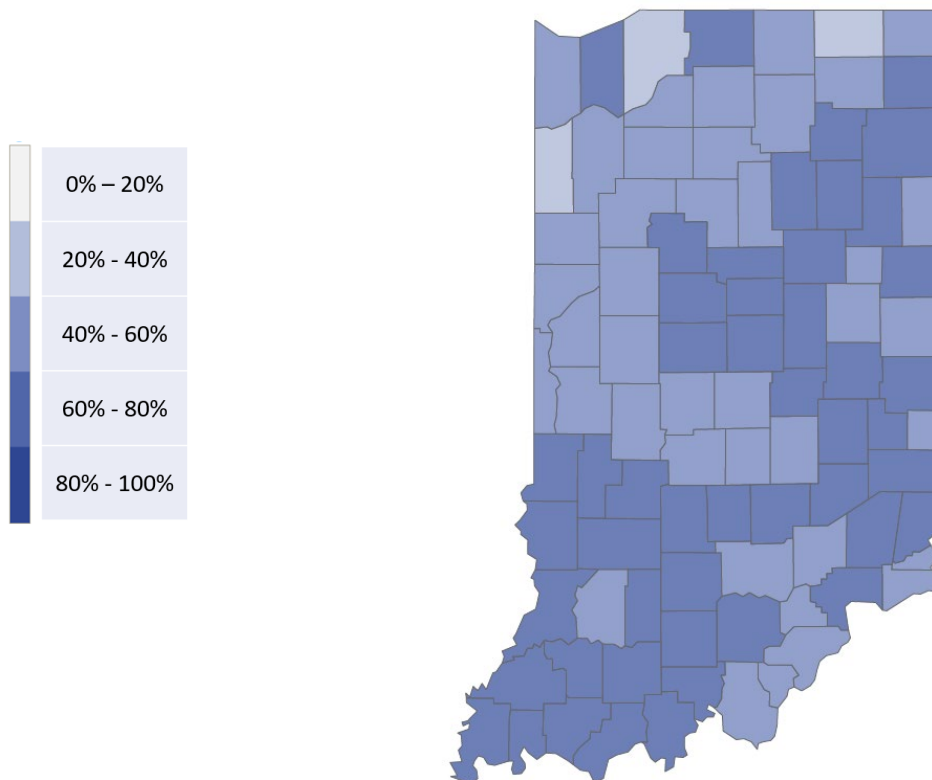
COUNTY	TOTAL COMPLETION RATE FOR 4:3:1:3:3:1:4	NUMBER OF VFC PROVIDERS ENROLLED
~INDIANA	56.4%	733
POSEY	79%	3
ST. JOSEPH	76%	37
DUBOIS	76%	3
WARRICK	75%	9
RUSH	75%	4
GIBSON	73%	5
OWEN	73%	2
PIKE	73%	2
MONROE	72%	5
HENRY	72%	4

TABLE 3: SUMMARY 2021 - 2023 INDIANA ASSESSMENT

	2021	2022	2023
Indiana completion rate for 4:3:1:3:3:1:4 series	61%	58%	56.4%
Number assessed 19-35 months of age	124,974	122,568	118,780
Percentage of population represented	98%	98%	95%
Number of VFC providers enrolled	743	799	733
Number/completion rate by not VFC-eligible	18,309/ 76%	14,612/ 77%	12,952/ 76%
Number/completion rate by underinsured	766/ 71%	667/ 66%	651/ 65%
Number/completion rate by VFC-eligible	64,038/ 65%	63,025/ 60%	60,466/ 61%

The data this year does show a none to slight decrease in individual vaccination rates. Hepatitis B has the highest decrease in rate by 2% as shown in Appendix C. Further investigation is being done to properly determine what can cause a 2% drop in the Hepatitis B vaccination rate.

Map: 4:3:1:3:3:1:4 Completion Rate by County for 2023



DISCUSSION

Indiana's 2023 immunization rate among children aged 19-35 months is 56.4%, which decreased 1.6% relative to the 2022 rate of 58%. According to 2020 U.S. Census data by age, Indiana's population of 19- to 35-month-old children should be approximately 124,595. After excluding any immunization records that were not considered to be "active," 118,780 records were assessed in this analysis. This represents

2023 County Rate Assessment

95% of the estimated population. For 29 counties, the percentage of the population represented exceeded 100%; they are highlighted in red in Appendix A. This is thought to be attributable to an increase in children aged 19-35 months who relocated to these counties after 2022, as well as the two-year difference between the census data and the data extracted from CHIRP for analysis of the rates.

RECOMMENDATIONS

Achieving high vaccination rates is attainable, and many counties have made progress among the 19- to 35-months age group series completion. Additional efforts are needed to ensure that healthcare providers administer recommended vaccinations and use each visit as an opportunity to ensure each child is fully vaccinated on time with every recommended vaccine. Rather than targeting efforts toward children already past due, health departments need to implement targeted provider education to confirm kids are vaccinated before they fall within 19-35 months of age. Reducing the number of missed opportunities and vaccinating at the 15-month appointment would greatly improve vaccination rates, as well as reduce the number of children who are behind.

CONCLUSIONS

The results of this analysis demonstrate the need for further investigation into identifying contributing factors that might explain why children are not completing the childhood vaccination series by 35 months of age. Further details of each county's data should be assessed on a case-by-case basis to find pockets of need.

It can be observed that the counties with the highest immunization rates also have some of the lowest numbers of VFC providers. One reason for this may be that fewer number of providers have more control over maintaining patient records and performing activities to increase the number of children who complete the immunization series. It should be noted, however, that there may be many disadvantages to limiting immunization services to a few providers in an isolated area, as this could create potential barriers to accessing health care.

Evidence-based approaches to increasing immunization should be utilized, such as targeting populations in need and reminder-recall activities that prompt the guardians of children missing immunizations to contact their medical providers.

REFERENCES

- Centers for Disease Control and Prevention (CDC). (2015) Epidemiology and Prevention of Vaccine-Preventable Diseases. 13th ed. May 2015.
- Indiana Immunization Registry, CHIRP. Data obtained April 6, 2023.
- The output for this paper was generated using SAS software, Version 9.4 of the SAS System for Windows. Copyright © 2021 SAS Institute, Inc. SAS and all other SAS Institute, Inc., product or service names are registered trademarks or trademarks of SAS Institute, Inc., Cary, NC, USA.
- U.S. Department of Health and Human Services (US DHHS), Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), Bridged-Race
- Population Estimates, United States, July 1st resident population by state, county, age, sex, bridged-race, and Hispanic origin, on CDC WONDER Online Database

APPENDIX A: 2023 Data Summary. Completion rate of 4:3:1:3:3:1:4 immunization series among children 19-35 month with an active immunization record in CHIRP

COUNTY	NUMBER OF VFC PROVIDERS ENROLLED	2020 (Census) POPULATION 19-35 MONTHS OF AGE	TOTAL PATIENTS ASSESSED	PERCENTAGE OF POPULATION REPRESENTED	TOTAL COMPLETION FOR 4:3:1:3:3:1:4	TOTAL COMPLETION RATE FOR 4:3:1:3:3:1:4	(SERIES COMPLETE)Number Vaccinated Patients UTD Not Vfc-Eligible	TOTAL PATIENTS ASSESSED NOT VFC-ELIGIBLE	COMPLETION RATE: NOT VFC-ELIGIBLE	(SERIES COMPLETE) Number Vaccinated Patients UTD Underinsured	TOTAL PATIENTS ASSESSED UNDERINSURED	COMPLETION RATE: UNDERINSURED	(SERIES COMPLETE) Number Vaccinated Patients UTD VFC-Eligible	TOTAL PATIENTS ASSESSED VFC-ELIGIBLE	COMPLETION RATE: VFC-ELIGIBLE
~INDIANA	733	124,595	118,780	95%	67018	56.4%	9782	12,952	76%	425	651	65%	36,728	60,466	61%
ADAMS	3	963	648	67%	335	51.7%	29	38	76%	3	4	75%	177	374	47%
ALLEN	32	7989	7368	92%	4436	60.2%	216	311	69%	16	25	64%	2432	4094	59%
BARTHOLOMEW	8	1592	1599	100%	1002	62.7%	74	96	77%	2	5	40%	400	580	69%
BENTON	1	165	131	79%	61	46.6%	9	13	69%	0	0	0%	39	67	58%
BLACKFORD	1	209	181	87%	106	58.6%	7	11	64%	0	0	0%	81	118	69%
BOONE	8	1313	1384	105%	868	62.7%	120	168	71%	13	22	59%	247	332	74%
BROWN	1	193	158	82%	102	64.6%	22	28	79%	0	2	0%	66	91	73%
CARROLL	3	376	301	80%	192	63.8%	48	52	92%	2	3	67%	100	141	71%
CASS	2	633	648	102%	375	57.9%	74	90	82%	2	3	67%	242	435	56%
CLARK	10	2191	2121	97%	1153	54.4%	279	364	77%	3	6	50%	550	787	70%
CLAY	5	476	549	115%	367	66.8%	62	73	85%	0	0	0%	226	341	66%
CLINTON	3	639	700	110%	454	64.9%	60	71	85%	22	25	88%	279	365	76%
CRAWFORD	3	186	113	61%	78	69.0%	14	16	88%	0	0	0%	48	70	69%
DAVISS	6	878	500	57%	229	45.8%	74	105	70%	1	2	50%	121	300	40%
DE KALB	9	834	583	70%	350	60.0%	38	61	62%	1	1	100%	178	270	66%
DEARBORN	4	495	463	94%	333	71.9%	118	136	87%	9	11	82%	160	231	69%
DECATUR	6	849	823	97%	511	62.1%	50	65	77%	0	2	0%	255	429	59%
DELAWARE	13	1620	1840	114%	1100	59.8%	85	96	89%	4	5	80%	751	1091	69%
DUBOIS	3	803	718	89%	544	75.8%	121	147	82%	2	3	67%	204	282	72%
ELKHART	30	4647	3724	80%	2113	56.7%	182	274	66%	6	16	38%	1506	2572	59%
FAYETTE	3	424	358	84%	248	69.3%	17	18	94%	0	0	0%	191	258	74%
FLOYD	5	1390	1161	84%	657	56.6%	141	184	77%	5	7	71%	293	456	64%
FOUNTAIN	2	315	331	105%	161	48.6%	33	45	73%	0	0	0%	90	159	57%
FRANKLIN	3	458	233	51%	154	66.1%	58	73	79%	3	4	75%	62	98	63%
FULTON	2	376	308	82%	159	51.6%	33	39	85%	2	3	67%	77	177	44%
GIBSON	5	635	551	87%	404	73.3%	197	233	85%	3	4	75%	134	187	72%
GRANT	6	1182	1066	90%	640	60.0%	77	106	73%	8	12	67%	483	784	62%
GREENE	6	553	410	74%	290	70.7%	74	89	83%	3	4	75%	200	278	72%
HAMILTON	23	6229	5476	88%	3327	60.8%	735	1050	70%	20	25	80%	1017	1441	71%
HANCOCK	8	1343	1385	103%	910	65.7%	95	131	73%	3	5	60%	327	462	71%
HARRISON	4	664	617	93%	359	58.2%	82	116	71%	3	4	75%	143	224	64%
HENDRICKS	13	2795	3462	124%	1921	55.5%	102	131	78%	6	12	50%	753	1155	65%
HENRY	4	755	699	93%	504	72.1%	81	91	89%	0	0	0%	286	366	78%
HOWARD	9	1535	1448	94%	893	61.7%	78	102	76%	1	3	33%	587	903	65%
HUNTINGTON	5	601	618	103%	429	69.4%	64	74	86%	1	2	50%	251	346	73%
JACKSON	3	891	1104	124%	549	49.7%	81	116	70%	0	2	0%	355	544	65%
JASPER	2	522	563	108%	241	42.8%	16	32	50%	4	8	50%	126	252	50%
JAY	5	437	374	86%	242	64.7%	28	35	80%	1	1	100%	172	235	73%
JEFFERSON	2	546	574	105%	380	66.2%	119	145	82%	1	2	50%	210	304	69%
JENNINGS	2	518	542	105%	305	56.3%	37	53	70%	0	2	0%	214	296	72%
JOHNSON	20	2915	3030	104%	1602	52.9%	273	357	76%	12	25	48%	767	1273	60%
KNOX	3	630	552	88%	359	65.0%	121	173	70%	9	9	100%	203	309	66%
KOSCIUSKO	6	1511	1188	79%	653	55.0%	144	213	68%	3	6	50%	304	589	52%
LA PORTE	5	1094	549	50%	187	34.1%	19	30	63%	1	2	50%	117	325	36%
LAGRANGE	53	8753	8204	94%	3225	39.3%	350	611	57%	13	24	54%	1756	4445	40%
LAKE	13	1906	1653	87%	832	50.3%	216	314	69%	4	4	100%	461	990	47%
LAWRENCE	5	769	683	89%	461	67.5%	117	144	81%	7	12	58%	302	461	66%
MADISON	22	2123	2196	103%	1407	64.1%	98	113	87%	4	6	67%	1017	1431	71%
MARION	92	20739	20925	101%	10571	50.5%	807	1174	69%	72	115	63%	6533	10834	60%
MARSHALL	9	850	787	93%	352	44.7%	33	52	63%	0	1	0%	191	431	44%
MARTIN	1	180	163	91%	100	61.3%	24	34	71%	0	2	0%	56	94	60%
MIAMI	3	534	496	93%	264	53.2%	22	32	69%	3	5	60%	169	305	55%
MONROE	5	1924	1614	84%	1167	72.3%	481	630	76%	8	12	67%	646	907	71%
MONTGOMERY	5	651	670	103%	379	56.6%	57	75	76%	4	5	80%	231	334	69%
MORGAN	8	1144	1393	122%	726	52.1%	75	91	82%	4	9	44%	420	753	56%
NEWTON	1	226	177	78%	67	37.9%	8	9	89%	0	0	0%	46	95	48%
NOBLE	4	954	834	87%	457	54.8%	36	48	75%	5	9	56%	261	512	51%
OHIO	2	95	125	132%	74	59.2%	8	10	80%	0	0	0%	36	62	58%

APPENDIX A: 2023 Data Summary. Completion rate of 4:3:1:3:3:1:4 immunization series among children 19-35 month with an active immunization record in CHIRP

COUNTY	NUMBER OF VFC PROVIDERS ENROLLED	2020 (Census) POPULATION 19-35 MONTHS OF AGE	TOTAL PATIENTS ASSESSED	PERCENTAGE OF POPULATION REPRESENTED	TOTAL COMPLETION FOR 4:3:1:3:3:1:4	TOTAL COMPLETION RATE FOR 4:3:1:3:3:1:4	(SERIES COMPLETE)Number Vaccinated Patients UTD Not VFC-Eligible	TOTAL PATIENTS ASSESSED NOT VFC-ELIGIBLE	COMPLETION RATE: NOT VFC-ELIGIBLE	(SERIES COMPLETE) Number Vaccinated Patients UTD Underinsured	TOTAL PATIENTS ASSESSED UNDERINSURED	COMPLETION RATE: UNDERINSURED	(SERIES COMPLETE) Number Vaccinated Patients UTD VFC-Eligible	TOTAL PATIENTS ASSESSED VFC-ELIGIBLE	COMPLETION RATE: VFC-ELIGIBLE
ORANGE	3	370	317	86%	193	60.9%	30	43	70%	2	2	100%	124	197	63%
OWEN	2	358	277	77%	203	73.3%	46	58	79%	1	1	100%	141	186	76%
PARKE	5	294	193	66%	113	58.5%	7	11	64%	0	0	0%	71	124	57%
PERRY	3	310	239	77%	161	67.4%	44	52	85%	5	7	71%	100	151	66%
PIKE	2	239	227	95%	166	73.1%	54	68	79%	0	0	0%	83	110	75%
PORTER	13	2659	2381	90%	1452	61.0%	189	275	69%	14	18	78%	543	999	54%
POSEY	3	422	327	77%	258	78.9%	120	132	91%	1	1	100%	88	126	70%
PULASKI	1	195	193	99%	96	49.7%	12	17	71%	1	1	100%	59	108	55%
PUTNAM	5	561	524	93%	309	59.0%	25	36	69%	1	2	50%	151	237	64%
RANDOLPH	3	384	447	116%	267	59.7%	15	21	71%	3	5	60%	180	283	64%
RIPLEY	4	553	452	82%	315	69.7%	156	189	83%	5	5	100%	99	154	64%
RUSH	4	273	269	99%	201	74.7%	30	34	88%	1	3	33%	138	176	78%
SCOTT	3	5116	5519	108%	2657	48.1%	150	212	71%	29	43	67%	1606	2868	56%
SHELBY	2	403	495	123%	276	55.8%	46	61	75%	4	4	100%	180	251	72%
SPENCER	2	750	769	103%	501	65.1%	63	84	75%	0	1	0%	348	478	73%
ST. JOSEPH	37	295	266	90%	202	75.9%	72	86	84%	2	2	100%	94	121	78%
STARKE	7	414	316	76%	181	57.3%	26	36	72%	0	0	0%	101	173	58%
STEUBEN	3	558	503	90%	290	57.7%	71	91	78%	1	1	100%	162	305	53%
SULLIVAN	3	317	331	104%	214	64.7%	48	54	89%	4	5	80%	134	213	63%
SWITZERLAND	2	182	144	79%	72	50.0%	23	28	82%	0	0	0%	40	70	57%
TIPPECANOE	16	3311	3541	107%	1837	51.9%	318	387	82%	21	28	75%	1010	1588	64%
TIPTON	3	249	227	91%	158	69.6%	15	18	83%	3	3	100%	83	113	73%
UNION	1	112	64	57%	34	53.1%	1	4	25%	0	0	0%	16	30	53%
VANDERBURGH	22	3219	3031	94%	2182	72.0%	726	838	87%	3	5	60%	1155	1641	70%
VERMILLION	5	256	257	100%	140	54.5%	21	25	84%	2	2	100%	87	171	51%
VIGO	19	1746	1804	103%	1087	60.3%	104	123	85%	12	15	80%	756	1236	61%
WABASH	4	482	440	91%	297	67.5%	67	83	81%	0	0	0%	184	270	68%
WARREN	2	124	154	124%	86	55.8%	19	21	90%	0	1	0%	45	70	64%
WARRICK	9	972	977	101%	736	75.3%	379	432	88%	2	2	100%	247	355	70%
WASHINGTON	4	471	426	90%	279	65.5%	30	38	79%	1	2	50%	193	262	74%
WAYNE	11	1237	1073	87%	706	65.8%	72	91	79%	1	1	100%	412	562	73%
WELLS	2	498	458	92%	301	65.7%	18	33	55%	2	3	67%	185	251	74%
WHITE	4	442	500	113%	278	55.6%	42	46	91%	4	6	67%	178	289	62%
WHITLEY	4	605	568	94%	405	71.3%	24	37	65%	1	1	100%	186	253	74%

APPENDIX B. Immunization series completion rate for 4:3:1:3:3:1:4 among children aged 19-35 months, by county, number assessed, population represented, 2022 & 2023

COUNTY	(2020 Census) POPULATION 19-35 MONTHS OF AGE	Number Assessed 19-35 Months of Age		Percentage of Population Represented		Completion Rate for 4:3:1:3:3:1:4	
		2022	2023	2022	2023	2022	2023
~INDIANA	124,595	122,568	118,780	98%	95%	58%	56.4%
ADAMS	963	649	648	67%	67%	50%	51.7%
ALLEN	7989	7543	7368	94%	92%	58%	60.2%
BARTHOLOMEW	1592	1687	1599	106%	100%	54%	62.7%
BENTON	165	144	131	87%	79%	51%	46.6%
BLACKFORD	209	203	181	97%	87%	59%	58.6%
BOONE	1313	1372	1384	104%	105%	71%	62.7%
BROWN	193	158	158	82%	82%	63%	64.6%
CARROLL	376	280	301	74%	80%	60%	63.8%
CASS	633	643	648	102%	102%	57%	57.9%
CLARK	2191	2092	2121	95%	97%	56%	54.4%
CLAY	476	530	549	111%	115%	66%	66.8%
CLINTON	639	782	700	122%	110%	64%	64.9%
CRAWFORD	186	114	113	61%	61%	54%	69.0%
DAVISS	878	623	500	71%	57%	38%	45.8%
DEARBORN	834	665	583	80%	70%	53%	60.0%
DECATUR	495	457	463	92%	94%	70%	71.9%
DEKALB	849	812	823	96%	97%	60%	62.1%
DELAWARE	1620	1808	1840	112%	114%	60%	59.8%
DUBOIS	803	765	718	95%	89%	68%	75.8%
ELKHART	4647	4061	3724	87%	80%	58%	56.7%
FAYETTE	424	353	358	83%	84%	71%	69.3%
FLOYD	1390	1200	1161	86%	84%	62%	56.6%
FOUNTAIN	315	327	331	104%	105%	49%	48.6%
FRANKLIN	458	224	233	49%	51%	70%	66.1%

APPENDIX B. Immunization series completion rate for 4:3:1:3:3:1:4 among children aged 19-35 months, by county, number assessed, population represented, 2022 & 2023

	(2020 Census) POPULATION 19-35 MONTHS OF AGE	Number Assessed 19-35 Months of Age		Percentage of Population Represented		Completion Rate for 4:3:1:3:3:1:4	
FULTON	376	299	308	80%	82%	56%	51.6%
GIBSON	635	544	551	86%	87%	73%	73.3%
GRANT	1182	1093	1066	92%	90%	60%	60.0%
GREENE	553	429	410	78%	74%	71%	70.7%
HAMILTON	6229	5682	5476	91%	88%	67%	60.8%
HANCOCK	1343	1303	1385	97%	103%	71%	65.7%
HARRISON	664	625	617	94%	93%	55%	58.2%
HENDRICKS	2795	3430	3462	123%	124%	56%	55.5%
HENRY	755	686	699	91%	93%	70%	72.1%
HOWARD	1535	1500	1448	98%	94%	65%	61.7%
HUNTINGTON	601	592	618	99%	103%	69%	69.4%
JACKSON	891	1360	1104	153%	124%	46%	49.7%
JASPER	522	624	563	120%	108%	55%	42.8%
JAY	437	369	374	84%	86%	60%	64.7%
JEFFERSON	546	591	574	108%	105%	67%	66.2%
JENNINGS	518	572	542	110%	105%	53%	56.3%
JOHNSON	2915	3187	3030	109%	104%	59%	52.9%
KNOX	630	555	552	88%	88%	68%	65.0%
KOSCIUSKO	1511	1274	1188	84%	79%	56%	55.0%
LAGRANGE	1094	557	549	51%	50%	35%	34.1%
LAKE	8753	8776	8204	100%	94%	43%	39.3%
LAPORTE	1906	1759	1653	92%	87%	50%	50.3%
LAWRENCE	769	720	683	94%	89%	69%	67.5%
MADISON	2123	2221	2196	105%	103%	69%	64.1%
MARION	20739	21398	20925	103%	101%	53%	50.5%
MARSHALL	850	810	787	95%	93%	51%	44.7%

APPENDIX B. Immunization series completion rate for 4:3:1:3:3:1:4 among children aged 19-35 months, by county, number assessed, population represented, 2022 & 2023

	(2020 Census) POPULATION 19-35 MONTHS OF AGE	Number Assessed 19-35 Months of Age		Percentage of Population Represented		Completion Rate for 4:3:1:3:3:1:4	
MARTIN	180	208	163	116%	91%	46%	61.3%
MIAMI	534	548	496	103%	93%	55%	53.2%
MONROE	1924	1645	1614	85%	84%	69%	72.3%
MONTGOMERY	651	741	670	114%	103%	63%	56.6%
MORGAN	1144	1391	1393	122%	122%	59%	52.1%
NEWTON	226	193	177	85%	78%	51%	37.9%
NOBLE	954	845	834	89%	87%	58%	54.8%
OHIO	95	122	125	128%	132%	49%	59.2%
ORANGE	370	383	317	104%	86%	55%	60.9%
OWEN	358	289	277	81%	77%	69%	73.3%
PARKE	294	180	193	61%	66%	62%	58.5%
PERRY	310	264	239	85%	77%	67%	67.4%
PIKE	239	245	227	103%	95%	72%	73.1%
PORTER	2659	2474	2381	93%	90%	63%	61.0%
POSEY	422	335	327	79%	77%	72%	78.9%
PULASKI	195	181	193	93%	99%	57%	49.7%
PUTNAM	561	557	524	99%	93%	58%	59.0%
RANDOLPH	384	405	447	105%	116%	60%	59.7%
RIPLEY	553	475	452	86%	82%	69%	69.7%
RUSH	273	290	269	106%	99%	72%	74.7%
STJOSEPH	5116	5730	5519	112%	108%	49%	48.1%
SCOTT	403	442	495	110%	123%	50%	55.8%
SHELBY	750	809	769	108%	103%	68%	65.1%
SPENCER	295	239	266	81%	90%	74%	75.9%
STARKE	414	352	316	85%	76%	54%	57.3%
STEUBEN	558	473	503	85%	90%	57%	57.7%

APPENDIX B. Immunization series completion rate for 4:3:1:3:3:1:4 among children aged 19-35 months, by county, number assessed, population represented, 2022 & 2023

	(2020 Census) POPULATION 19-35 MONTHS OF AGE	Number Assessed 19-35 Months of Age		Percentage of Population Represented		Completion Rate for 4:3:1:3:3:1:4	
SULLIVAN	317	305	331	96%	104%	64%	64.7%
SWITZERLAND	182	131	144	72%	79%	53%	50.0%
TIPPECANOE	3311	3791	3541	114%	107%	52%	51.9%
TIPTON	249	216	227	87%	91%	67%	69.6%
UNION	112	72	64	64%	57%	69%	53.1%
VANDERBURGH	3219	3063	3031	95%	94%	74%	72.0%
VERMILLION	256	227	257	89%	100%	69%	54.5%
VIGO	1746	1812	1804	104%	103%	63%	60.3%
WABASH	482	461	440	96%	91%	67%	67.5%
WARREN	124	164	154	132%	124%	54%	55.8%
WARRICK	972	966	977	99%	101%	77%	75.3%
WASHINGTON	471	432	426	92%	90%	67%	65.5%
WAYNE	1237	1135	1073	92%	87%	67%	65.8%
WELLS	498	489	458	98%	92%	67%	65.7%
WHITE	442	496	500	112%	113%	60%	55.6%
WHITLEY	605	544	568	90%	94%	75%	71.3%

APPENDIX C: 2023 Data Summary. Antigen completion rate of 4:3:1:3:3:1:4 immunization series among children 19-35 month with an active immunization record in CHIRP

COUNTY	TOTAL PATIENTS ASSESSED	4 Dtap	4 Dtap RATE	3 Polio	3 Polio RATE	1 MMR	1 MMR RATE	3 Hep B	3 Hep B RATE	3 Hib	3 Hib RATE	1 VAR	1 VAR RATE	4 PCV	4 PCV RATE	COMPLETION 4:3:1:3:3:1:4	COMPLETION RATE FOR 4:3:1:3:3:1:4
~INDIANA	118,780	79253	66.7%	93927	79.1%	93066	78.4%	88983	74.9%	91628	77.1%	92583	77.9%	77939	65.6%	67,018	56.4%
ADAMS	648	416	64.2%	500	77.2%	500	77.2%	490	75.6%	481	74.2%	486	75.0%	368	56.8%	335	51.7%
ALLEN	7368	4945	67.1%	5993	81.3%	5951	80.8%	6084	82.6%	5869	79.7%	5918	80.3%	4906	66.6%	4436	60.2%
BARTHOLOMEW	1599	1190	74.4%	1414	88.4%	1367	85.5%	1284	80.3%	1406	87.9%	1341	83.9%	1201	75.1%	1002	62.7%
BENTON	131	90	68.7%	99	75.6%	96	73.3%	76	58.0%	99	75.6%	96	73.3%	86	65.6%	61	46.6%
BLACKFORD	181	115	63.5%	138	76.2%	136	75.1%	142	78.5%	135	74.6%	136	75.1%	111	61.3%	106	58.6%
BOONE	1384	965	69.7%	1110	80.2%	1072	77.5%	1068	77.2%	1041	75.2%	1064	76.9%	953	68.9%	868	62.7%
BROWN	158	115	72.8%	135	85.4%	126	79.7%	130	82.3%	130	82.3%	125	79.1%	112	70.9%	102	64.6%
CARROLL	301	219	72.8%	247	82.1%	243	80.7%	236	78.4%	244	81.1%	240	79.7%	217	72.1%	192	63.8%
CASS	648	412	63.6%	517	79.8%	529	81.6%	539	83.2%	491	75.8%	530	81.8%	398	61.4%	375	57.9%
CLARK	2121	1460	68.8%	1655	78.0%	1645	77.6%	1401	66.1%	1665	78.5%	1631	76.9%	1455	68.6%	1153	54.4%
CLAY	549	406	74.0%	471	85.8%	455	82.9%	465	84.7%	463	84.3%	455	82.9%	411	74.9%	367	66.8%
CLINTON	700	513	73.3%	551	78.7%	546	78.0%	541	77.3%	535	76.4%	542	77.4%	501	71.6%	454	64.9%
CRAWFORD	113	85	75.2%	94	83.2%	96	85.0%	95	84.1%	94	83.2%	97	85.8%	84	74.3%	78	69.0%
DAVISS	500	307	61.4%	397	79.4%	392	78.4%	411	82.2%	364	72.8%	344	68.8%	275	55.0%	229	45.8%
DEARBORN	583	417	71.5%	485	83.2%	487	83.5%	480	82.3%	497	85.2%	487	83.5%	407	69.8%	350	60.0%
DECATUR	463	367	79.3%	414	89.4%	402	86.8%	407	87.9%	412	89.0%	398	86.0%	366	79.0%	333	71.9%
DEKALB	823	572	69.5%	656	79.7%	660	80.2%	666	80.9%	642	78.0%	656	79.7%	561	68.2%	511	62.1%
DELAWARE	1840	1197	65.1%	1403	76.3%	1397	75.9%	1389	75.5%	1367	74.3%	1398	76.0%	1181	64.2%	1100	59.8%
DUBOIS	718	596	83.0%	676	94.2%	664	92.5%	671	93.5%	676	94.2%	662	92.2%	590	82.2%	544	75.8%
ELKHART	3724	2521	67.7%	3074	82.5%	3006	80.7%	2976	79.9%	3026	81.3%	2996	80.5%	2399	64.4%	2113	56.7%
FAYETTE	358	263	73.5%	314	87.7%	304	84.9%	317	88.5%	288	80.4%	302	84.4%	255	71.2%	248	69.3%
FLOYD	1161	809	69.7%	950	81.8%	932	80.3%	844	72.7%	957	82.4%	938	80.8%	813	70.0%	657	56.6%
FOUNTAIN	331	186	56.2%	222	67.1%	212	64.0%	211	63.7%	214	64.7%	213	64.4%	193	58.3%	161	48.6%
FRANKLIN	233	169	72.5%	203	87.1%	193	82.8%	207	88.8%	202	86.7%	193	82.8%	165	70.8%	154	66.1%
FULTON	308	195	63.3%	257	83.4%	257	83.4%	254	82.5%	250	81.2%	255	82.8%	189	61.4%	159	51.6%
GIBSON	551	439	79.7%	494	89.7%	477	86.6%	493	89.5%	482	87.5%	476	86.4%	435	78.9%	404	73.3%
GRANT	1066	711	66.7%	871	81.7%	885	83.0%	900	84.4%	863	81.0%	881	82.6%	692	64.9%	640	60.0%
GREENE	410	307	74.9%	364	88.8%	347	84.6%	366	89.3%	349	85.1%	346	84.4%	314	76.6%	290	70.7%
HAMILTON	5476	3960	72.3%	4527	82.7%	4512	82.4%	4317	78.8%	4483	81.9%	4503	82.2%	3831	70.0%	3327	60.8%
HANCOCK	1385	1052	76.0%	1178	85.1%	1168	84.3%	1119	80.8%	1169	84.4%	1167	84.3%	1048	75.7%	910	65.7%
HARRISON	617	431	69.9%	518	84.0%	501	81.2%	461	74.7%	525	85.1%	503	81.5%	429	69.5%	359	58.2%
HENDRICKS	3462	2206	63.7%	2592	74.9%	2533	73.2%	2532	73.1%	2490	71.9%	2529	73.1%	2161	62.4%	1921	55.5%
HENRY	699	531	76.0%	596	85.3%	582	83.3%	592	84.7%	590	84.4%	582	83.3%	527	75.4%	504	72.1%
HOWARD	1448	1015	70.1%	1208	83.4%	1188	82.0%	1205	83.2%	1162	80.2%	1187	82.0%	1010	69.8%	893	61.7%
HUNTINGTON	618	467	75.6%	524	84.8%	538	87.1%	517	83.7%	521	84.3%	536	86.7%	465	75.2%	429	69.4%
JACKSON	1104	654	59.2%	767	69.5%	764	69.2%	743	67.3%	773	70.0%	758	68.7%	613	55.5%	549	49.7%
JASPER	563	375	66.6%	440	78.2%	429	76.2%	319	56.7%	438	77.8%	422	75.0%	348	61.8%	241	42.8%
JAY	374	267	71.4%	305	81.6%	300	80.2%	310	82.9%	299	79.9%	298	79.7%	266	71.1%	242	64.7%
JEFFERSON	574	413	72.0%	483	84.1%	469	81.7%	487	84.8%	482	84.0%	469	81.7%	400	69.7%	380	66.2%
JENNINGS	542	345	63.7%	404	74.5%	401	74.0%	393	72.5%	395	72.9%	398	73.4%	337	62.2%	305	56.3%
JOHNSON	3030	2132	70.4%	2443	80.6%	2427	80.1%	1946	64.2%	2410	79.5%	2394	79.0%	2115	69.8%	1602	52.9%
KNOX	552	387	70.1%	494	89.5%	474	85.9%	497	90.0%	488	88.4%	473	85.7%	396	71.7%	359	65.0%
KOSCIUSKO	1188	769	64.7%	956	80.5%	946	79.6%	963	81.1%	950	80.0%	933	78.5%	714	60.1%	653	55.0%
LAGRANGE	549	240	43.7%	322	58.7%	334	60.8%	323	58.8%	301	54.8%	323	58.8%	216	39.3%	187	34.1%
LAKE	8204	4821	58.8%	6035	73.6%	5978	72.9%	4724	57.6%	5982	72.9%	5920	72.2%	4694	57.2%	3225	39.3%
LAPORTE	1653	1025	62.0%	1326	80.2%	1312	79.4%	1214	73.4%	1298	78.5%	1299	78.6%	1045	63.2%	832	50.3%

APPENDIX C: 2023 Data Summary. Antigen completion rate of 4:3:1:3:3:1:4 immunization series among children 19-35 month with an active immunization record in CHIRP

COUNTY	TOTAL PATIENTS ASSESSED	4 Dtap	4 Dtap RATE	3 Polio	3 Polio RATE	1 MMR	1 MMR RATE	3 Hep B	3 Hep B RATE	3 Hib	3 Hib RATE	1 VAR	1 VAR RATE	4 PCV	4 PCV RATE	COMPLETION 4:3:1:3:3:1:4	COMPLETION RATE FOR 4:3:1:3:3:1:4
LAWRENCE	683	489	71.6%	603	88.3%	587	85.9%	612	89.6%	552	80.8%	583	85.4%	504	73.8%	461	67.5%
MADISON	2196	1589	72.4%	1822	83.0%	1787	81.4%	1796	81.8%	1768	80.5%	1791	81.6%	1531	69.7%	1407	64.1%
MARION	20925	12886	61.6%	15345	73.3%	15560	74.4%	14407	68.9%	14723	70.4%	15506	74.1%	12465	59.6%	10571	50.5%
MARSHALL	787	464	59.0%	612	77.8%	584	74.2%	559	71.0%	601	76.4%	593	75.3%	450	57.2%	352	44.7%
MARTIN	163	117	71.8%	140	85.9%	135	82.8%	137	84.0%	130	79.8%	126	77.3%	113	69.3%	100	61.3%
MIAMI	496	322	64.9%	393	79.2%	401	80.8%	395	79.6%	381	76.8%	396	79.8%	303	61.1%	264	53.2%
MONROE	1614	1227	76.0%	1425	88.3%	1376	85.3%	1456	90.2%	1308	81.0%	1375	85.2%	1251	77.5%	1167	72.3%
MONTGOMERY	670	426	63.6%	491	73.3%	486	72.5%	468	69.9%	481	71.8%	488	72.8%	434	64.8%	379	56.6%
MORGAN	1393	979	70.3%	1156	83.0%	1113	79.9%	932	66.9%	1106	79.4%	1100	79.0%	972	69.8%	726	52.1%
NEWTON	177	100	56.5%	122	68.9%	115	65.0%	85	48.0%	121	68.4%	116	65.5%	99	55.9%	67	37.9%
NOBLE	834	553	66.3%	674	80.8%	672	80.6%	689	82.6%	666	79.9%	672	80.6%	510	61.2%	457	54.8%
OHIO	125	89	71.2%	105	84.0%	101	80.8%	101	80.8%	105	84.0%	100	80.0%	88	70.4%	74	59.2%
ORANGE	317	220	69.4%	266	83.9%	254	80.1%	268	84.5%	258	81.4%	256	80.8%	214	67.5%	193	60.9%
OWEN	277	220	79.4%	247	89.2%	238	85.9%	242	87.4%	227	81.9%	239	86.3%	218	78.7%	203	73.3%
PARKE	193	127	65.8%	152	78.8%	149	77.2%	151	78.2%	152	78.8%	149	77.2%	128	66.3%	113	58.5%
PERRY	239	179	74.9%	211	88.3%	207	86.6%	210	87.9%	204	85.4%	210	87.9%	170	71.1%	161	67.4%
PIKE	227	183	80.6%	206	90.7%	200	88.1%	208	91.6%	204	89.9%	202	89.0%	177	78.0%	166	73.1%
PORTER	2381	1725	72.4%	2061	86.6%	2015	84.6%	1892	79.5%	2027	85.1%	1991	83.6%	1755	73.7%	1452	61.0%
POSEY	327	273	83.5%	304	93.0%	299	91.4%	305	93.3%	302	92.4%	301	92.0%	271	82.9%	258	78.9%
PULASKI	193	118	61.1%	150	77.7%	145	75.1%	149	77.2%	136	70.5%	147	76.2%	115	59.6%	96	49.7%
PUTNAM	524	354	67.6%	416	79.4%	405	77.3%	418	79.8%	408	77.9%	399	76.1%	352	67.2%	309	59.0%
RANDOLPH	447	295	66.0%	356	79.6%	350	78.3%	370	82.8%	332	74.3%	349	78.1%	297	66.4%	267	59.7%
RIPLEY	452	346	76.5%	398	88.1%	385	85.2%	405	89.6%	390	86.3%	382	84.5%	355	78.5%	315	69.7%
RUSH	269	218	81.0%	241	89.6%	238	88.5%	239	88.8%	240	89.2%	238	88.5%	214	79.6%	201	74.7%
STJOSEPH	5519	3144	57.0%	3904	70.7%	3936	71.3%	3768	68.3%	3736	67.7%	3926	71.1%	3160	57.3%	2657	48.1%
SCOTT	495	307	62.0%	359	72.5%	350	70.7%	343	69.3%	360	72.7%	346	69.9%	300	60.6%	276	55.8%
SHELBY	769	572	74.4%	643	83.6%	644	83.7%	606	78.8%	646	84.0%	632	82.2%	576	74.9%	501	65.1%
SPENCER	266	223	83.8%	244	91.7%	240	90.2%	244	91.7%	239	89.8%	238	89.5%	217	81.6%	202	75.9%
STARKE	316	213	67.4%	257	81.3%	247	78.2%	250	79.1%	252	79.7%	244	77.2%	208	65.8%	181	57.3%
STEBEN	503	315	62.6%	410	81.5%	396	78.7%	408	81.1%	403	80.1%	395	78.5%	337	67.0%	290	57.7%
SULLIVAN	331	235	71.0%	277	83.7%	268	81.0%	274	82.8%	277	83.7%	268	81.0%	237	71.6%	214	64.7%
SWITZERLAND	144	81	56.3%	108	75.0%	102	70.8%	108	75.0%	110	76.4%	102	70.8%	88	61.1%	72	50.0%
TIPPECANOE	3541	2219	62.7%	2535	71.6%	2509	70.9%	2237	63.2%	2518	71.1%	2510	70.9%	2239	63.2%	1837	51.9%
TIPTON	227	171	75.3%	196	86.3%	196	86.3%	197	86.8%	189	83.3%	196	86.3%	168	74.0%	158	69.6%
UNION	64	42	65.6%	52	81.3%	53	82.8%	54	84.4%	49	76.6%	51	79.7%	43	67.2%	34	53.1%
VANDEBURGH	3031	2336	77.1%	2668	88.0%	2628	86.7%	2681	88.5%	2574	84.9%	2625	86.6%	2326	76.7%	2182	72.0%
VERMILLION	257	161	62.6%	192	74.7%	194	75.5%	194	75.5%	192	74.7%	194	75.5%	158	61.5%	140	54.5%
VIGO	1804	1234	68.4%	1473	81.7%	1433	79.4%	1445	80.1%	1453	80.5%	1428	79.2%	1257	69.7%	1087	60.3%
WABASH	440	330	75.0%	374	85.0%	374	85.0%	375	85.2%	378	85.9%	369	83.9%	324	73.6%	297	67.5%
WARREN	154	106	68.8%	117	76.0%	120	77.9%	102	66.2%	116	75.3%	119	77.3%	109	70.8%	86	55.8%
WARRICK	977	806	82.5%	890	91.1%	868	88.8%	880	90.1%	868	88.8%	863	88.3%	787	80.6%	736	75.3%
WASHINGTON	426	306	71.8%	344	80.8%	350	82.2%	342	80.3%	351	82.4%	347	81.5%	310	72.8%	279	65.5%
WAYNE	1073	771	71.9%	889	82.9%	886	82.6%	922	85.9%	824	76.8%	884	82.4%	756	70.5%	706	65.8%
WELLS	458	343	74.9%	406	88.6%	380	83.0%	403	88.0%	398	86.9%	380	83.0%	334	72.9%	301	65.7%
WHITE	500	329	65.8%	391	78.2%	378	75.6%	361	72.2%	391	78.2%	376	75.2%	330	66.0%	278	55.6%
WHITLEY	568	433	76.2%	480	84.5%	479	84.3%	490	86.3%	484	85.2%	481	84.7%	436	76.8%	405	71.3%