

# A Formula Funding Allocation Model for Indiana's Centers for Independent Living

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Report commissioned by:

StarReach Enterprises

*on behalf of*

Indiana Council on Independent Living

Report prepared by:

Indiana Business Research Center, Indiana University Kelley School of Business

*adapting the formula funding model of the*

Illinois Network of Centers for Independent Living

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## Executive Summary

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This report uses a formula funding model as an unbiased way of allocating funds for centers for independent living across Indiana. Under contract with the Indiana Council on Independent Living, StarReach Enterprises hired the Indiana Business Research Center (IBRC) at Indiana University's Kelley School of Business to adapt the approach used by the Illinois Network of Centers for Independent Living (IL-Network).

IBRC researchers followed IL-Network's approach of incorporating indices based on service, worker disability and economic distress into funding estimates (the results noted in this report). In addition, the IBRC made a few enhancements to allow for the use of more current data and to adjust for inflation.

The model provides an equitable distribution of funding across Indiana's 92 counties, totaling \$20.3 million statewide. Some highlights of the model include:

- The Service Index, based on the numerical size of the disadvantaged population, is the most influential among the three indices. Counties with high levels of worker disability or economic distress, however, also received higher levels of funding relative to other counties with otherwise similar characteristics.
- Marion County was allocated the highest level of annual funding—\$401,400. This amounts to less than two percent of statewide funding. No county received under \$145,600 (or 0.72 percent) of state funding.

The report also presents the limitations of this formula funding model. In particular, future funding formulae beyond 2011 will have to adapt to the changing definitions of disability by federal data collection agencies.

# Report

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## Introduction

This report presents a formula funding allocation model for an equitable strategy to determine the funding needed by all 92 Indiana counties for current and future centers for independent living (CILs). StarReach Enterprises, under contract with the Indiana Council on Independent Living, hired the Indiana Business Research Center (IBRC) to adapt and implement the formula funding method used by the Illinois Network of Centers for Independent Living (IL-Network).

CILs are included within the Rehabilitation Act Amendments of 1973 which the U.S. Congress passed with the goal of empowering “individuals with disabilities to maximize employment, economic self-sufficiency, independence, and inclusion and integration into society.” Specifically, Title VII of this act requires that CILs are “consumer-controlled, community-based, cross-disability, nonresidential, private nonprofit organizations that are designed and operated within local communities by individuals with disabilities and provide an array of [Independent Living] services, regardless of funding.”<sup>1</sup>

This study uses the Census 2000 definition of disability whenever considering the number or proportion of disabled persons within each county. According to the U.S. Bureau of the Census survey instruments<sup>2</sup>, a person has a disability if he or she reports one or more of the following conditions:

- a sensory, physical, mental, or self-care disability
- a disability affecting going outside the home
- an employment disability (or “work disability”)

The mission of the Indiana Council on Independent Living (ICOIL) is to “lead a statewide Independent Living Movement that empowers people with disabilities to promote access and funding for CILs in Indiana.”<sup>3</sup> Currently, there are nine CILs in Indiana, each of which serves multiple counties for a total of 51 of Indiana’s 92 counties.<sup>4</sup> CILs play an important role in helping disabled residents obtain skills training and referrals to important resources. Ideally all counties should obtain sufficient funding to ensure access to such centers.

Formula funding presents a useful strategy for estimating the amount of funding a particular county needs for CILs based on its unique demographic and economic profile. While such a method is relatively new as a funding allocation strategy for this type of center in the U.S., they have been used in education and other public policy arenas, particularly in Europe. According to economist Peter C. Smith, formula funding:

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<sup>1</sup> Official details concerning The Rehabilitation Act Amendments of 1973 (as of 2003) are provided by the United States Access Board at: <http://www.access-board.gov/enforcement/Rehab-Act-text/intro.htm>

<sup>2</sup> U.S. Census Bureau. 2003. “Disability Status: Census 2000 Brief.” U.S. Census Disability Resources are available on-line at: <http://www.census.gov/hhes/www/disability/publications.html>

<sup>3</sup> This information comes from the ICOIL website: <http://www.icoil.org/>

<sup>4</sup> More information is contained within: Wheeler, Marci. 2008. “Indiana Centers for Independent Living”. Bloomington, IN: Indiana Resource Center for Autism. This article is available at: <http://www.iidc.indiana.edu/irca/ServArticles/Centers.html>

## Formula Funding for Indiana’s Centers for Independent Living

“can be defined in broad terms as the use of mechanical rules to determine prospectively the level of public funds a devolved organization should receive for delivering a specified public service. Formula funding can therefore be distinguished from alternative mechanisms, such as allocating funds according to the quality of local bids, political patronage, or historical precedent, or simply reimbursing actual expenditure.”<sup>5</sup>

Thus, formula funding has the potential for ensuring fairness and transparency for a system designed to assist and empower a traditionally disadvantaged population.

As explained above, the IBRC followed the IL-Network’s model closely. The indices are based on the levels of service need, worker disability and economic distress within each county. These index scores are incorporated into an overall funding estimate. The research team also made the following enhancements:

- Use of most current American Community Survey data (2005-2007) where available to augment data from the most recent Decennial Census in 2000.
- Use of most current (2007) Quarterly Census of Employment and Wages (QCEW) data from the Indiana Department of Workforce Development (instead of Illinois-specific data from the Illinois Department of Employment Security)
- Use of inflation adjustments to reflect the higher cost of living in 2009 compared to 2000 – the last possible year on which the IL-Network model could have been based. This adjustment uses the U.S. Department of Labor Consumer Price Index (CPI) calculation of 23 percent over the nine-year time period.

This report presents the results of the funding calculations for all Indiana counties. The funding formula model generates an equitable distribution of funding that ranges from \$145,600 to \$401,400. No county was assigned more than 2 percent of overall state funding. The report also discusses the current and future uses of this formula funding model, in light of recent changes to federal data on disability that may require revisions to the index calculations for 2011 and beyond.

## Methodology

The IBRC assembled data from a range of federal and state sources and then implemented a modified version of IL-Network’s formula funding methodology to determine the funding needed for each Indiana county. The best source for relevant data was the Decennial Census<sup>6</sup>—notably for data on disability. These data were supplemented by the most recent annual population estimates of the American Community Survey<sup>7</sup> (ACS) and employment data from the Indiana Department of Workforce Development (IDWD).

Following the IL-Network method, the IBRC created three indices—the Service Index, the Worker Disability Index, and the Economic Distress Index. These three indices were averaged to produce a funding figure in thousands of dollars and adjusted for inflation. Below is a description for how the

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<sup>5</sup> Smith, Peter C. 2003. “Formula Funding of Public Services: An Economic Analysis.” *Oxford Review of Economic Policy* 19: 2

<sup>6</sup> The Decennial Census is compiled by the U.S. Census Bureau which is part of the U.S. Department of Commerce’s Economics and Statistics Administration. More information is available at: [www.census.gov](http://www.census.gov)

<sup>7</sup> The American Community Survey is conducted annually by the U.S. Census Bureau.

## Formula Funding for Indiana’s Centers for Independent Living

IBRC gathered the data, constructed and modified the indices, and produced formula funding results for Indiana’s counties.

### Data and Sources

Table 1 summarizes the sources of data used to calculate the three indices and final formula funding results. In some cases more recent ACS data (annual estimates based on the 2005-2007 period) were available for 72 of Indiana’s 92 counties than data from the most recent census (2000).<sup>8</sup> In these cases, the more recent data were used to develop current estimates for all counties. (See Formula Funding Calculations section for more details).

**Table 1: Data Sources for Formula Funding Calculations**

<u>Indices</u>	<u>Information</u>	<u>Year</u>	<u>Source</u>	<u>Data Item from Source</u>
Service; Worker Disability	Population Aged 16 64	2000	Census 2000 File 3	P42. Sex by Age by Disability Status by Employment Status for the Civilian Non institutionalized Population 5+ Years
Service	Population Aged 16 64	2005 07*	American Community Survey (ACS)	C18002. Sex by Age by Disability Status for the Civilian Non institutionalized Population 5 Years and Over
Service	Disabled Population Aged 16 64	2000	Census 2000 File 3	P42. Sex by Age by Disability Status by Employment Status for the Civilian Non institutionalized Population 5+ Years
Worker Disability	Population Aged 21 64	2000	Census 2000 File 3	PCT32. Sex by Age by Employment Disability by Employment Status for the Civilian Non institutionalized Population 16 to 64 Years [31] Universe: Civilian Non institutionalized Population 16 to 64 Years
Worker Disability	Population Aged 21 64 with Work Disability	2000	Census 2000 File 3	PCT32. Sex by Age by Employment Disability by Employment Status for the Civilian Non institutionalized Population 16 to 64 Years [31] Universe: Civilian Non institutionalized Population 16 to 64 Years
Economic Distress	Total Population	2000	Census 2000 File 1	P1. Total Population

<sup>8</sup> At the time of this writing, American Community Survey estimates are not available for counties with populations smaller than 20,000. These include Indiana’s 20 smallest counties: Benton, Blackford, Brown, Carroll, Crawford, Fountain, Martin, Newton, Ohio, Orange, Parke, Perry, Pike, Pulaski, Rush, Switzerland, Tipton, Union, Vermillion and Warren. In 2010, the Census Bureau will commence releasing ACS estimates for counties under the 20,000 population threshold.

## Formula Funding for Indiana’s Centers for Independent Living

<u>Indices</u>	<u>Information</u>	<u>Year</u>	<u>Source</u>	<u>Data Item from Source</u>
Economic Distress	Total Population	2005-07*	American Community Survey (ACS)	B01001. Sex by Age Universe: Total Population
Economic Distress	Total Employment	2007	Indiana Department of Workforce Development Quarterly Census of Employment and Wages	Comparison Table of Annual Average Figures for all Indiana Counties, all Industries
Economic Distress	Agricultural Employment	2007	Indiana Department of Workforce Development Quarterly Census of Employment and Wages	Comparison Table of Annual Average Figures for all Indiana Counties, Agriculture, Forestry, Fishing & Hunting Industries
Economic Distress	Land Area in Square Miles	2000	Census 2000 Summary File 1	GCT PH1. Population, Housing Units, Area, and Density
Formula Funding Summary	Inflation	2009	U.S. Department of Labor	Consumer Price Index (CPI) Inflation Calculator

\* ACS figures are annualized estimates based on this three year period for 72 out of Indiana's 92 counties. All sources provide state and county level data. Inflation is measured at the national level. Websites for each data source are included in the Source table of the Appendix.  
Source: IBRC

### Formula Funding Calculations

The IBRC research team repeated the steps followed by IL-Network,<sup>9</sup> but made modifications to incorporate new data sources where possible. The following summarizes the calculations for each index. The Appendix provides detailed results for every calculation.

#### Service Index

The Service Index is the ratio of non-institutionalized persons with disabilities aged 16-64 to all non-institutionalized persons aged 16-64 in each county. Because there was not a uniform source for population statistics, the research team first determined the most current data for the number of disabled persons between the ages of 16 and 64 within each county. For counties that did not have the threshold 20,000 population and for which ASC data were not available, the proportion of disabled persons according to the 2000 Census was used to estimate the number of disabled persons.<sup>10</sup> The formula for this calculation is as follows:

$$Disabled16to64_{2005-2007}^{County} = Population16to64_{2005-2007}^{County} \times \frac{Disabled16to64_{2000}^{County}}{Population16to64_{2000}^{County}}$$

<sup>9</sup> Guidelines for these procedures were provided by Terry Brigance (StarReach Enterprises) on behalf of Mike Egbert, Executive Director of Opportunities for Access and Member of the Board of Directors of the Illinois Network of Centers for Independent Living (IL-Network)

<sup>10</sup> ACS data from the Census Bureau are used, rather than population estimates and projections that the IBRC produces, in order to accommodate the specific age range between 16 and 64 years of age required by the IL-Network method.

## Formula Funding for Indiana’s Centers for Independent Living

Current population figures are not available for the smallest 20 Indiana counties. As a result, an approximate figure for the current population in the target age group for 2007 was determined by using the growth in the target group’s population for the state as a whole.

$$Population_{16to64}^{County}_{2005-2007} = Population_{16to64}^{County}_{2000} \times \frac{Population_{16to64}^{State}_{2005-2007}}{Population_{16to64}^{State}_{2000}}$$

Once the research team determined estimates for the current disabled population, then each county was assigned an index score based on the thresholds outlined in Table 2.

**Table 2: Number of Disabled Persons by Service Index Score**

Number of Disabled Aged 16 and 64	Service Index Score
0-999	100
1,000-4,999	200
5,000-9,999	300
10,000-14,999	400
15,000-39,999	500
40,000-69,999	600
70,000-99,999	700
100,000-149,999	800
150,000-199,999	900
200,000 or more	1000

Source: Illinois Network of Centers for Independent Living (IL Network)

### Worker Disability Index

The Worker Disability Index compares the percentage of a county’s non-institutionalized persons with a work disability to Indiana’s corresponding percentage.<sup>11</sup> The index, rounded to whole numbers without decimal places, was derived by the following formula:

$$WorkerDisabilityIndex = 100 \times \left( \frac{WorkDisabled_{21to64}^{County}_{2000}}{Population_{21to64}^{County}_{2000}} \div \frac{WorkDisabled_{21to64}^{State}_{2000}}{Population_{21to64}^{State}_{2000}} \right)$$

### Economic Distress Index

The Economic Distress Index compares the relative job density (level of non-agricultural employment by population size) in each county compared to job density statewide. It is constructed so that higher index levels indicate a higher unemployment rate by geographic area. This index uses

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<sup>11</sup> Like the Service Index, the relevant population is between the ages of 21 and 64. Unlike the Service Index, where all forms of disability are considered, the Worker Disability Index considers the subset of work (or employment) disabilities.

## Formula Funding for Indiana’s Centers for Independent Living

total population data and the most recent employment figures, both at the county level. For the 20 counties for which ACS population data were not available, the following formula was used to estimate their current populations:

$$TotalPopulation_{2005-2007}^{County} = TotalPopulation_{2000}^{County} \times \frac{TotalPopulation_{2005-2007}^{State}}{TotalPopulation_{2000}^{State}}$$

Following the IL-Network method, the funding formula uses state QCEW rather than U.S. Bureau of Labor Statistics employment data. Then the most current employment figures for non-agricultural industries<sup>12</sup> were determined by subtracting agricultural employment from total employment by county:

$$NonAgriEmployment_{2007}^{County} = TotalEmployment_{2007}^{County} - AgriEmployment_{2007}^{County}$$

Again following the IL-Network method, for each county as well as for the state, the employment per square mile of land area was divided by the total population per square mile of land area to get the Job Density.<sup>13</sup>

$$JobDensity_{2007}^{County} = \left( \frac{NonAgriEmployment_{2007}^{County}}{LandArea_{2000}^{County}} \div \frac{TotalPopulation_{2005-2007}^{County}}{LandArea_{2000}^{County}} \right)$$

$$JobDensity_{2007}^{State} = \left( \frac{NonAgriEmployment_{2007}^{State}}{LandArea_{2000}^{State}} \div \frac{TotalPopulation_{2005-2007}^{State}}{LandArea_{2000}^{State}} \right)$$

Next, the Job Density Ratio of each county (in relation to the state) was computed:

$$JobDensityRatio_{2007}^{County} = JobDensity_{2007}^{County} \div JobDensity_{2007}^{State}$$

Finally, the Economic Distress Index was calculated as 100 divided by the Job Density Ratio. The results were rounded to whole numbers, without decimal places:

$$EconomicDistressIndex = 100 \div JobDensityRatio_{2007}^{County}$$

### Final Formula Funding Calculation

The final formula funding calculation averaged the three index scores and then adjusted the result to a monetary figure that accounted for inflation. First the Index Average was computed as follows:

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<sup>12</sup> Here, “agricultural industries” include: agriculture, forestry, fishing and hunting.

<sup>13</sup> While this is the method used by IL-Network, this calculation can be simplified by simply dividing the non-agricultural employment by the total population, hence land area values are not needed for this calculation. See the ‘Discussion: Current and Future Use of the Model’ section for more information.

$$IndexAverage = \left( \frac{ServiceIndex + WorkerDisabilityIndex + EconomicDistressIndex}{3} \right)$$

The final formula funding result multiplied the Index Average by 1,000 and adjusted for inflation by increasing that value by 23% to convert 2000 dollars to 2009 monetary values.<sup>14</sup>

$$FormulaFunding = IndexAverage \times 1000 \times 1.23$$

## Findings & Analysis: Formula-Based Funding by Indiana County

The formula funding calculations imply that CILs in Indiana’s 92 counties need an estimated \$20.3 million worth of funding. Table 3 lists the index scores for each county, the corresponding funding needs of their centers and their respective percentage of the total implied state funding.

Three counties have large Service Index scores—Marion (800), Lake (700) and Allen (600)—and the model allocates over \$317,000 to each in formula funding. Given their large overall population sizes, these counties also had large absolute numbers of disabled people among their working age populations.

While the Service Index exerts a relatively strong influence on the overall Formula Funding results, the Worker Disability and Economic Distress indices still had substantial influences on Formula Funding for most counties. Notably Clinton County, with under 34,000 inhabitants, had a relatively high Formula Funding value of \$257,000 (17<sup>th</sup> largest among counties) despite a Service Index of just 200. Clinton had an extremely high Worker Disability Index score of 185—far higher than any other county—due to the fact that over 22 percent of their population aged 21 to 64 cite having a work disability. Also with disproportionately high funding results (among the top third) despite having populations below 24,000 are Crawford, Starke and Union counties. These three counties, among the top four for Economic Distress Index scores, had very low levels of employment for their population size—less than 20 employed per 100 persons whereas the state average was approximately 46 employed per 100 persons.

**Table 3: Formula Funding Results by County for Indiana’s CILs, 2009**

County	Service Index	Worker Disability Index	Economic Distress Index	Formula Result	Total Formula Funding (2000 \$)	Total Formula Funding (2009 \$)	Percent of State Funding
Indiana (Statewide)					\$16,512,333	\$20,310,170	
Adams	200	85	110	131.667	\$131,667	\$161,950	0.80%
Allen	600	87	87	258.000	\$258,000	\$317,340	1.56%
Bartholomew	300	87	78	155.000	\$155,000	\$190,650	0.94%
Benton	200	112	189	167.000	\$167,000	\$205,410	1.01%
Blackford	200	111	171	160.667	\$160,667	\$197,620	0.97%

<sup>14</sup> This inflation adjustment is based on the Consumer Price Index (CPI) Inflation Calculator provided by the U.S. Department of Labor, available on-line at: [http://www.bls.gov/data/inflation\\_calculator.htm](http://www.bls.gov/data/inflation_calculator.htm)

Formula Funding for Indiana's Centers for Independent Living

County	Service Index	Worker Disability Index	Economic Distress Index	Formula Result	Total Formula Funding (2000 \$)	Total Formula Funding (2009 \$)	Percent of State Funding
Boone	300	157	131	196.000	\$196,000	\$241,080	1.19%
Brown	200	104	223	175.667	\$175,667	\$216,070	1.06%
Carroll	200	106	176	160.667	\$160,667	\$197,620	0.97%
Cass	300	93	117	170.000	\$170,000	\$209,100	1.03%
Clark	500	106	100	235.333	\$235,333	\$289,460	1.43%
Clay	200	108	170	159.333	\$159,333	\$195,980	0.96%
Clinton	300	185	141	208.667	\$208,667	\$256,660	1.26%
Crawford	200	144	241	195.000	\$195,000	\$239,850	1.18%
Daviess	200	113	124	145.667	\$145,667	\$179,170	0.88%
Dearborn	300	98	153	183.667	\$183,667	\$225,910	1.11%
Decatur	200	81	95	125.333	\$125,333	\$154,160	0.76%
DeKalb	300	102	95	165.667	\$165,667	\$203,770	1.00%
Delaware	500	81	111	230.667	\$230,667	\$283,720	1.40%
Dubois	200	90	66	118.667	\$118,667	\$145,960	0.72%
Elkhart	500	107	72	226.333	\$226,333	\$278,390	1.37%
Fayette	200	135	145	160.000	\$160,000	\$196,800	0.97%
Floyd	300	90	114	168.000	\$168,000	\$206,640	1.02%
Fountain	200	122	151	157.667	\$157,667	\$193,930	0.95%
Franklin	200	84	239	174.333	\$174,333	\$214,430	1.06%
Fulton	200	108	136	148.000	\$148,000	\$182,040	0.90%
Gibson	300	126	94	173.333	\$173,333	\$213,200	1.05%
Grant	400	104	119	207.667	\$207,667	\$255,430	1.26%
Greene	300	114	203	205.667	\$205,667	\$252,970	1.25%
Hamilton	500	63	106	223.000	\$223,000	\$274,290	1.35%
Hancock	300	90	153	181.000	\$181,000	\$222,630	1.10%
Harrison	300	98	146	181.333	\$181,333	\$223,040	1.10%
Hendricks	500	110	131	247.000	\$247,000	\$303,810	1.50%
Henry	300	104	164	189.333	\$189,333	\$232,880	1.15%
Howard	400	87	96	194.333	\$194,333	\$239,030	1.18%
Huntington	200	101	115	138.667	\$138,667	\$170,560	0.84%
Jackson	300	124	95	173.000	\$173,000	\$212,790	1.05%
Jasper	200	96	117	137.667	\$137,667	\$169,330	0.83%
Jay	200	110	121	143.667	\$143,667	\$176,710	0.87%
Jefferson	300	115	115	176.667	\$176,667	\$217,300	1.07%
Jennings	200	123	163	162.000	\$162,000	\$199,260	0.98%
Johnson	500	99	141	246.667	\$246,667	\$303,400	1.49%
Knox	300	116	107	174.333	\$174,333	\$214,430	1.06%
Kosciusko	400	97	99	198.667	\$198,667	\$244,360	1.20%
LaGrange	200	98	136	144.667	\$144,667	\$177,940	0.88%

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County	Service Index	Worker Disability Index	Economic Distress Index	Formula Result	Total Formula Funding (2000 \$)	Total Formula Funding (2009 \$)	Percent of State Funding
Lake	700	103	116	306.333	\$306,333	\$376,790	1.86%
La Porte	400	97	113	203.333	\$203,333	\$250,100	1.23%
Lawrence	300	111	151	187.333	\$187,333	\$230,420	1.13%
Madison	500	112	153	255.000	\$255,000	\$313,650	1.54%
Marion	800	110	69	326.333	\$326,333	\$401,390	1.98%
Marshall	300	93	112	168.333	\$168,333	\$207,050	1.02%
Martin	200	130	72	134.000	\$134,000	\$164,820	0.81%
Miami	200	88	166	151.333	\$151,333	\$186,140	0.92%
Monroe	400	55	94	183.000	\$183,000	\$225,090	1.11%
Montgomery	300	103	108	170.333	\$170,333	\$209,510	1.03%
Morgan	400	112	212	241.333	\$241,333	\$296,840	1.46%
Newton	200	112	164	158.667	\$158,667	\$195,160	0.96%
Noble	300	97	116	171.000	\$171,000	\$210,330	1.04%
Ohio	100	96	159	118.333	\$118,333	\$145,550	0.72%
Orange	200	129	120	149.667	\$149,667	\$184,090	0.91%
Owen	200	124	206	176.667	\$176,667	\$217,300	1.07%
Parke	200	100	236	178.667	\$178,667	\$219,760	1.08%
Perry	200	90	141	143.667	\$143,667	\$176,710	0.87%
Pike	200	105	200	168.333	\$168,333	\$207,050	1.02%
Porter	500	79	127	235.333	\$235,333	\$289,460	1.43%
Posey	200	99	139	146.000	\$146,000	\$179,580	0.88%
Pulaski	200	123	142	155.000	\$155,000	\$190,650	0.94%
Putnam	300	143	138	193.667	\$193,667	\$238,210	1.17%
Randolph	200	108	168	158.667	\$158,667	\$195,160	0.96%
Ripley	200	123	98	140.333	\$140,333	\$172,610	0.85%
Rush	200	101	163	154.667	\$154,667	\$190,240	0.94%
St. Joseph	500	90	98	229.333	\$229,333	\$282,080	1.39%
Scott	200	122	153	158.333	\$158,333	\$194,750	0.96%
Shelby	300	134	120	184.667	\$184,667	\$227,140	1.12%
Spencer	200	89	133	140.667	\$140,667	\$173,020	0.85%
Starke	200	119	249	189.333	\$189,333	\$232,880	1.15%
Steuben	200	92	107	133.000	\$133,000	\$163,590	0.81%
Sullivan	200	129	186	171.667	\$171,667	\$211,150	1.04%
Switzerland	200	105	182	162.333	\$162,333	\$199,670	0.98%
Tippecanoe	500	69	97	222.000	\$222,000	\$273,060	1.34%
Tipton	200	114	201	171.667	\$171,667	\$211,150	1.04%
Union	200	131	239	190.000	\$190,000	\$233,700	1.15%
Vanderburgh	500	102	75	225.667	\$225,667	\$277,570	1.37%
Vermillion	200	93	168	153.667	\$153,667	\$189,010	0.93%

## Formula Funding for Indiana's Centers for Independent Living

County	Service Index	Worker Disability Index	Economic Distress Index	Formula Result	Total Formula Funding (2000 \$)	Total Formula Funding (2009 \$)	Percent of State Funding
Vigo	500	104	92	232.000	\$232,000	<b>\$285,360</b>	1.41%
Wabash	200	118	117	145.000	\$145,000	<b>\$178,350</b>	0.88%
Warren	200	106	199	168.333	\$168,333	<b>\$207,050</b>	1.02%
Warrick	300	86	180	188.667	\$188,667	<b>\$232,060</b>	1.14%
Washington	200	111	207	172.667	\$172,667	<b>\$212,380</b>	1.05%
Wayne	400	105	96	200.333	\$200,333	<b>\$246,410</b>	1.21%
Wells	200	74	119	131.000	\$131,000	<b>\$161,130</b>	0.79%
White	200	137	127	154.667	\$154,667	<b>\$190,240</b>	0.94%
Whitley	200	87	122	136.333	\$136,333	<b>\$167,690</b>	0.83%

Note: See appendices for calculations for each index and details on final formula funding calculations.

Source: IBRC, using data from the U.S. Decennial Census, American Community Survey, Indiana Department of Workforce Development and the U.S. Department of Labor

Figure 1 illustrates the modeled CIL funding needs by county. Some counties have relatively higher funding needs due to their larger population sizes and corresponding Service Index scores, even though they have low proportions of persons with work disabilities and low levels of economic distress. For example, Tippecanoe County has a relatively high funding estimate of \$273,060. This is because of its relatively large population of 160,000 and Service Index score of 500, despite relatively low Worker Disability Index and Economic Distress Index scores. Alternatively, there are counties with small populations, such as Fountain, Pulaski and Scott, for which the model generated low funding results, despite having high Worker Disability Index and Economic Distress Index scores.



## Discussion: Current and Future Use of the Model

This formula funding model is an important step towards funding counties' CILs based on the relative needs of their populations. This was the intent of the Illinois Network of Centers for Independent Living (IL-Network) which first promoted this model. The Indiana Council on Independent Living (ICOIL) sought to apply this method to Indiana. The model succeeds to the extent that it accounts for a variety of factors. It reduces the chance that counties with larger populations receive an overly large share of the funding. For example, even though Marion County has over 14 percent of the state's population, this formula funding strategy attributes it less than two percent of state funding for CILs.<sup>15</sup>

One should consider the limitations of the funding formula in order to evaluate the results and make future improvements.<sup>16</sup> The thresholds used to assign Service Index scores (based on the number of disabled persons within each county) have not been updated to reflect population growth and, correspondingly, the growing number of disabled persons within each county. This is an important point given the influence of the Service Index in determining the overall formula funding result, that is, about half the magnitude of the funding allocation estimated for each county. Additionally, the model does not reflect the effects of population density in a meaningful way.<sup>17</sup> And the model's assessment of economic distress, which relies solely on the basis of the ratio of employed people to a county's total population, overlooks many potential factors that more directly relate to economic distress.

Other considerations include the upcoming Decennial Census (2010) that will no longer collect data on disability. Future federal data sources may apply different definitions of disability in their surveys and there is already a significant definitional difference between current American Community Survey data on disability and the 2000 Decennial Census. In this case, the research team decided to use the older source.<sup>18</sup> Beyond 2010, the American Community Survey (ACS) will replace the Decennial Census as the primary federal source for demographic data on disability. The Current Population Survey, jointly administered by the U.S. Census Bureau and the U.S. Department of Labor, will become the equivalent source for data on work disability.<sup>19</sup> The U.S. Census Bureau warns that "ACS disability questions are different from the Census 2000 disability questions, thus

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<sup>15</sup> The model developed here differs somewhat from the original formula devised by IL-Network. This study is county-focused while IL-Network's model is center-focused.

<sup>16</sup> A key obstacle to improving the current model is that we have not been able to locate the original empirical research on which it was based. This research is believed to have been conducted in the early 1990s by economists at Southern Illinois University – Carbondale.

<sup>17</sup> Please see the calculations described for the Economic Distress Index in the Methodology section. In the step that creates the intermediate Job Density Index (for county and state), a fraction that divides non-agricultural employment by land area is divided by another fraction dividing total population by the same land area. The influence of land area size is thereby "cancelled out" since this factor is effectively used in the numerator and denominator of this calculation step.

<sup>18</sup> Please see pages vi, 35 and 36 from the official U.S. Census report documenting differences in disability statistics between these sources. This document is entitled "Meeting 21st Century Demographic Data Needs—Implementing the American Community Survey / Report 9: Comparing Social Characteristics With Census 2000" (June 2004). It is available at: [www.census.gov](http://www.census.gov)

<sup>19</sup> This information comes from the Cornell University Online Resource for US Disability Statistics. Available at: <http://www.ilr.cornell.edu/edi/disabilitystatistics/faq.cfm>

comparisons cannot be made.”<sup>20</sup> As a result, the future formula funding methodology will have to take into account these changing definitions.

### Conclusions

This study shows the advantages of a formula funding approach. The Indiana Council on Independent Living commissioned the Indiana Business Research Center to apply an “objective, rational model for allocating state funds to existing or proposed centers for independent living (CILs) in Indiana.” The IBRC adapted a funding formula from the Illinois Network of Centers for Independent Living. According to the Indiana formula, the 92 counties need an estimated \$20.3 million for CILs.

Although Marion County, with its large disabled population, receives the greatest allocation of funding for its CILs (\$401,400), the model ensures that no county receives an unduly large or small amount of funding. Formula calculations account for service needs, economic distress factors and the proportion of workers with work disabilities. This results in a relatively equitable distribution of funding throughout the state. For example, no county is allocated less than \$145,600 (Ohio County).

While this funding allocation strategy works to allocate current funding for CILs, the IBRC researchers caution that a new model will likely be needed for 2011 and beyond. This is due to important changes to federal data on disability that will become permanent after the 2010 Decennial Census.

### Disclaimer

This analysis was conducted explicitly to apply the IL-Network funding formula model to Indiana counties, as requested by ICOIL. The funding amounts the model determined for each county are an automatic result of the model's formulae, which reflect assumptions implicit in the IL-Network model's design. Different assumptions could lead to different calculations and, thus, different funding recommendations. The IBRC makes no assertions as to the validity of the current model's assumptions nor the optimality of the formula funding results.

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<sup>20</sup> For more information, please read the relevant section of the U.S. Census document entitled: “How to Use the Data: Detailed Information on 2007 ACS Data Comparisons” available at: [http://www.census.gov/acs/www/UseData/Comparison\\_Guidance.htm#diswork](http://www.census.gov/acs/www/UseData/Comparison_Guidance.htm#diswork)

## Appendices

### Instructions for Completing the Formula Funding Worksheet

To simplify the process for updating formula funding calculations, the IBRC has prepared an interactive document containing four worksheets and a list of data sources. Once all relevant data has been collected from the various sources, a user simply enters data into the white spaces within each of the worksheets.

While the data entry is straightforward, the user should take care to always enter data for the total of the state of Indiana first, before entering data for each of the counties. While complete data should be entered for most fields, the user can leave blanks where American Community Survey (ACS) data are not available. For questions, please contact the Indiana Business Research Center at 812-855-5507 or at [ibrc@iupui.edu](mailto:ibrc@iupui.edu).

### Completed Worksheets for Current Funding Allocation (2009)

Please see the attached document containing the following:

- Formula Funding Summary (pages 1 to 4)
- Service Index Calculations (pages 5 to 12)
- Worker Disability Index Calculations (pages 13 to 16)
- Economic Distress Index Calculations (pages 17 to 22)
- Sources List (pages 23 to 24)

A	B	C	D	E	F	G	H	I	J
FIPS	County, State	Service Index	Worker Disability Index	Economic Distress Index	FORMULA RESULT	TOTAL FORMULA FUNDING (2000 \$)	DATA ENTRY Inflation since 2000 <i>US Dept. of Labor</i>	TOTAL FORMULA FUNDING (Current \$)	Percent of State Funding Needed by County
		Calculation	Calculation	Calculation	Calculation	Calculation	Current Year:	Calculation	Calculation
		(worksheet)	(worksheet)	(worksheet)	(Col C + D + E)/3	Col F x \$1,000	2009	Col G x Col. H	Col I / State Total
	<b>Indiana (Statewide)</b>	--	--	--	--	<b>\$16,512,333</b>	<b>0.23</b>	<b>\$20,310,170</b>	--
18001	Adams County	200	85	110	131.6667	\$131,667	0.23	\$161,950	0.80%
18003	Allen County	600	87	87	258.0000	\$258,000	0.23	\$317,340	1.56%
18005	Bartholomew County	300	87	78	155.0000	\$155,000	0.23	\$190,650	0.94%
18007	Benton County	200	112	189	167.0000	\$167,000	0.23	\$205,410	1.01%
18009	Blackford County	200	111	171	160.6667	\$160,667	0.23	\$197,620	0.97%
18011	Boone County	300	157	131	196.0000	\$196,000	0.23	\$241,080	1.19%
18013	Brown County	200	104	223	175.6667	\$175,667	0.23	\$216,070	1.06%
18015	Carroll County	200	106	176	160.6667	\$160,667	0.23	\$197,620	0.97%
18017	Cass County	300	93	117	170.0000	\$170,000	0.23	\$209,100	1.03%
18019	Clark County	500	106	100	235.3333	\$235,333	0.23	\$289,460	1.43%
18021	Clay County	200	108	170	159.3333	\$159,333	0.23	\$195,980	0.96%
18023	Clinton County	300	185	141	208.6667	\$208,667	0.23	\$256,660	1.26%
18025	Crawford County	200	144	241	195.0000	\$195,000	0.23	\$239,850	1.18%
18027	Daviess County	200	113	124	145.6667	\$145,667	0.23	\$179,170	0.88%
18029	Dearborn County	300	98	153	183.6667	\$183,667	0.23	\$225,910	1.11%
18031	Decatur County	200	81	95	125.3333	\$125,333	0.23	\$154,160	0.76%
18033	DeKalb County	300	102	95	165.6667	\$165,667	0.23	\$203,770	1.00%
18035	Delaware County	500	81	111	230.6667	\$230,667	0.23	\$283,720	1.40%
18037	Dubois County	200	90	66	118.6667	\$118,667	0.23	\$145,960	0.72%
18039	Elkhart County	500	107	72	226.3333	\$226,333	0.23	\$278,390	1.37%
18041	Fayette County	200	135	145	160.0000	\$160,000	0.23	\$196,800	0.97%
18043	Floyd County	300	90	114	168.0000	\$168,000	0.23	\$206,640	1.02%
18045	Fountain County	200	122	151	157.6667	\$157,667	0.23	\$193,930	0.95%
18047	Franklin County	200	84	239	174.3333	\$174,333	0.23	\$214,430	1.06%
18049	Fulton County	200	108	136	148.0000	\$148,000	0.23	\$182,040	0.90%

A	B	C	D	E	F	G	H	I	J
FIPS	County, State	Service Index	Worker Disability Index	Economic Distress Index	FORMULA RESULT	TOTAL FORMULA FUNDING (2000 \$)	DATA ENTRY Inflation since 2000 <i>US Dept. of Labor</i>	TOTAL FORMULA FUNDING (Current \$)	Percent of State Funding Needed by County
		Calculation	Calculation	Calculation	Calculation	Calculation	Current Year:	Calculation	Calculation
		(worksheet)	(worksheet)	(worksheet)	(Col C + D + E)/3	Col F x \$1,000	2009	Col G x Col. H	Col I / State Total
	<b>Indiana (Statewide)</b>	--	--	--	--	<b>\$16,512,333</b>	<b>0.23</b>	<b>\$20,310,170</b>	--
18051	Gibson County	300	126	94	173.3333	\$173,333	0.23	\$213,200	1.05%
18053	Grant County	400	104	119	207.6667	\$207,667	0.23	\$255,430	1.26%
18055	Greene County	300	114	203	205.6667	\$205,667	0.23	\$252,970	1.25%
18057	Hamilton County	500	63	106	223.0000	\$223,000	0.23	\$274,290	1.35%
18059	Hancock County	300	90	153	181.0000	\$181,000	0.23	\$222,630	1.10%
18061	Harrison County	300	98	146	181.3333	\$181,333	0.23	\$223,040	1.10%
18063	Hendricks County	500	110	131	247.0000	\$247,000	0.23	\$303,810	1.50%
18065	Henry County	300	104	164	189.3333	\$189,333	0.23	\$232,880	1.15%
18067	Howard County	400	87	96	194.3333	\$194,333	0.23	\$239,030	1.18%
18069	Huntington County	200	101	115	138.6667	\$138,667	0.23	\$170,560	0.84%
18071	Jackson County	300	124	95	173.0000	\$173,000	0.23	\$212,790	1.05%
18073	Jasper County	200	96	117	137.6667	\$137,667	0.23	\$169,330	0.83%
18075	Jay County	200	110	121	143.6667	\$143,667	0.23	\$176,710	0.87%
18077	Jefferson County	300	115	115	176.6667	\$176,667	0.23	\$217,300	1.07%
18079	Jennings County	200	123	163	162.0000	\$162,000	0.23	\$199,260	0.98%
18081	Johnson County	500	99	141	246.6667	\$246,667	0.23	\$303,400	1.49%
18083	Knox County	300	116	107	174.3333	\$174,333	0.23	\$214,430	1.06%
18085	Kosciusko County	400	97	99	198.6667	\$198,667	0.23	\$244,360	1.20%
18087	LaGrange County	200	98	136	144.6667	\$144,667	0.23	\$177,940	0.88%
18089	Lake County	700	103	116	306.3333	\$306,333	0.23	\$376,790	1.86%
18091	LaPorte County	400	97	113	203.3333	\$203,333	0.23	\$250,100	1.23%
18093	Lawrence County	300	111	151	187.3333	\$187,333	0.23	\$230,420	1.13%
18095	Madison County	500	112	153	255.0000	\$255,000	0.23	\$313,650	1.54%
18097	Marion County	800	110	69	326.3333	\$326,333	0.23	\$401,390	1.98%
18099	Marshall County	300	93	112	168.3333	\$168,333	0.23	\$207,050	1.02%

A	B	C	D	E	F	G	H	I	J
FIPS	County, State	Service Index	Worker Disability Index	Economic Distress Index	FORMULA RESULT	TOTAL FORMULA FUNDING (2000 \$)	DATA ENTRY Inflation since 2000 <i>US Dept. of Labor</i>	TOTAL FORMULA FUNDING (Current \$)	Percent of State Funding Needed by County
		Calculation	Calculation	Calculation	Calculation	Calculation	Current Year:	Calculation	Calculation
		(worksheet)	(worksheet)	(worksheet)	(Col C + D + E)/3	Col F x \$1,000	2009	Col G x Col. H	Col I / State Total
	<b>Indiana (Statewide)</b>	--	--	--	--	<b>\$16,512,333</b>	<b>0.23</b>	<b>\$20,310,170</b>	--
18101	Martin County	200	130	72	134.0000	\$134,000	0.23	\$164,820	0.81%
18103	Miami County	200	88	166	151.3333	\$151,333	0.23	\$186,140	0.92%
18105	Monroe County	400	55	94	183.0000	\$183,000	0.23	\$225,090	1.11%
18107	Montgomery County	300	103	108	170.3333	\$170,333	0.23	\$209,510	1.03%
18109	Morgan County	400	112	212	241.3333	\$241,333	0.23	\$296,840	1.46%
18111	Newton County	200	112	164	158.6667	\$158,667	0.23	\$195,160	0.96%
18113	Noble County	300	97	116	171.0000	\$171,000	0.23	\$210,330	1.04%
18115	Ohio County	100	96	159	118.3333	\$118,333	0.23	\$145,550	0.72%
18117	Orange County	200	129	120	149.6667	\$149,667	0.23	\$184,090	0.91%
18119	Owen County	200	124	206	176.6667	\$176,667	0.23	\$217,300	1.07%
18121	Parke County	200	100	236	178.6667	\$178,667	0.23	\$219,760	1.08%
18123	Perry County	200	90	141	143.6667	\$143,667	0.23	\$176,710	0.87%
18125	Pike County	200	105	200	168.3333	\$168,333	0.23	\$207,050	1.02%
18127	Porter County	500	79	127	235.3333	\$235,333	0.23	\$289,460	1.43%
18129	Posey County	200	99	139	146.0000	\$146,000	0.23	\$179,580	0.88%
18131	Pulaski County	200	123	142	155.0000	\$155,000	0.23	\$190,650	0.94%
18133	Putnam County	300	143	138	193.6667	\$193,667	0.23	\$238,210	1.17%
18135	Randolph County	200	108	168	158.6667	\$158,667	0.23	\$195,160	0.96%
18137	Ripley County	200	123	98	140.3333	\$140,333	0.23	\$172,610	0.85%
18139	Rush County	200	101	163	154.6667	\$154,667	0.23	\$190,240	0.94%
18141	St. Joseph County	500	90	98	229.3333	\$229,333	0.23	\$282,080	1.39%
18143	Scott County	200	122	153	158.3333	\$158,333	0.23	\$194,750	0.96%
18145	Shelby County	300	134	120	184.6667	\$184,667	0.23	\$227,140	1.12%
18147	Spencer County	200	89	133	140.6667	\$140,667	0.23	\$173,020	0.85%
18149	Starke County	200	119	249	189.3333	\$189,333	0.23	\$232,880	1.15%

A	B	C	D	E	F	G	H	I	J
FIPS	County, State	Service Index	Worker Disability Index	Economic Distress Index	FORMULA RESULT	TOTAL FORMULA FUNDING (2000 \$)	DATA ENTRY Inflation since 2000 <i>US Dept. of Labor</i> Current Year:	TOTAL FORMULA FUNDING (Current \$)	Percent of State Funding Needed by County
		Calculation (worksheet)	Calculation (worksheet)	Calculation (worksheet)	Calculation (Col C + D + E)/3	Calculation (Col F x \$1,000)	2009	Calculation (Col G x Col. H)	Calculation (Col I / State Total)
	<b>Indiana (Statewide)</b>	--	--	--	--	<b>\$16,512,333</b>	<b>0.23</b>	<b>\$20,310,170</b>	--
18151	Steuben County	200	92	107	133.0000	\$133,000	0.23	\$163,590	0.81%
18153	Sullivan County	200	129	186	171.6667	\$171,667	0.23	\$211,150	1.04%
18155	Switzerland County	200	105	182	162.3333	\$162,333	0.23	\$199,670	0.98%
18157	Tippecanoe County	500	69	97	222.0000	\$222,000	0.23	\$273,060	1.34%
18159	Tipton County	200	114	201	171.6667	\$171,667	0.23	\$211,150	1.04%
18161	Union County	200	131	239	190.0000	\$190,000	0.23	\$233,700	1.15%
18163	Vanderburgh County	500	102	75	225.6667	\$225,667	0.23	\$277,570	1.37%
18165	Vermillion County	200	93	168	153.6667	\$153,667	0.23	\$189,010	0.93%
18167	Vigo County	500	104	92	232.0000	\$232,000	0.23	\$285,360	1.41%
18169	Wabash County	200	118	117	145.0000	\$145,000	0.23	\$178,350	0.88%
18171	Warren County	200	106	199	168.3333	\$168,333	0.23	\$207,050	1.02%
18173	Warrick County	300	86	180	188.6667	\$188,667	0.23	\$232,060	1.14%
18175	Washington County	200	111	207	172.6667	\$172,667	0.23	\$212,380	1.05%
18177	Wayne County	400	105	96	200.3333	\$200,333	0.23	\$246,410	1.21%
18179	Wells County	200	74	119	131.0000	\$131,000	0.23	\$161,130	0.79%
18181	White County	200	137	127	154.6667	\$154,667	0.23	\$190,240	0.94%
18183	Whitley County	200	87	122	136.3333	\$136,333	0.23	\$167,690	0.83%

See Sources tab for more information on data sources

See Index tabs for calculations of each Index

A	B	C	D	E	F
FIPS	County, State	<b>DATA ENTRY</b> Population Aged 16 64 <i>Last Census</i>	<b>DATA ENTRY</b> Disabled Population Aged 16 64 <i>Last Census</i>	Ratio Disabled:Total <i>Last Census</i>	<b>DATA ENTRY</b> TOTAL Population Aged 16 64 <i>More Recent ACS Estimates (leave blank if not available)</i>
		<b>Source:</b> Census 2000	<b>Source:</b> Census 2000	Calculation Col D / Col C	<b>Source:</b> ACS 2005 2007
	<b>Indiana (Statewide)</b>	<b>3,884,065</b>	<b>691,505</b>	<b>0.1780</b>	<b>4,961,113</b>
18001	Adams County	19,786	3,068	0.1551	25,351
18003	Allen County	211,030	33,394	0.1582	269,170
18005	Bartholomew County	45,502	7,342	0.1614	57,458
18007	Benton County	5,600	1,040	0.1857	
18009	Blackford County	8,732	1,729	0.1980	
18011	Boone County	28,799	6,474	0.2248	40,153
18013	Brown County	9,956	1,966	0.1975	
18015	Carroll County	12,585	2,180	0.1732	
18017	Cass County	25,174	4,242	0.1685	29,686
18019	Clark County	63,601	12,434	0.1955	82,272
18021	Clay County	16,327	3,042	0.1863	21,237
18023	Clinton County	20,716	5,781	0.2791	25,831
18025	Crawford County	6,882	1,713	0.2489	
18027	Daviess County	17,670	3,626	0.2052	22,903
18029	Dearborn County	29,500	5,179	0.1756	39,120
18031	Decatur County	15,442	2,388	0.1546	19,468
18033	DeKalb County	25,476	4,398	0.1726	32,757
18035	Delaware County	78,833	12,697	0.1611	93,643
18037	Dubois County	24,676	3,607	0.1462	32,677
18039	Elkhart County	114,905	21,077	0.1834	151,724
18041	Fayette County	15,841	3,652	0.2305	19,375
18043	Floyd County	45,627	7,747	0.1698	58,350
18045	Fountain County	11,012	2,256	0.2049	
18047	Franklin County	13,717	2,206	0.1608	18,251
18049	Fulton County	12,612	2,442	0.1936	15,934
18051	Gibson County	20,061	4,112	0.2050	25,761

Source: Indiana Business Research Center, modifying strategy used by the Illinois Network of Centers for Independent Living

A	B	C	D	E	F
FIPS	County, State	<b>DATA ENTRY</b> Population Aged 16 64 <i>Last Census</i>	<b>DATA ENTRY</b> Disabled Population Aged 16 64 <i>Last Census</i>	Ratio Disabled:Total <i>Last Census</i>	<b>DATA ENTRY</b> TOTAL Population Aged 16 64 <i>More Recent ACS Estimates (leave blank if not available)</i>
		<b>Source:</b> Census 2000	<b>Source:</b> Census 2000	Calculation Col D / Col C	<b>Source:</b> ACS 2005 2007
	<b>Indiana (Statewide)</b>	<b>3,884,065</b>	<b>691,505</b>	<b>0.1780</b>	<b>4,961,113</b>
18053	Grant County	46,349	8,912	0.1923	55,918
18055	Greene County	20,764	4,326	0.2083	26,016
18057	Hamilton County	117,234	13,287	0.1133	198,137
18059	Hancock County	35,907	5,844	0.1628	50,793
18061	Harrison County	22,448	3,995	0.1780	29,362
18063	Hendricks County	65,942	11,589	0.1757	102,150
18065	Henry County	30,360	5,867	0.1932	36,107
18067	Howard County	53,910	9,592	0.1779	64,259
18069	Huntington County	23,906	3,826	0.1600	30,302
18071	Jackson County	26,357	5,504	0.2088	33,033
18073	Jasper County	18,916	3,123	0.1651	25,061
18075	Jay County	13,290	2,625	0.1975	16,247
18077	Jefferson County	20,076	4,074	0.2029	26,168
18079	Jennings County	17,678	3,956	0.2238	22,047
18081	Johnson County	74,405	12,792	0.1719	103,224
18083	Knox County	25,355	5,118	0.2019	30,696
18085	Kosciusko County	46,441	7,962	0.1714	59,419
18087	LaGrange County	20,931	3,680	0.1758	27,699
18089	Lake County	305,460	56,869	0.1862	386,471
18091	LaPorte County	65,735	11,449	0.1742	82,369
18093	Lawrence County	29,024	5,808	0.2001	36,440
18095	Madison County	82,462	17,025	0.2065	100,738
18097	Marion County	559,579	109,166	0.1951	686,042
18099	Marshall County	28,090	4,753	0.1692	36,377
18101	Martin County	6,567	1,504	0.2290	
18103	Miami County	21,880	3,794	0.1734	28,602

Source: Indiana Business Research Center, modifying strategy used by the Illinois Network of Centers for Independent Living

A	B	C	D	E	F
FIPS	County, State	<b>DATA ENTRY</b> Population Aged 16 64 <i>Last Census</i>	<b>DATA ENTRY</b> Disabled Population Aged 16 64 <i>Last Census</i>	Ratio Disabled:Total <i>Last Census</i>	<b>DATA ENTRY</b> TOTAL Population Aged 16 64 <i>More Recent ACS Estimates (leave blank if not available)</i>
		<b>Source:</b> Census 2000	<b>Source:</b> Census 2000	Calculation Col D / Col C	<b>Source:</b> ACS 2005 2007
	<b>Indiana (Statewide)</b>	<b>3,884,065</b>	<b>691,505</b>	<b>0.1780</b>	<b>4,961,113</b>
18105	Monroe County	89,803	9,785	0.1090	107,724
18107	Montgomery County	23,556	4,345	0.1845	29,759
18109	Morgan County	43,380	8,554	0.1972	55,752
18111	Newton County	9,266	1,827	0.1972	
18113	Noble County	28,903	4,734	0.1638	37,142
18115	Ohio County	3,626	674	0.1859	
18117	Orange County	11,884	2,582	0.2173	
18119	Owen County	13,865	2,962	0.2136	17,846
18121	Parke County	10,114	1,926	0.1904	
18123	Perry County	11,283	1,866	0.1654	
18125	Pike County	8,138	1,641	0.2016	
18127	Porter County	97,582	13,944	0.1429	128,001
18129	Posey County	17,061	2,940	0.1723	21,383
18131	Pulaski County	8,215	1,714	0.2086	
18133	Putnam County	21,936	4,917	0.2242	27,693
18135	Randolph County	16,829	3,302	0.1962	20,363
18137	Ripley County	16,280	3,520	0.2162	21,414
18139	Rush County	11,168	2,025	0.1813	
18141	St. Joseph County	167,905	27,109	0.1615	209,873
18143	Scott County	15,000	3,505	0.2337	18,750
18145	Shelby County	27,693	6,048	0.2184	34,587
18147	Spencer County	12,918	2,193	0.1698	16,260
18149	Starke County	14,658	3,097	0.2113	18,473
18151	Steuben County	21,579	3,280	0.1520	26,877
18153	Sullivan County	12,244	2,744	0.2241	16,163
18155	Switzerland County	5,800	1,128	0.1945	

A	B	C	D	E	F
FIPS	County, State	<b>DATA ENTRY</b> Population Aged 16 64 <i>Last Census</i>	<b>DATA ENTRY</b> Disabled Population Aged 16 64 <i>Last Census</i>	Ratio Disabled:Total <i>Last Census</i>	<b>DATA ENTRY</b> TOTAL Population Aged 16 64 <i>More Recent ACS Estimates</i> <i>(leave blank if not available)</i>
		<b>Source:</b> Census 2000	<b>Source:</b> Census 2000	Calculation Col D / Col C	<b>Source:</b> ACS 2005 2007
	<b>Indiana (Statewide)</b>	<b>3,884,065</b>	<b>691,505</b>	<b>0.1780</b>	<b>4,961,113</b>
18157	Tippecanoe County	107,161	13,589	0.1268	132,754
18159	Tipton County	10,539	1,783	0.1692	
18161	Union County	4,550	984	0.2163	
18163	Vanderburgh County	109,623	20,327	0.1854	136,836
18165	Vermillion County	10,563	1,916	0.1814	
18167	Vigo County	67,054	12,566	0.1874	84,200
18169	Wabash County	21,700	4,105	0.1892	25,828
18171	Warren County	5,284	975	0.1845	
18173	Warrick County	34,175	5,529	0.1618	44,873
18175	Washington County	17,468	3,465	0.1984	22,276
18177	Wayne County	44,210	8,797	0.1990	53,965
18179	Wells County	16,970	2,390	0.1408	21,760
18181	White County	15,702	3,487	0.2221	18,673
18183	Whitley County	19,252	2,998	0.1557	25,713
See Sources Tab for more information on data sources		* Where More Recent ACS Estimates for the Total Population Aged 16 64 (Column F) are not available, the Most Current Estimated Disabled Population (Column H) is determined as follows: Column E x Column C x Statewide Value of Column G			

A	B	G	H	I	J	K
FIPS	County, State	Ratio TOTAL Population (Ages 16 64) between <i>Last Census</i> and <i>More Recent ACS Estimates</i>	<i>Most Current</i> Estimated Disabled Population (Ages 16 64)	Coefficient	Multiplier	Service Index
		Calculation	Calculation <sup>a</sup>	Calculation <sup>b</sup>	Constant	Calculation
		Col F / Col C	Col E x Col F	by threshold		Column I x Column J
	<b>Indiana (Statewide)</b>	<b>1.2773</b>	883,259			
18001	Adams County	1.2813	3,931	2	100	200
18003	Allen County	1.2755	42,594	6	100	600
18005	Bartholomew County	1.2628	9,271	3	100	300
18007	Benton County		1,328	2	100	200
18009	Blackford County		2,208	2	100	200
18011	Boone County	1.3942	9,026	3	100	300
18013	Brown County		2,511	2	100	200
18015	Carroll County		2,785	2	100	200
18017	Cass County	1.1792	5,002	3	100	300
18019	Clark County	1.2936	16,084	5	100	500
18021	Clay County	1.3007	3,957	2	100	200
18023	Clinton County	1.2469	7,208	3	100	300
18025	Crawford County		2,188	2	100	200
18027	Daviess County	1.2962	4,700	2	100	200
18029	Dearborn County	1.3261	6,868	3	100	300
18031	Decatur County	1.2607	3,011	2	100	200
18033	DeKalb County	1.2858	5,655	3	100	300
18035	Delaware County	1.1879	15,082	5	100	500
18037	Dubois County	1.3242	4,777	2	100	200
18039	Elkhart County	1.3204	27,831	5	100	500
18041	Fayette County	1.2231	4,467	2	100	200
18043	Floyd County	1.2788	9,907	3	100	300
18045	Fountain County		2,882	2	100	200
18047	Franklin County	1.3305	2,935	2	100	200
18049	Fulton County	1.2634	3,085	2	100	200
18051	Gibson County	1.2841	5,280	3	100	300

Source: Indiana Business Research Center, modifying strategy used by the Illinois Network of Centers for Independent Living

A	B	G	H	I	J	K
FIPS	County, State	Ratio TOTAL Population (Ages 16 64) between <i>Last Census</i> and <i>More Recent ACS Estimates</i>	<i>Most Current</i> Estimated Disabled Population (Ages 16 64)	Coefficient	Multiplier	Service Index
		Calculation	Calculation <sup>a</sup>	Calculation <sup>b</sup>	Constant	Calculation
		Col F / Col C	Col E x Col F	by threshold		Column I x Column J
	<b>Indiana (Statewide)</b>	<b>1.2773</b>	883,259			
18053	Grant County	1.2065	10,752	4	100	400
18055	Greene County	1.2529	5,420	3	100	300
18057	Hamilton County	1.6901	22,456	5	100	500
18059	Hancock County	1.4146	8,267	3	100	300
18061	Harrison County	1.3080	5,225	3	100	300
18063	Hendricks County	1.5491	17,952	5	100	500
18065	Henry County	1.1893	6,978	3	100	300
18067	Howard County	1.1920	11,433	4	100	400
18069	Huntington County	1.2675	4,850	2	100	200
18071	Jackson County	1.2533	6,898	3	100	300
18073	Jasper County	1.3249	4,138	2	100	200
18075	Jay County	1.2225	3,209	2	100	200
18077	Jefferson County	1.3034	5,310	3	100	300
18079	Jennings County	1.2471	4,934	2	100	200
18081	Johnson County	1.3873	17,747	5	100	500
18083	Knox County	1.2106	6,196	3	100	300
18085	Kosciusko County	1.2795	10,187	4	100	400
18087	LaGrange County	1.3233	4,870	2	100	200
18089	Lake County	1.2652	71,951	7	100	700
18091	LaPorte County	1.2530	14,346	4	100	400
18093	Lawrence County	1.2555	7,292	3	100	300
18095	Madison County	1.2216	20,798	5	100	500
18097	Marion County	1.2260	133,837	8	100	800
18099	Marshall County	1.2950	6,155	3	100	300
18101	Martin County		1,921	2	100	200
18103	Miami County	1.3072	4,960	2	100	200

A	B	G	H	I	J	K
FIPS	County, State	Ratio TOTAL Population (Ages 16 64) between <i>Last Census</i> and <i>More Recent ACS Estimates</i>	<i>Most Current</i> Estimated Disabled Population (Ages 16 64)	Coefficient	Multiplier	Service Index
		Calculation	Calculation <sup>a</sup>	Calculation <sup>b</sup>	Constant	Calculation
		Col F / Col C	Col E x Col F	by threshold		Column I x Column J
	<b>Indiana (Statewide)</b>	<b>1.2773</b>	883,259			
18105	Monroe County	1.1996	11,738	4	100	400
18107	Montgomery County	1.2633	5,489	3	100	300
18109	Morgan County	1.2852	10,994	4	100	400
18111	Newton County		2,334	2	100	200
18113	Noble County	1.2851	6,083	3	100	300
18115	Ohio County		861	1	100	100
18117	Orange County		3,298	2	100	200
18119	Owen County	1.2871	3,812	2	100	200
18121	Parke County		2,460	2	100	200
18123	Perry County		2,383	2	100	200
18125	Pike County		2,096	2	100	200
18127	Porter County	1.3117	18,291	5	100	500
18129	Posey County	1.2533	3,685	2	100	200
18131	Pulaski County		2,189	2	100	200
18133	Putnam County	1.2624	6,207	3	100	300
18135	Randolph County	1.2100	3,995	2	100	200
18137	Ripley County	1.3154	4,630	2	100	200
18139	Rush County		2,587	2	100	200
18141	St. Joseph County	1.2500	33,885	5	100	500
18143	Scott County	1.2500	4,381	2	100	200
18145	Shelby County	1.2489	7,554	3	100	300
18147	Spencer County	1.2587	2,760	2	100	200
18149	Starke County	1.2603	3,903	2	100	200
18151	Steuben County	1.2455	4,085	2	100	200
18153	Sullivan County	1.3201	3,622	2	100	200
18155	Switzerland County		1,441	2	100	200

A	B	G	H	I	J	K
FIPS	County, State	Ratio TOTAL Population (Ages 16 64) between <i>Last Census</i> and <i>More Recent ACS Estimates</i>	<i>Most Current</i> Estimated Disabled Population (Ages 16 64)	Coefficient	Multiplier	Service Index
		Calculation Col F / Col C	Calculation <sup>a</sup> Col E x Col F	Calculation <sup>b</sup> by threshold	Constant	Calculation Column I x Column J
	<b>Indiana (Statewide)</b>	<b>1.2773</b>	883,259			
18157	Tiptecanoe County	1.2388	16,834	5	100	500
18159	Tipton County		2,277	2	100	200
18161	Union County		1,257	2	100	200
18163	Vanderburgh County	1.2482	25,373	5	100	500
18165	Vermillion County		2,447	2	100	200
18167	Vigo County	1.2557	15,779	5	100	500
18169	Wabash County	1.1902	4,886	2	100	200
18171	Warren County		1,245	2	100	200
18173	Warrick County	1.3130	7,260	3	100	300
18175	Washington County	1.2752	4,419	2	100	200
18177	Wayne County	1.2207	10,738	4	100	400
18179	Wells County	1.2823	3,065	2	100	200
18181	White County	1.1892	4,147	2	100	200
18183	Whitley County	1.3356	4,004	2	100	200
See Sources Tab for more information on data sources		<sup>a</sup> Where More Recent ACS Estimates for the Total Population Aged 16 64 (Column F) are not available, the Most Current Estimated Disabled Population (Column H) is determined as follows: Column E x Column C x Statewide Value of Column G		<sup>b</sup> This coefficient is assigned based on the number of disabled persons within the county: 1 denotes "0 999 disabled persons"; 2, "1,000 4,999"; 3, "5,000 9,999"; 4, "10,000 14,999"; 5, "15,000 39,999"; 6, "40,000 69,999"; 7, "70,000 99,999"; 8, "100,000 149,999"; 9, "150,000 199,999"; 10, "200,000 or more."		

A	B	C	D	E	F	G
FIPS	County, State	<b>DATA ENTRY</b> TOTAL Population Aged 21 64 <i>Last Census</i>	<b>DATA ENTRY</b> Population with Work Disability Aged 21 64 <i>Last Census</i>	Percentage with Work Disability <i>Last Census</i>	County Percentage with Work Disability divided by State Percentage with Work Disability	<b>Worker Disability Index</b>
		Source:	Source:	Calculation	Calculation	Calculation
		Census 2000	Census 2000	Col D / Col C	Col E / State Ave.*	Col F x 100
	<b>Indiana (Statewide)</b>	<b>3,434,336</b>	<b>408,534</b>	<b>0.1190</b>	--	
18001	Adams County	17,144	1,734	0.1011	0.8503	85
18003	Allen County	187,314	19,392	0.1035	0.8703	87
18005	Bartholomew County	41,352	4,256	0.1029	0.8652	87
18007	Benton County	4,987	666	0.1335	1.1227	112
18009	Blackford County	7,915	1,048	0.1324	1.1131	111
18011	Boone County	26,080	4,876	0.1870	1.5717	157
18013	Brown County	9,007	1,115	0.1238	1.0407	104
18015	Carroll County	11,338	1,432	0.1263	1.0617	106
18017	Cass County	22,426	2,479	0.1105	0.9293	93
18019	Clark County	57,244	7,198	0.1257	1.0571	106
18021	Clay County	14,478	1,862	0.1286	1.0811	108
18023	Clinton County	18,282	4,026	0.2202	1.8512	185
18025	Crawford County	6,196	1,058	0.1708	1.4355	144
18027	Daviess County	15,639	2,111	0.1350	1.1347	113
18029	Dearborn County	26,184	3,056	0.1167	0.9811	98
18031	Decatur County	13,969	1,349	0.0966	0.8118	81
18033	DeKalb County	22,786	2,765	0.1213	1.0201	102
18035	Delaware County	66,919	6,455	0.0965	0.8109	81
18037	Dubois County	22,133	2,366	0.1069	0.8986	90
18039	Elkhart County	101,985	12,935	0.1268	1.0662	107
18041	Fayette County	14,364	2,306	0.1605	1.3496	135
18043	Floyd County	40,917	4,386	0.1072	0.9011	90
18045	Fountain County	9,728	1,406	0.1445	1.2150	122
18047	Franklin County	12,162	1,218	0.1001	0.8419	84
18049	Fulton County	11,304	1,449	0.1282	1.0776	108

Source: Indiana Business Research Center, modifying strategy used by the Illinois Network of Centers for Independent Living

A	B	C	D	E	F	G
FIPS	County, State	<b>DATA ENTRY</b> TOTAL Population Aged 21 64 <i>Last Census</i>	<b>DATA ENTRY</b> Population with Work Disability Aged 21 64 <i>Last Census</i>	Percentage with Work Disability <i>Last Census</i>	County Percentage with Work Disability divided by State Percentage with Work Disability	<b>Worker Disability Index</b>
		Source:	Source:	Calculation	Calculation	Calculation
		Census 2000	Census 2000	Col D / Col C	Col E / State Ave.*	Col F x 100
	<b>Indiana (Statewide)</b>	<b>3,434,336</b>	<b>408,534</b>	<b>0.1190</b>	--	
18051	Gibson County	17,923	2,680	0.1495	1.2570	126
18053	Grant County	40,032	4,935	0.1233	1.0363	104
18055	Greene County	18,617	2,523	0.1355	1.1393	114
18057	Hamilton County	107,930	8,144	0.0755	0.6343	63
18059	Hancock County	32,650	3,497	0.1071	0.9004	90
18061	Harrison County	19,920	2,333	0.1171	0.9846	98
18063	Hendricks County	59,844	7,840	0.1310	1.1013	110
18065	Henry County	27,448	3,385	0.1233	1.0367	104
18067	Howard County	48,548	5,000	0.1030	0.8658	87
18069	Huntington County	20,891	2,501	0.1197	1.0064	101
18071	Jackson County	23,718	3,495	0.1474	1.2388	124
18073	Jasper County	16,542	1,898	0.1147	0.9645	96
18075	Jay County	11,918	1,558	0.1307	1.0990	110
18077	Jefferson County	17,439	2,392	0.1372	1.1531	115
18079	Jennings County	15,958	2,329	0.1459	1.2269	123
18081	Johnson County	66,534	7,843	0.1179	0.9910	99
18083	Knox County	20,789	2,874	0.1382	1.1622	116
18085	Kosciusko County	41,465	4,761	0.1148	0.9652	97
18087	LaGrange County	18,037	2,097	0.1163	0.9773	98
18089	Lake County	270,619	33,035	0.1221	1.0262	103
18091	LaPorte County	58,819	6,809	0.1158	0.9732	97
18093	Lawrence County	26,303	3,466	0.1318	1.1077	111
18095	Madison County	73,480	9,815	0.1336	1.1229	112
18097	Marion County	503,659	65,666	0.1304	1.0960	110
18099	Marshall County	24,614	2,735	0.1111	0.9341	93

Source: Indiana Business Research Center, modifying strategy used by the Illinois Network of Centers for Independent Living

A	B	C	D	E	F	G
FIPS	County, State	<b>DATA ENTRY</b> TOTAL Population Aged 21 64 <i>Last Census</i>	<b>DATA ENTRY</b> Population with Work Disability Aged 21 64 <i>Last Census</i>	Percentage with Work Disability <i>Last Census</i>	County Percentage with Work Disability divided by State Percentage with Work Disability	<b>Worker Disability Index</b>
		Source:	Source:	Calculation	Calculation	Calculation
		Census 2000	Census 2000	Col D / Col C	Col E / State Ave.*	Col F x 100
	<b>Indiana (Statewide)</b>	<b>3,434,336</b>	<b>408,534</b>	<b>0.1190</b>	--	
18101	Martin County	5,861	908	0.1549	1.3024	130
18103	Miami County	19,598	2,063	0.1053	0.8849	88
18105	Monroe County	70,552	4,649	0.0659	0.5539	55
18107	Montgomery County	20,916	2,573	0.1230	1.0341	103
18109	Morgan County	38,847	5,193	0.1337	1.1238	112
18111	Newton County	8,178	1,094	0.1338	1.1246	112
18113	Noble County	25,633	2,960	0.1155	0.9707	97
18115	Ohio County	3,275	373	0.1139	0.9574	96
18117	Orange County	10,709	1,640	0.1531	1.2874	129
18119	Owen County	12,318	1,812	0.1471	1.2366	124
18121	Parke County	9,055	1,074	0.1186	0.9971	100
18123	Perry County	10,087	1,079	0.1070	0.8992	90
18125	Pike County	7,306	914	0.1251	1.0517	105
18127	Porter County	85,943	8,101	0.0943	0.7924	79
18129	Posey County	15,222	1,794	0.1179	0.9908	99
18131	Pulaski County	7,307	1,072	0.1467	1.2333	123
18133	Putnam County	18,827	3,199	0.1699	1.4284	143
18135	Randolph County	15,150	1,954	0.1290	1.0842	108
18137	Ripley County	14,523	2,132	0.1468	1.2341	123
18139	Rush County	10,032	1,205	0.1201	1.0098	101
18141	St. Joseph County	145,343	15,532	0.1069	0.8984	90
18143	Scott County	13,469	1,950	0.1448	1.2171	122
18145	Shelby County	24,910	3,974	0.1595	1.3411	134
18147	Spencer County	11,557	1,218	0.1054	0.8860	89
18149	Starke County	13,076	1,849	0.1414	1.1887	119

Source: Indiana Business Research Center, modifying strategy used by the Illinois Network of Centers for Independent Living

A	B	C	D	E	F	G
FIPS	County, State	<b>DATA ENTRY</b> TOTAL Population Aged 21 64 <i>Last Census</i>	<b>DATA ENTRY</b> Population with Work Disability Aged 21 64 <i>Last Census</i>	Percentage with Work Disability <i>Last Census</i>	County Percentage with Work Disability divided by State Percentage with Work Disability	<b>Worker Disability Index</b>
		Source:	Source:	Calculation	Calculation	Calculation
		Census 2000	Census 2000	Col D / Col C	Col E / State Ave.*	Col F x 100
	<b>Indiana (Statewide)</b>	<b>3,434,336</b>	<b>408,534</b>	<b>0.1190</b>	--	
18151	Steuben County	18,890	2,076	0.1099	0.9239	92
18153	Sullivan County	10,967	1,683	0.1535	1.2901	129
18155	Switzerland County	5,213	653	0.1253	1.0530	105
18157	Tippecanoe County	85,016	6,991	0.0822	0.6913	69
18159	Tipton County	9,420	1,283	0.1362	1.1450	114
18161	Union County	4,119	643	0.1561	1.3123	131
18163	Vanderburgh County	95,537	11,570	0.1211	1.0181	102
18165	Vermillion County	9,413	1,037	0.1102	0.9261	93
18167	Vigo County	57,031	7,022	0.1231	1.0351	104
18169	Wabash County	18,835	2,644	0.1404	1.1801	118
18171	Warren County	4,821	606	0.1257	1.0567	106
18173	Warrick County	30,771	3,131	0.1018	0.8554	86
18175	Washington County	15,582	2,054	0.1318	1.1081	111
18177	Wayne County	39,072	4,865	0.1245	1.0467	105
18179	Wells County	14,948	1,310	0.0876	0.7367	74
18181	White County	14,164	2,310	0.1631	1.3710	137
18183	Whitley County	17,293	1,789	0.1035	0.8697	87
See Sources Tab for more information on data sources		*Due to the rounding of decimal places, the figures in Column F may appear to be different than the figures in Column E divided by the State Average				

A	B	C	D	E	F	G
FIPS	County, State	DATA ENTRY Total Population Last Census	DATA ENTRY Total Population More Recent ACS (leave blank if not available)	Ratio of Total Population between Last Census and More Recent ACS	DATA ENTRY Total Employment Current QCEW	DATA ENTRY Total Agriculture Employment Current QCEW
		Source: Census 2000	Source: ACS 2005 2007	Calculation Col D / Col C	Source: QCEW 2007	Source: QCEW 2007
18	<b>Indiana (Statewide)</b>	<b>6,080,485</b>	<b>6,301,687</b>	<b>1.04</b>	<b>2,905,725</b>	<b>12,514</b>
18001	Adams County	33,625	33,659	1.00	14,066	0
18003	Allen County	331,849	346,248	1.04	183,025	154
18005	Bartholomew County	71,435	73,987	1.04	43,736	75
18007	Benton County	9,421			2,426	56
18009	Blackford County	14,048			3,910	0
18011	Boone County	46,107	52,838	1.15	18,511	0
18013	Brown County	14,957			3,186	0
18015	Carroll County	20,165			5,462	0
18017	Cass County	40,930	39,483	0.96	15,492	0
18019	Clark County	96,472	103,411	1.07	47,551	82
18021	Clay County	26,556	26,745	1.01	7,240	0
18023	Clinton County	33,866	33,757	1.00	11,178	170
18025	Crawford County	10,743			2,121	0
18027	Daviess County	29,820	29,997	1.01	11,221	109
18029	Dearborn County	46,109	49,205	1.07	14,718	0
18031	Decatur County	24,555	25,007	1.02	12,149	0
18033	DeKalb County	40,285	41,585	1.03	20,203	0
18035	Delaware County	118,769	115,939	0.98	48,085	0
18037	Dubois County	39,674	41,013	1.03	28,550	0
18039	Elkhart County	182,791	195,987	1.07	124,722	164
18041	Fayette County	25,588	24,420	0.95	7,746	0
18043	Floyd County	70,823	72,426	1.02	29,153	0
18045	Fountain County	17,954			5,748	73
18047	Franklin County	22,151	23,082	1.04	4,435	0
18049	Fulton County	20,511	20,290	0.99	6,866	0
18051	Gibson County	32,500	32,890	1.01	16,113	131
18053	Grant County	73,403	69,470	0.95	26,859	0
18055	Greene County	33,157	32,896	0.99	7,456	0
18057	Hamilton County	182,740	251,873	1.38	109,943	701
18059	Hancock County	55,391	64,436	1.16	19,442	71
18061	Harrison County	34,325	36,632	1.07	11,569	49
18063	Hendricks County	104,093	130,455	1.25	45,586	0

Source: Indiana Business Research Center, modifying strategy used by the Illinois Network of Centers for Independent Living

A	B	C	D	E	F	G
FIPS	County, State	DATA ENTRY Total Population Last Census	DATA ENTRY Total Population More Recent ACS (leave blank if not available)	Ratio of Total Population between Last Census and More Recent ACS	DATA ENTRY Total Employment Current QCEW	DATA ENTRY Total Agriculture Employment Current QCEW
		Source: Census 2000	Source: ACS 2005 2007	Calculation Col D / Col C	Source: QCEW 2007	Source: QCEW 2007
18	<b>Indiana (Statewide)</b>	<b>6,080,485</b>	<b>6,301,687</b>	<b>1.04</b>	<b>2,905,725</b>	<b>12,514</b>
18065	Henry County	48,508	47,331	0.98	13,286	0
18067	Howard County	84,964	84,015	0.99	40,177	0
18069	Huntington County	38,075	37,875	0.99	15,093	0
18071	Jackson County	41,335	42,057	1.02	20,266	0
18073	Jasper County	30,043	31,808	1.06	12,510	0
18075	Jay County	21,806	21,460	0.98	8,111	0
18077	Jefferson County	31,705	32,617	1.03	13,060	31
18079	Jennings County	27,554	28,051	1.02	7,925	0
18081	Johnson County	115,209	132,592	1.15	43,138	0
18083	Knox County	39,256	38,053	0.97	16,712	390
18085	Kosciusko County	74,057	75,796	1.02	35,219	0
18087	LaGrange County	34,909	36,691	1.05	12,363	0
18089	Lake County	484,564	490,093	1.01	194,688	146
18091	LaPorte County	110,106	109,440	0.99	44,822	215
18093	Lawrence County	45,922	45,969	1.00	14,006	40
18095	Madison County	133,358	131,085	0.98	39,351	0
18097	Marion County	860,454	872,842	1.01	579,922	452
18099	Marshall County	45,128	46,577	1.03	19,036	0
18101	Martin County	10,369			6,865	0
18103	Miami County	36,082	36,802	1.02	10,310	104
18105	Monroe County	120,563	127,126	1.05	62,274	78
18107	Montgomery County	37,629	37,817	1.00	16,262	156
18109	Morgan County	66,689	69,561	1.04	15,140	50
18111	Newton County	14,566			4,214	0
18113	Noble County	46,275	47,449	1.03	18,942	115
18115	Ohio County	5,623			1,680	0
18117	Orange County	19,306			7,715	68
18119	Owen County	21,786	22,368	1.03	4,987	0
18121	Parke County	17,241			3,469	0
18123	Perry County	18,899			6,365	0
18125	Pike County	12,837			3,054	0
18127	Porter County	146,798	158,169	1.08	57,283	0

Source: Indiana Business Research Center, modifying strategy used by the Illinois Network of Centers for Independent Living

A	B	C	D	E	F	G
FIPS	County, State	DATA ENTRY Total Population Last Census	DATA ENTRY Total Population More Recent ACS (leave blank if not available)	Ratio of Total Population between Last Census and More Recent ACS	DATA ENTRY Total Employment Current QCEW	DATA ENTRY Total Agriculture Employment Current QCEW
		Source: Census 2000	Source: ACS 2005 2007	Calculation Col D / Col C	Source: QCEW 2007	Source: QCEW 2007
18	<b>Indiana (Statewide)</b>	<b>6,080,485</b>	<b>6,301,687</b>	<b>1.04</b>	<b>2,905,725</b>	<b>12,514</b>
18129	Posey County	27,061	26,385	0.98	8,774	50
18131	Pulaski County	13,755			4,601	0
18133	Putnam County	36,019	36,914	1.02	12,361	45
18135	Randolph County	27,401	26,072	0.95	7,133	0
18137	Ripley County	26,523	27,363	1.03	12,844	0
18139	Rush County	18,261			5,344	0
18141	St. Joseph County	265,559	265,507	1.00	123,934	154
18143	Scott County	22,960	23,639	1.03	7,097	0
18145	Shelby County	43,445	43,759	1.01	16,880	125
18147	Spencer County	20,391	20,325	1.00	7,084	65
18149	Starke County	23,556	23,496	1.00	4,334	0
18151	Steuben County	33,214	33,523	1.01	14,500	72
18153	Sullivan County	21,751	21,424	0.98	5,374	79
18155	Switzerland County	9,065			2,369	0
18157	Tippecanoe County	148,955	160,369	1.08	76,194	0
18159	Tipton County	16,577			4,302	380
18161	Union County	7,349			1,461	0
18163	Vanderburgh County	171,922	173,942	1.01	106,937	104
18165	Vermillion County	16,788			4,761	0
18167	Vigo County	105,848	104,792	0.99	52,143	43
18169	Wabash County	34,960	33,246	0.95	13,347	352
18171	Warren County	8,419			2,016	0
18173	Warrick County	52,383	56,305	1.07	14,429	44
18175	Washington County	27,223	27,799	1.02	6,159	0
18177	Wayne County	71,097	68,571	0.96	32,914	146
18179	Wells County	27,600	27,867	1.01	10,777	0
18181	White County	25,267	23,976	0.95	8,668	0
18183	Whitley County	30,707	32,354	1.05	12,327	108
See Sources Tab for more information on data sources		* Total population estimates (Column H) are made only where more recent ACS estimates are not available. In these cases, the calculation is Column C x Indiana Statewide Ratio (Col E)				

A	B	H	I	J	K	L	M	N	O
FIPS	County, State	Most Current Estimates for Total Population	Current Estimates for Total Non Agricultural Employment	Land Area in Sq. Miles <i>Last Census</i>	Population per Sq. Mile <i>Last Census</i>	Employment per Sq. Mile <i>Last Census</i>	Job Density	Job Density Ratio to State	Economic Distress Index
		Calculation*	Calculation	Constant	Calculation	Calculation	Calculation	Calculation	Calculation
			Col F Col G		Col H / Col J	Col I / Col J	Col L / Col K	Col M / State Ave.	100 / Col N
18	<b>Indiana (Statewide)</b>	<b>6,301,687</b>	<b>2,893,211</b>	<b>35,866.90</b>	<b>175.70</b>	<b>80.67</b>	<b>0.4591</b>		
18001	Adams County	33,659	14,066	339.36	99.18	41.45	0.4179	0.9102	110
18003	Allen County	346,248	182,871	657.25	526.81	278.24	0.5282	1.1504	87
18005	Bartholomew County	73,987	43,661	406.84	181.86	107.32	0.5901	1.2853	78
18007	Benton County	9,764	2,371	406.31	24.03	5.83	0.2428	0.5288	189
18009	Blackford County	14,559	3,910	165.10	88.18	23.68	0.2685	0.5849	171
18011	Boone County	52,838	18,511	422.85	124.96	43.78	0.3503	0.7631	131
18013	Brown County	15,501	3,186	312.26	49.64	10.20	0.2055	0.4476	223
18015	Carroll County	20,899	5,462	372.26	56.14	14.67	0.2614	0.5693	176
18017	Cass County	39,483	15,492	412.87	95.63	37.52	0.3924	0.8546	117
18019	Clark County	103,411	47,469	375.04	275.73	126.57	0.4590	0.9998	100
18021	Clay County	26,745	7,240	357.62	74.79	20.24	0.2707	0.5896	170
18023	Clinton County	33,757	11,007	405.10	83.33	27.17	0.3261	0.7102	141
18025	Crawford County	11,134	2,121	305.68	36.42	6.94	0.1905	0.4149	241
18027	Daviess County	29,997	11,112	430.66	69.65	25.80	0.3704	0.8069	124
18029	Dearborn County	49,205	14,718	305.21	161.22	48.22	0.2991	0.6515	153
18031	Decatur County	25,007	12,149	372.60	67.11	32.60	0.4858	1.0581	95
18033	DeKalb County	41,585	20,203	362.88	114.60	55.68	0.4858	1.0582	95
18035	Delaware County	115,939	48,085	393.29	294.79	122.26	0.4147	0.9033	111
18037	Dubois County	41,013	28,550	430.09	95.36	66.38	0.6961	1.5162	66
18039	Elkhart County	195,987	124,558	463.81	422.56	268.55	0.6355	1.3843	72
18041	Fayette County	24,420	7,746	214.96	113.60	36.04	0.3172	0.6909	145
18043	Floyd County	72,426	29,153	148.00	489.36	196.98	0.4025	0.8767	114
18045	Fountain County	18,607	5,675	395.69	47.02	14.34	0.3050	0.6643	151
18047	Franklin County	23,082	4,435	386.00	59.80	11.49	0.1921	0.4185	239
18049	Fulton County	20,290	6,866	368.51	55.06	18.63	0.3384	0.7371	136
18051	Gibson County	32,890	15,982	488.78	67.29	32.70	0.4859	1.0584	94
18053	Grant County	69,470	26,859	414.03	167.79	64.87	0.3866	0.8421	119
18055	Greene County	32,896	7,456	541.73	60.72	13.76	0.2267	0.4937	203
18057	Hamilton County	251,873	109,242	397.94	632.94	274.52	0.4337	0.9447	106
18059	Hancock County	64,436	19,370	306.12	210.49	63.28	0.3006	0.6548	153
18061	Harrison County	36,632	11,520	485.22	75.50	23.74	0.3145	0.6850	146
18063	Hendricks County	130,455	45,586	408.39	319.44	111.62	0.3494	0.7611	131

Source: Indiana Business Research Center, modifying strategy used by the Illinois Network of Centers for Independent Living

A	B	H	I	J	K	L	M	N	O
FIPS	County, State	Most Current Estimates for Total Population	Current Estimates for Total Non Agricultural Employment	Land Area in Sq. Miles <i>Last Census</i>	Population per Sq. Mile <i>Last Census</i>	Employment per Sq. Mile <i>Last Census</i>	Job Density	Job Density Ratio to State	Economic Distress Index
		Calculation*	Calculation	Constant	Calculation	Calculation	Calculation	Calculation	Calculation
			Col F Col G		Col H / Col J	Col I / Col J	Col L / Col K	Col M / State Ave.	100 / Col N
18	<b>Indiana (Statewide)</b>	<b>6,301,687</b>	<b>2,893,211</b>	<b>35,866.90</b>	<b>175.70</b>	<b>80.67</b>	<b>0.4591</b>		
18065	Henry County	47,331	13,286	392.93	120.46	33.81	0.2807	0.6114	164
18067	Howard County	84,015	40,177	293.07	286.67	137.09	0.4782	1.0416	96
18069	Huntington County	37,875	15,093	382.59	99.00	39.45	0.3985	0.8679	115
18071	Jackson County	42,057	20,266	509.31	82.58	39.79	0.4819	1.0496	95
18073	Jasper County	31,808	12,510	559.87	56.81	22.34	0.3933	0.8567	117
18075	Jay County	21,460	8,111	383.64	55.94	21.14	0.3779	0.8232	121
18077	Jefferson County	32,617	13,029	361.37	90.26	36.05	0.3995	0.8700	115
18079	Jennings County	28,051	7,925	377.22	74.36	21.01	0.2825	0.6153	163
18081	Johnson County	132,592	43,138	320.19	414.10	134.73	0.3253	0.7086	141
18083	Knox County	38,053	16,322	515.83	73.77	31.64	0.4289	0.9343	107
18085	Kosciusko County	75,796	35,219	537.50	141.02	65.52	0.4647	1.0121	99
18087	LaGrange County	36,691	12,363	379.56	96.67	32.57	0.3370	0.7339	136
18089	Lake County	490,093	194,542	496.98	986.14	391.45	0.3969	0.8646	116
18091	LaPorte County	109,440	44,607	598.24	182.94	74.56	0.4076	0.8878	113
18093	Lawrence County	45,969	13,966	448.83	102.42	31.12	0.3038	0.6617	151
18095	Madison County	131,085	39,351	452.13	289.93	87.04	0.3002	0.6539	153
18097	Marion County	872,842	579,470	396.25	2,202.76	1,462.39	0.6639	1.4460	69
18099	Marshall County	46,577	19,036	444.27	104.84	42.85	0.4087	0.8902	112
18101	Martin County	10,746	6,865	336.14	31.97	20.42	0.6388	1.3914	72
18103	Miami County	36,802	10,206	375.62	97.98	27.17	0.2773	0.6041	166
18105	Monroe County	127,126	62,195	394.35	322.37	157.72	0.4892	1.0656	94
18107	Montgomery County	37,817	16,107	504.51	74.96	31.93	0.4259	0.9277	108
18109	Morgan County	69,561	15,090	406.47	171.13	37.12	0.2169	0.4725	212
18111	Newton County	15,096	4,214	401.85	37.57	10.49	0.2791	0.6079	164
18113	Noble County	47,449	18,827	411.11	115.42	45.80	0.3968	0.8642	116
18115	Ohio County	5,828	1,680	86.72	67.20	19.38	0.2883	0.6280	159
18117	Orange County	20,008	7,647	399.52	50.08	19.14	0.3822	0.8324	120
18119	Owen County	22,368	4,987	385.18	58.07	12.95	0.2230	0.4856	206
18121	Parke County	17,868	3,469	444.77	40.17	7.80	0.1942	0.4229	236
18123	Perry County	19,587	6,365	381.39	51.36	16.69	0.3250	0.7078	141
18125	Pike County	13,304	3,054	336.18	39.57	9.08	0.2295	0.5000	200
18127	Porter County	158,169	57,283	418.11	378.30	137.01	0.3622	0.7888	127

Source: Indiana Business Research Center, modifying strategy used by the Illinois Network of Centers for Independent Living

A	B	H	I	J	K	L	M	N	O
FIPS	County, State	Most Current Estimates for Total Population	Current Estimates for Total Non Agricultural Employment	Land Area in Sq. Miles <i>Last Census</i>	Population per Sq. Mile <i>Last Census</i>	Employment per Sq. Mile <i>Last Census</i>	Job Density	Job Density Ratio to State	Economic Distress Index
		Calculation*	Calculation	Constant	Calculation	Calculation	Calculation	Calculation	Calculation
			Col F Col G		Col H / Col J	Col I / Col J	Col L / Col K	Col M / State Ave.	100 / Col N
18	<b>Indiana (Statewide)</b>	<b>6,301,687</b>	<b>2,893,211</b>	<b>35,866.90</b>	<b>175.70</b>	<b>80.67</b>	<b>0.4591</b>		
18129	Posey County	26,385	8,725	408.50	64.59	21.36	0.3307	0.7202	139
18131	Pulaski County	14,255	4,601	433.68	32.87	10.61	0.3228	0.7030	142
18133	Putnam County	36,914	12,317	480.31	76.85	25.64	0.3337	0.7267	138
18135	Randolph County	26,072	7,133	452.83	57.58	15.75	0.2736	0.5959	168
18137	Ripley County	27,363	12,844	446.36	61.30	28.78	0.4694	1.0224	98
18139	Rush County	18,925	5,344	408.28	46.35	13.09	0.2824	0.6150	163
18141	St. Joseph County	265,507	123,780	457.34	580.55	270.65	0.4662	1.0154	98
18143	Scott County	23,639	7,097	190.39	124.16	37.27	0.3002	0.6539	153
18145	Shelby County	43,759	16,755	412.64	106.05	40.60	0.3829	0.8340	120
18147	Spencer County	20,325	7,018	398.69	50.98	17.60	0.3453	0.7521	133
18149	Starke County	23,496	4,334	309.31	75.96	14.01	0.1844	0.4017	249
18151	Steuben County	33,523	14,427	308.72	108.59	46.73	0.4304	0.9374	107
18153	Sullivan County	21,424	5,295	447.20	47.91	11.84	0.2472	0.5383	186
18155	Switzerland County	9,395	2,369	221.18	42.48	10.71	0.2522	0.5493	182
18157	Tippecanoe County	160,369	76,194	499.79	320.87	152.45	0.4751	1.0348	97
18159	Tipton County	17,180	3,922	260.39	65.98	15.06	0.2283	0.4972	201
18161	Union County	7,616	1,461	161.55	47.15	9.05	0.1919	0.4179	239
18163	Vanderburgh County	173,942	106,833	234.57	741.54	455.44	0.6142	1.3378	75
18165	Vermillion County	17,399	4,761	256.89	67.73	18.53	0.2736	0.5960	168
18167	Vigo County	104,792	52,100	403.29	259.84	129.19	0.4972	1.0829	92
18169	Wabash County	33,246	12,995	413.17	80.47	31.45	0.3909	0.8513	117
18171	Warren County	8,725	2,016	364.88	23.91	5.53	0.2311	0.5033	199
18173	Warrick County	56,305	14,385	384.07	146.60	37.45	0.2555	0.5565	180
18175	Washington County	27,799	6,159	514.42	54.04	11.97	0.2216	0.4826	207
18177	Wayne County	68,571	32,769	403.57	169.91	81.20	0.4779	1.0409	96
18179	Wells County	27,867	10,777	369.96	75.32	29.13	0.3867	0.8423	119
18181	White County	23,976	8,668	505.24	47.45	17.16	0.3615	0.7875	127
18183	Whitley County	32,354	12,218	335.52	96.43	36.42	0.3776	0.8226	122
See Sources Tab for more information on data sources		* Total population estimates (Column H) are made only where more recent ACS estimates are not available. In these cases, the calculation is Column C x Indiana Statewide Ratio (Col E)							

## Data Sources for Formula Funding Calculations

<u>Indices</u>	<u>Information</u>	<u>Year</u>	<u>Source</u>	<u>Data Item from Source</u>	<u>Web Page (as of April 2009)</u>
Service; Worker Disability	Population Aged 16 64	2000	Census 2000 Summary File 3	P42. Sex by Age by Disability Status by Employment Status for the Civilian Noninstitutionalized Population 5+ Years	<a href="http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=DEC&amp;_submenuId=datasets_1&amp;lang=en">http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=DEC&amp;_submenuId=datasets_1&amp;lang=en</a>
Service	Population Aged 16 64	2005 07*	American Community Survey (ACS)	C18002. Sex by Age by Disability Status for the Civilian Noninstitutionalized Population 5 Years and Over	<a href="http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&amp;_submenuId=datasets_2&amp;lang=en&amp;ts=">http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&amp;_submenuId=datasets_2&amp;lang=en&amp;ts=</a>
Service	Disabled Population Aged 16 64	2000	Census 2000 Summary File 3	P42. Sex by Age by Disability Status by Employment Status for the Civilian Noninstitutionalized Population 5+ Years	<a href="http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=DEC&amp;_submenuId=datasets_1&amp;lang=en">http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=DEC&amp;_submenuId=datasets_1&amp;lang=en</a>
Worker Disability	Population Aged 21 64	2000	Census 2000 Summary File 3	PCT32. Sex By Age By Employment Disability By Employment Status for the Civilian Noninstitutionalized Population 16 to 64 Years [31]	<a href="http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=DEC&amp;_submenuId=datasets_1&amp;lang=en">http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=DEC&amp;_submenuId=datasets_1&amp;lang=en</a>
Worker Disability	Population Aged 21 64 with Work Disability	2000	Census 2000 Summary File 3	PCT32. Sex By Age By Employment Disability By Employment Status for the Civilian Noninstitutionalized Population 16 to 64 Years [31]	<a href="http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=DEC&amp;_submenuId=datasets_1&amp;lang=en">http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=DEC&amp;_submenuId=datasets_1&amp;lang=en</a>
Economic Distress	Total Population	2000	Census 2000 Summary File 1	P1. Total Population	<a href="http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=DEC&amp;_submenuId=datasets_1&amp;lang=en">http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=DEC&amp;_submenuId=datasets_1&amp;lang=en</a>
Economic Distress	Total Population	2005 07*	American Community Survey (ACS)	B01001. Sex By Age Universe: Total Population	<a href="http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&amp;_submenuId=datasets_2&amp;lang=en&amp;ts=">http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&amp;_submenuId=datasets_2&amp;lang=en&amp;ts=</a>
Economic Distress	Total Employment	2007	Indiana Department of Workforce Development Quarterly Census of Employment and Wages	Comparison Table of Annual Average Figures for all Indiana Counties, all Industries	<a href="http://www.hoosierdata.in.gov/dpage.asp?id=25&amp;view_number=2&amp;menu_level=smenu1&amp;panel_number=2">http://www.hoosierdata.in.gov/dpage.asp?id=25&amp;view_number=2&amp;menu_level=smenu1&amp;panel_number=2</a>
Economic Distress	Agricultural Employment	2007	Indiana Department of Workforce Development Quarterly Census of Employment and Wages	Comparison Table of Annual Average Figures for all Indiana Counties, Agriculture, Forestry, Fishing & Hunting Industries	<a href="http://www.hoosierdata.in.gov/dpage.asp?id=25&amp;view_number=2&amp;menu_level=smenu1&amp;panel_number=2">http://www.hoosierdata.in.gov/dpage.asp?id=25&amp;view_number=2&amp;menu_level=smenu1&amp;panel_number=2</a>

**Data Sources for Formula Funding Calculations**

<u>Indices</u>	<u>Information</u>	<u>Year</u>	<u>Source</u>	<u>Data Item from Source</u>	<u>Web Page (as of April 2009)</u>
Economic Distress	Land Area in Square Miles	2000	Census 2000 Summary File 1	GCT PH1. Population, Housing Units, Area, and Density	<a href="http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=DEC&amp;_submenuId=datasets1&amp;lang=en">http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=DEC&amp;_submenuId=datasets1&amp;lang=en</a>
Formula Funding Summary	Inflation	2009	U.S. Department of Labor	Consumer Price Index (CPI) Inflation Calculator	<a href="http://www.bls.gov/data/inflation_calculator.htm">http://www.bls.gov/data/inflation_calculator.htm</a>

NOTE: ACS figures are annualized estimates based on this three year period for 72 out of Indiana's 92 counties. All sources provide state and county level data, except for Inflation which is at the national level.