

# How Many School-Age Children Lack Internet Access in Indiana?



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## Key Points

- Our study explores regional variation in internet access among Indiana households with school-age children.
- The most urban areas of the state (including the City of Indianapolis and Northwest Indiana near Chicago) and the most rural parts of the state have the highest percentages of households without internet access.
- We estimate that there are 42,413 households with school-aged children that do not have internet access at home, about 6.5 percent of households with school-aged children. We estimate that about 68,649 to 80,118 Indiana school-age children do not have internet access at home.
- Of households with school-aged children, single-parent households, households with parents not in labor force, low-income households (with income <\$25K) and households who do not speak English at home are less likely to have internet access at home.
- This lack of access likely resulted in significant differences in the quality and quantity of school instruction received by Hoosier students during the Spring 2020 school closings caused by the COVID-19 pandemic. Likewise, this lack of internet access will make virtual learning difficult for some children if schools opt to have online education for the upcoming school year.
- The absence of broadband access disproportionately affected students in families with characteristics that already challenge academic success.
- In the coming months, Indiana lawmakers will need to fund efforts to remediate students whose educational achievement suffered due to the pandemic. The share of students affected is likely larger than estimates provided here, because some rural school corporations may not have chosen to implement online learning due to small share of students accessing the internet.
- Indiana policymakers must also prepare for learning impacts of school closings during the 2020-2021 school year. These plans must include subsidized expansion of broadband, the creation of partial school locations for students without home access and the expansion of school purchased technology for students.

## Introduction

This policy brief examines the distribution of Indiana households with school-aged children who do not have access to the internet at home and provides an estimate of the number of school-aged children lacking internet access at home. We focus on both the geography and household demographics of these children. To do so, we first briefly describe literature on the digital divide, access to information technology and how this lack of access impacts children. We then discuss the data and method of analysis used to estimate the regional distribution of internet access. After presenting the results, we summarize our findings and discuss policy implications.

According to the 2018 American Community Survey published by the U.S. Census Bureau, 12.8 percent of households in Indiana did not have a computer at home and 21.8 percent did not have home access to the internet. Because remote/virtual education relies on having access to the internet and also broadband availability/speeds and/or the availability of public libraries for internet use, some school age children may have difficulty receiving education through e-learning. The lack of access to appropriate devices and the internet could increase educational and social gaps among children. With the closing of schools during the final months of the 2019-2020 school year due to the COVID-19 pandemic and the potential closing of schools if there is a second wave of COVID-19 cases in the coming months, this policy brief helps to gauge the impact on vulnerable children without access to internet.

## Background

The digital divide is a term used to describe inequality of access to and use of information technology and new media (Van Dijk 2006). Previous research consistently found a few factors that are associated with the lack of reliable access to the internet at home such as regional unemployment, lower household income, lower education attainment, higher share of racial and ethnic minorities, rurality of location, and a higher share of elderly population (Taylor et al. 2003, DiMaggio et al. 2004, Rohde and Shapiro 2000). Surveys conducted by the Pew Research Center on Internet and Technology since the early 2000s have consistently documented that blacks and Hispanics are less likely than whites to have broadband access at home (Pew 2020). U.S. adults with less than a high school diploma and those living in rural areas are least likely to have broadband access at home (Pew 2020, Perrin 2019). While lower-income Americans have increased access to broadband at home over the last decade, it is still lower much than high income households (Pew 2020, Anderson and Kumar 2019).

At the household-level, financial burden, lack of provider availability, broadband prices, broadband speed, and psychological or cultural reasons could be some of the factors hindering internet adoption/use. Further, studies have found that computer anxiety, communication apprehension, and stereotypes, are associated with computer use and can explain the decision not to adopt the internet to some extent (Rockwell and Singleton 2002, Rojas et al. 2003).

Studies show that digital inequality is intertwined with social inequality and is relevant to participation in all economic, social, political, cultural, and institutional domains (Van Dijk 2006, 2017). Access to the internet increases the ability of individuals to expand their life opportunities by gaining economic capital (e.g., finding a new job), developing social connections (e.g., making friends online and transitioning into real life), participating politically (e.g., finding vehicles for non-traditional political

opinions), participating culturally (e.g., discovering new training and educational opportunities), and participating institutionally (e.g., benefiting from public services) (Van Dijk 2017).

The impacts of the digital divide are pertinent to children as well, especially in education and social development. Studies find modest and significant cognitive benefits and increased self-esteem with “moderate” computer/internet use at home on school-age children (Attewell, Battle, and Suazo-Garcia 2003), along with possible increases in reading and mathematics test scores (Battle 1999). Socially, online communication and instant messaging has gradually replaced the telephone for middle-school and high-school students (DiMaggio et al. 2004). Not having this form of communication with peers would likely lead to social exclusion and loss of social capital among school-age children. Additionally, the internet has also become a valuable and unique place for children and adolescents to socialize, develop personal and social identities, and express themselves (Livingstone 2011). These studies suggest that moderate and monitored home computer/internet use has positive impacts on children’s social development, cognitive development, and school performance.

During the COVID-19 pandemic, it is important to acknowledge the impact of the digital divide on children who have limited alternatives to remote and virtual learning during school closures. This inequality in internet access could further increase the learning gap between children with/without access to the internet.

## Data and Methods

We obtain the total number of Indiana households (with or without school-aged children) who do not have internet access at the school-district level from the 2018 U.S. Census Bureau’s American Community Survey (ACS). While this survey provides information on the total number of households without internet access at home, we are unable to estimate Indiana households with school-age children and without internet from the ACS. To estimate the number of school-aged children without access to the internet at home, we use individual-level weighted data from Integrated Public Use Microdata series (IPUMS) database that consists of a sample drawn from individual-level American Community Surveys. We identify the areas by their Public Use Microdata Area (PUMA), which cut across county boundaries and Census-defined areas for each state. PUMAs tend to be groups of counties.

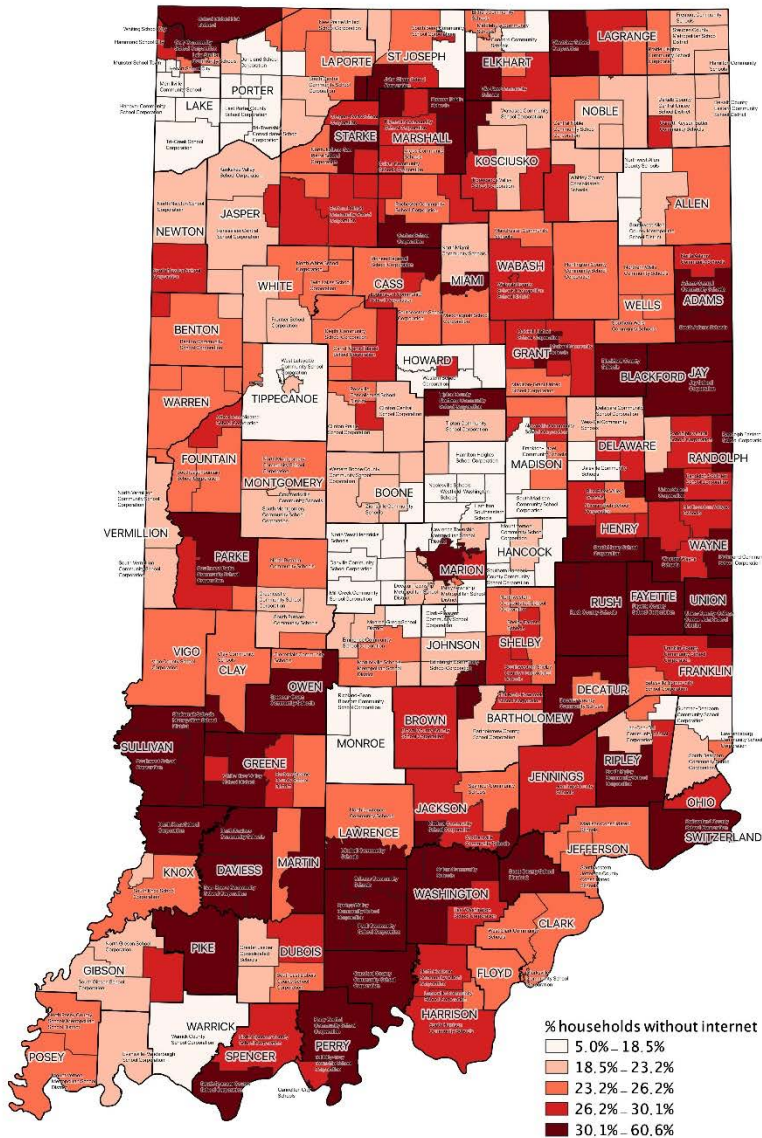
We show the regional distribution of households and school-aged children without internet access using a heat map. We also perform comparative analysis among households with school-age children and without internet access by demographic and economic characteristics. Using logistic regression, we also estimate the odds of not having access to internet by certain household characteristics.

## Results

We first present the distribution of households (both with or without school-age children) who do not have access to internet by school districts (*see Figure 1*). These households do not have dial-up internet subscription or broadband of any kind (including cellular/cable/fiber optic). The darker red school districts imply presence of larger number of households without internet (or higher percent of households without internet). *Figure 1* shows that the most urban parts of the state (Northwest Indiana

near Chicago and the City of Indianapolis) along with the most rural part of the state have the highest percentages of households without internet access at home. See *Appendix Table A* for the data by each school district in Indiana.

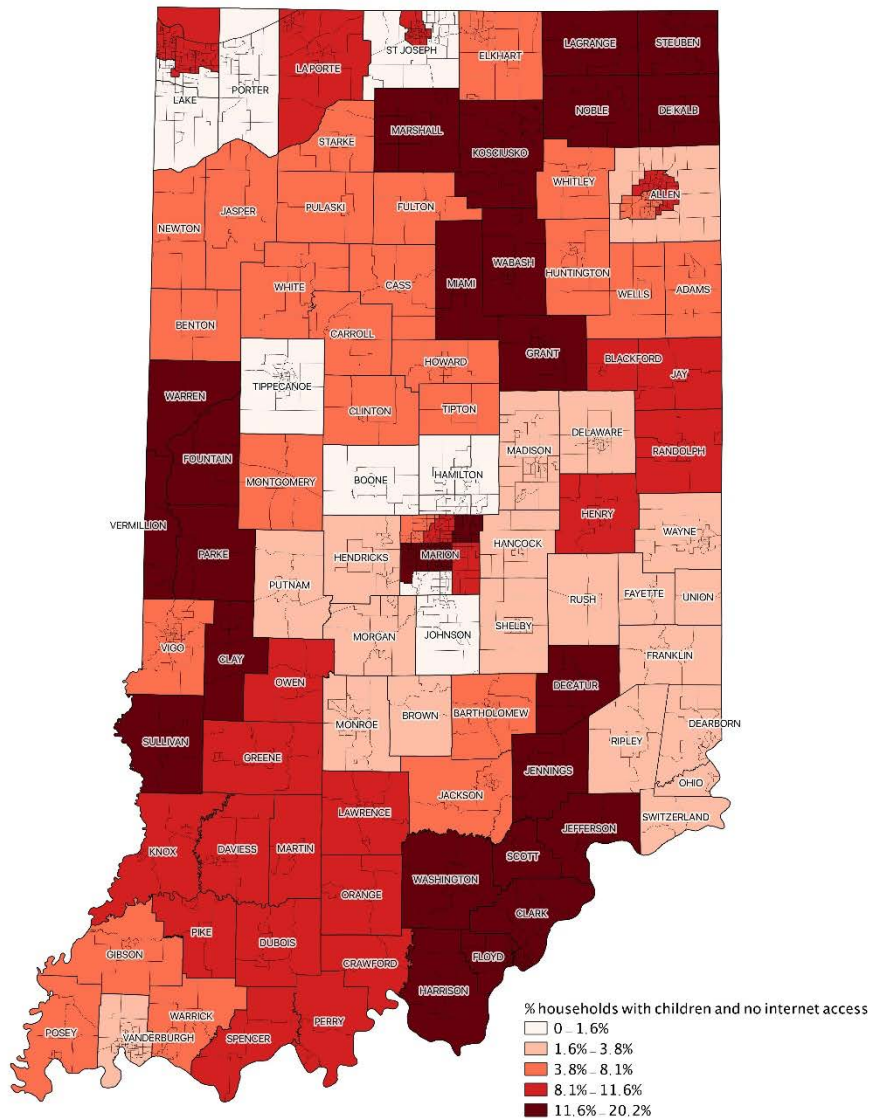
**Figure 1: Distribution of Households (by School District) Without Internet Access, 2018**



Source: American Community Survey 5-year estimates (2018)

Next, using IPUMS sample weighted data for Indiana, we present the distribution of households with school-age children who do not have access to internet. We plot the regional distribution using the PUMA codes and superimpose the Census-tract layer on the chart (see Figure 2). The underlying data by each PUMA area is presented in Appendix Table B.

**Figure 2: Distribution of Households (by PUMA Code) with School-Age Children and Without Internet Access, 2018**



Source: IPUMS, 2018 || Note: PUMA = Public Use Microdata Area

From the IPUMS weighted sample for Indiana, we estimate that there are 42,413 households with school-aged children that do not have internet. This translates to about 6.5 percent of 648,038 households with school-aged children in Indiana. From the sample, we find that the average number of



children among those households without internet range from 1.6186 to 1.889.<sup>1</sup> Therefore, we estimate about 68,649 to 80,118 school-age children without access to internet in Indiana.

Next, we examine the characteristics of households with school-age children without access to internet (42,413 households). *Table 1* shows the percentage of households without access to internet for each characteristic. Among those households with school-age children and without internet access, we find higher shares of single parent households (i.e., 57% of households who do not have access to internet are single parent households), parents not in labor force (18.9%), low-income households (35.2%), non-English speakers at home (22.4%), and households living in rental property (49.3%).

**Table 1: Characteristics of Households with School-Age Children and Without Internet in Indiana**

| <b>Variables</b>                    | <b>Percentage of Households without Access to Internet</b> |
|-------------------------------------|--|
| Single parent households            | 57%  |
| Parents not in labor force†         | 18.9%  |
| Household income is less than \$25k | 35.2%  |
| Household income \$25K to \$50K     | 26.9%  |
| Household income \$50K to \$75K     | 18.1%  |
| Household income \$75K to \$100K    | 6.46%  |
| Household income is above \$100k    | 13.4%  |
| Household language is non-English   | 22.4%  |
| Living in rental property           | 49.3%  |

*†In this category we include both parents not in labor force and for single-parent households, husband or wife are not in labor force. All statistics represented are survey weighted means.*

<sup>1</sup> The lower bound estimate is for households with school going children only and upper bound is household with both school-aged children and children under age 5 at home.

Next, we find the odds of no access to internet for each variable controlling for other characteristics using a logistic regression. *Table 2* presents the results. We find that single parent households with school-age children are 44.4 percent more likely not to have access to the internet. Households with parents not in labor force are 54.1 percent more likely not to have internet. Low-income households (with income <\$25K) have lower odds of having internet access relative to other income groups. Finally, households who do not speak English at home are 66.1 percent less likely to have internet access.

**Table 2: Odds Ratio of No Access to Internet from Logistic Regression Results**

| Variables                         | (1)                   |
|-----------------------------------|-----------------------|
|                                   | No Access to Internet |
| Single parent households          | 1.444**               |
|                                   | (0.270)               |
| Parents not in labor force        | 1.541**               |
|                                   | (0.338)               |
| Household income \$25K to \$50K   | 0.556***              |
|                                   | (0.116)               |
| Household income \$50K to \$75K   | 0.422***              |
|                                   | (0.0917)              |
| Household income \$75K to \$100K  | 0.199***              |
|                                   | (0.0658)              |
| Household income is above \$100k  | 0.214***              |
|                                   | (0.0642)              |
| Household language is non-English | 1.661***              |
|                                   | (0.267)               |
| Living in rental property         | 1.204                 |
|                                   | (0.189)               |
| Number of persons in household    | 1.092                 |
|                                   | (0.0680)              |
| Constant                          | 0.0775***             |
|                                   | (0.0273)              |
| Number of households              | 645,710               |
| Wald Chi-sq                       | 196                   |
| Replications                      | 80                    |

*Standard errors (in parentheses) were computed using successive difference replication method.*

\*\*\*  $p < 0.01$ , \*\*  $p < 0.05$ , \*  $p < 0.1$

## Discussion

Our study explores regional variation in internet access among Indiana households with school-age children. Using data from Census Bureau's Integrated Public Use Microdata Series, we estimate that 68,649 to 80,118 school-age children do not have internet access at home. This lack of access likely resulted in significant differences in the quality and quantity of school instruction received by Hoosier students during the Spring 2020 school closings caused by the COVID-19 pandemic. Likewise, this lack of internet access will make virtual learning difficult for some children if schools opt to have online education for the upcoming school year.

Using two different data sources, we observe widespread geographical difference in access across the state. Rural locations experience much lower rates of internet penetration. This means that students without internet access are most likely concentrated in rural Indiana.

We also conducted analysis of individual households across the state. We find that households with single parents, parents not in labor force, low-income households, and households who speak another language at home (not English) have higher odds of not having access to internet at home. These results suggest geographic concentration in both rural and urban places in the state.

Together our findings suggest that difficulty in accessing online instruction is concentrated across the margins of rurality, income, parental labor force participation and family structure. These findings challenge Indiana policymakers to develop strategies to address this issue historically and in the future.

The interruption of school in March 2020 resulted in wide variation in delivering online education because there are large gaps in internet access across the state. The absence of broadband access also disproportionately affected students in families with characteristics that already challenge academic success. Though it is an empirical question to be determined in the coming months, it is likely that the absence of internet availability resulted in a significant widening of the achievement gap between individual students and schools.

In the coming months, Indiana lawmakers will need to fund efforts to remediate students whose educational achievement suffered due to the pandemic. The share of students affected is likely larger than estimates provided here, because some rural school corporations may not have chosen to implement online learning due to small share of students accessing the internet. The magnitude and cost of this remediation may be significant, but we cannot yet determine the extent of the requirement.

Indiana policymakers must also prepare for learning impacts of school closings during the 2020-2021 school year. These plans must include subsidized expansion of broadband, the creation of partial school locations for students without home access and the expansion of school purchased technology for students.

State policymakers must also confront the reality that perhaps 10 percent of Indiana's students have no alternative educational technology available outside the classroom. Given the persistently poor levels of educational attainment in the state, this is rightfully viewed as an unfunded liability affecting the quality and quantity of public services.



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# Appendix

**Table A: Percentage of Households Without Internet by School Districts**

Source: American Community Survey, 2018

| FIPS Code | County Name | NCES District ID | School District Name                                | Total No. of Households (HH) | No. of HH without Internet | % of HH without Internet |
|-----------|-------------|------------------|---|------------------------------|----------------------------|--------------------------|
| 18001     | Adams       | 1800060          | Adams Central Community Schools                     | 2413                         | 887                        | 36.80%                   |
| 18001     | Adams       | 1807680          | North Adams Community Schools                       | 6504                         | 1753                       | 27.00%                   |
| 18001     | Adams       | 1810260          | South Adams Schools                                 | 3559                         | 1435                       | 40.30%                   |
| 18003     | Allen       | 1800030          | Southwest Allen County Metropolitan School District | 15345                        | 1342                       | 8.70%                    |
| 18003     | Allen       | 1802850          | East Allen County Schools                           | 24936                        | 6389                       | 25.60%                   |
| 18003     | Allen       | 1803630          | Fort Wayne Community Schools                        | 90050                        | 18797                      | 20.90%                   |
| 18003     | Allen       | 1808250          | Northwest Allen County Schools                      | 13169                        | 1203                       | 9.10%                    |
| 18005     | Bartholomew | 1800360          | Bartholomew County School Corporation               | 29617                        | 6632                       | 22.40%                   |
| 18005     | Bartholomew | 1803570          | Flat Rock-Hawcreek School Corporation               | 2023                         | 599                        | 29.60%                   |
| 18007     | Benton      | 1800480          | Benton Community School Corporation                 | 4292                         | 1020                       | 23.80%                   |
| 18009     | Blackford   | 1800570          | Blackford County Schools                            | 5225                         | 1645                       | 31.50%                   |
| 18011     | Boone       | 1802830          | Zionsville Community Schools                        | 10649                        | 643                        | 6.00%                    |
| 18011     | Boone       | 1805790          | Lebanon Community School Corporation                | 9648                         | 1822                       | 18.90%                   |
| 18011     | Boone       | 1812990          | Western Boone County Community School Corp.         | 3736                         | 845                        | 22.60%                   |
| 18013     | Brown       | 1800960          | Brown County County School Corporation              | 6093                         | 1667                       | 27.40%                   |
| 18015     | Carroll     | 1801290          | Carroll Consolidated School Corporation             | 2488                         | 694                        | 27.90%                   |
| 18015     | Carroll     | 1802700          | Delphi Community School Corporation                 | 3829                         | 977                        | 25.50%                   |
| 18017     | Cass        | 1806030          | Logansport Community School Corporation             | 8939                         | 2443                       | 27.30%                   |
| 18017     | Cass        | 1808940          | Pioneer Regional School Corporation                 | 1973                         | 510                        | 25.80%                   |
| 18017     | Cass        | 1810680          | Southeastern School Corporation                     | 3247                         | 795                        | 24.50%                   |
| 18019     | Clark       | 1801920          | Clarksville Community School Corporation            | 3728                         | 953                        | 25.60%                   |
| 18019     | Clark       | 1803940          | Greater Clark County Schools                        | 30098                        | 7693                       | 25.60%                   |

| <b>FIPS Code</b> | <b>County Name</b> | <b>NCES District ID</b> | <b>School District Name</b>                     | <b>Total No. of Households (HH)</b> | <b>No. of HH without Internet</b> | <b>% of HH without Internet</b> |
|------------------|--------------------|-------------------------|---|-------------------------------------|-----------------------------------|---------------------------------|
| 18019            | Clark              | 1809370                 | West Clark Community Schools                    | 10449                               | 2480                              | 23.70%                          |
| 18021            | Clay               | 1800840                 | Clay Community Schools                          | 10302                               | 2582                              | 25.10%                          |
| 18023            | Clinton            | 1802130                 | Clinton Central School Corporation              | 1958                                | 417                               | 21.30%                          |
| 18023            | Clinton            | 1802160                 | Clinton Prairie School Corporation              | 2148                                | 480                               | 22.30%                          |
| 18023            | Clinton            | 1803660                 | Frankfort Community Schools                     | 6631                                | 1774                              | 26.80%                          |
| 18023            | Clinton            | 1809720                 | Rossville Consolidated School District          | 1697                                | 395                               | 23.30%                          |
| 18025            | Crawford           | 1802440                 | Crawford County Community School Corporation    | 4114                                | 1625                              | 39.50%                          |
| 18027            | Daviess            | 1800330                 | Barr-Reeve Community School Corporation         | 1648                                | 583                               | 35.40%                          |
| 18027            | Daviess            | 1807710                 | North Daviess Community Schools                 | 3039                                | 1246                              | 41.00%                          |
| 18027            | Daviess            | 1812450                 | Washington Community School Corporation         | 6730                                | 2107                              | 31.30%                          |
| 18029            | Dearborn           | 1800240                 | South Dearborn Community School Corporation     | 6557                                | 1506                              | 23.00%                          |
| 18029            | Dearborn           | 1805700                 | Lawrenceburg Community School Corporation       | 4449                                | 1095                              | 24.60%                          |
| 18029            | Dearborn           | 1811190                 | Sunman-Dearborn Community School Corporation    | 8902                                | 1467                              | 16.50%                          |
| 18031            | Decatur            | 1802610                 | Decatur County Community Schools                | 4653                                | 1525                              | 32.80%                          |
| 18031            | Decatur            | 1804080                 | Greensburg Community Schools                    | 5906                                | 1476                              | 25.00%                          |
| 18033            | De Kalb            | 1801590                 | DeKalb County Central United School District    | 9977                                | 2131                              | 21.40%                          |
| 18033            | De Kalb            | 1803060                 | DeKalb County Eastern Community School District | 2681                                | 574                               | 21.40%                          |
| 18033            | De Kalb            | 1803840                 | Garrett-Keyser-Butler Community Schools         | 3827                                | 1012                              | 26.40%                          |
| 18033            | De Kalb            | 1804230                 | Hamilton Community Schools                      | 1640                                | 347                               | 21.20%                          |
| 18035            | Delaware           | 1802660                 | Delaware Community School Corporation           | 5705                                | 1055                              | 18.50%                          |
| 18035            | Delaware           | 1804500                 | Wes-Del Community Schools                       | 2231                                | 514                               | 23.00%                          |
| 18035            | Delaware           | 1805880                 | Liberty-Perry Community School Corporation      | 2509                                | 693                               | 27.60%                          |
| 18035            | Delaware           | 1807020                 | Cowan Community School Corporation              | 1387                                | 171                               | 12.30%                          |
| 18035            | Delaware           | 1807230                 | Mount Pleasant Township Community School Corp.  | 5683                                | 944                               | 16.60%                          |
| 18035            | Delaware           | 1807320                 | Muncie Community Schools                        | 26942                               | 7283                              | 27.00%                          |
| 18035            | Delaware           | 1809840                 | Daleville Community Schools                     | 1571                                | 286                               | 18.20%                          |
| 18037            | Dubois             | 1803960                 | Greater Jasper Consolidated Schools             | 7925                                | 1486                              | 18.80%                          |

| <b>FIPS Code</b> | <b>County Name</b> | <b>NCES District ID</b> | <b>School District Name</b>                  | <b>Total No. of Households (HH)</b> | <b>No. of HH without Internet</b> | <b>% of HH without Internet</b> |
|------------------|--------------------|-------------------------|--|-------------------------------------|-----------------------------------|---------------------------------|
| 18037            | Dubois             | 1808120                 | Northeast Dubois County School Corporation   | 1861                                | 559                               | 30.00%                          |
| 18037            | Dubois             | 1810640                 | Southeast Dubois County School Corporation   | 3095                                | 808                               | 26.10%                          |
| 18037            | Dubois             | 1810870                 | Southwest Dubois County School Corporation   | 3669                                | 741                               | 20.20%                          |
| 18039            | Elkhart            | 1800420                 | Baugo Community Schools                      | 3556                                | 451                               | 12.70%                          |
| 18039            | Elkhart            | 1802400                 | Concord Community Schools                    | 9671                                | 2104                              | 21.80%                          |
| 18039            | Elkhart            | 1803270                 | Elkhart Community Schools                    | 29023                               | 6722                              | 23.20%                          |
| 18039            | Elkhart            | 1803480                 | Fairfield Community Schools                  | 3672                                | 982                               | 26.70%                          |
| 18039            | Elkhart            | 1803930                 | Goshen Community Schools                     | 13376                               | 3276                              | 24.50%                          |
| 18039            | Elkhart            | 1806600                 | Middlebury Community Schools                 | 7172                                | 1302                              | 18.20%                          |
| 18039            | Elkhart            | 1812240                 | Wa-Nee Community Schools                     | 6793                                | 2184                              | 32.20%                          |
| 18041            | Fayette            | 1803510                 | Fayette County School Corporation            | 9568                                | 3178                              | 33.20%                          |
| 18043            | Floyd              | 1807410                 | New Albany-Floyd County Consolidated Schools | 29356                               | 6821                              | 23.20%                          |
| 18045            | Fountain           | 1800210                 | Attica Consolidated School Corporation       | 2071                                | 550                               | 26.60%                          |
| 18045            | Fountain           | 1802430                 | Covington Community School Corporation       | 2214                                | 519                               | 23.40%                          |
| 18045            | Fountain           | 1810620                 | Southeast Fountain School Corporation        | 2904                                | 724                               | 24.90%                          |
| 18047            | Franklin           | 1800390                 | Batesville Community School Corporation      | 4634                                | 1172                              | 25.30%                          |
| 18047            | Franklin           | 1803700                 | Franklin County Community School Corporation | 6701                                | 2012                              | 30.00%                          |
| 18049            | Fulton             | 1801410                 | Caston School Corporation                    | 1803                                | 565                               | 31.30%                          |
| 18049            | Fulton             | 1809630                 | Rochester Community School Corporation       | 4494                                | 1144                              | 25.50%                          |
| 18051            | Gibson             | 1802940                 | East Gibson School Corporation               | 2696                                | 729                               | 27.00%                          |
| 18051            | Gibson             | 1807770                 | North Gibson School Corporation              | 5847                                | 1346                              | 23.00%                          |
| 18051            | Gibson             | 1810350                 | South Gibson School Corporation              | 4701                                | 1015                              | 21.60%                          |
| 18053            | Grant              | 1803030                 | Eastbrook Community School Corporation       | 3575                                | 1064                              | 29.80%                          |
| 18053            | Grant              | 1806240                 | Madison-Grant United School Corporation      | 3139                                | 785                               | 25.00%                          |
| 18053            | Grant              | 1806390                 | Marion Community Schools                     | 13706                               | 4684                              | 34.20%                          |
| 18053            | Grant              | 1806870                 | Mississinewa Community School Corporation    | 4265                                | 1141                              | 26.80%                          |
| 18053            | Grant              | 1808340                 | Oak Hill United School Corporation           | 3214                                | 876                               | 27.30%                          |

| <b>FIPS Code</b> | <b>County Name</b> | <b>NCES District ID</b> | <b>School District Name</b>                    | <b>Total No. of Households (HH)</b> | <b>No. of HH without Internet</b> | <b>% of HH without Internet</b> |
|------------------|--------------------|-------------------------|--|-------------------------------------|-----------------------------------|---------------------------------|
| 18055            | Greene             | 1800008                 | White River Valley School District             | 2051                                | 875                               | 42.70%                          |
| 18055            | Greene             | 1800600                 | Bloomfield School District                     | 2881                                | 830                               | 28.80%                          |
| 18055            | Greene             | 1803090                 | Eastern Greene County School District          | 2930                                | 712                               | 24.30%                          |
| 18055            | Greene             | 1805910                 | Linton-Stockton School Corporation             | 3480                                | 971                               | 27.90%                          |
| 18055            | Greene             | 1810110                 | Shakamak Schools Metropolitan School District  | 1964                                | 799                               | 40.70%                          |
| 18057            | Hamilton           | 1801200                 | Carmel Clay Schools                            | 35605                               | 1945                              | 5.50%                           |
| 18057            | Hamilton           | 1804260                 | Hamilton Heights School Corporation            | 5117                                | 797                               | 15.60%                          |
| 18057            | Hamilton           | 1806480                 | Sheridan Community Schools                     | 2783                                | 592                               | 21.30%                          |
| 18057            | Hamilton           | 1807650                 | Noblesville Schools                            | 21216                               | 2144                              | 10.10%                          |
| 18057            | Hamilton           | 1810650                 | Hamilton Southeastern Schools                  | 38003                               | 1911                              | 5.00%                           |
| 18057            | Hamilton           | 1813080                 | Westfield-Washington Schools                   | 14870                               | 875                               | 5.90%                           |
| 18059            | Hancock            | 1803120                 | Eastern Hancock County Community School Corp.  | 2195                                | 392                               | 17.90%                          |
| 18059            | Hancock            | 1804050                 | Greenfield-Central Community Schools           | 11551                               | 2144                              | 18.60%                          |
| 18059            | Hancock            | 1807260                 | Mount Vernon Community School Corporation      | 7804                                | 1044                              | 13.40%                          |
| 18059            | Hancock            | 1810710                 | Southern Hancock County Community School Corp. | 6665                                | 971                               | 14.60%                          |
| 18061            | Harrison           | 1800690                 | North Harrison Community School Corporation    | 5382                                | 1536                              | 28.50%                          |
| 18061            | Harrison           | 1803720                 | Lanesville Community School Corporation        | 1409                                | 332                               | 23.60%                          |
| 18061            | Harrison           | 1810360                 | South Harrison Community Schools               | 7594                                | 2280                              | 30.00%                          |
| 18063            | Hendricks          | 1800270                 | Avon Community School Corporation              | 17769                               | 1700                              | 9.60%                           |
| 18063            | Hendricks          | 1801020                 | Brownsburg Community School Corporation        | 15884                               | 1754                              | 11.00%                          |
| 18063            | Hendricks          | 1802550                 | Danville Community School Corporation          | 5173                                | 897                               | 17.30%                          |
| 18063            | Hendricks          | 1806660                 | Mill Creek Community School Corporation        | 3634                                | 561                               | 15.40%                          |
| 18063            | Hendricks          | 1808100                 | North West Hendricks Schools                   | 3789                                | 615                               | 16.20%                          |
| 18063            | Hendricks          | 1808970                 | Plainfield Community School Corporation        | 11829                               | 1932                              | 16.30%                          |
| 18065            | Henry              | 1800660                 | Blue River Valley Schools                      | 1707                                | 447                               | 26.20%                          |
| 18065            | Henry              | 1801060                 | C. A. Beard Memorial School Corporation        | 2959                                | 1003                              | 33.90%                          |
| 18065            | Henry              | 1807440                 | New Castle Community School Corporation        | 9364                                | 2628                              | 28.10%                          |

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| 18065            | Henry              | 1808280                 | Shenandoah School Corporation                    | 2918                                | 798                               | 27.30%                          |
| 18065            | Henry              | 1810380                 | South Henry School Corporation                   | 1735                                | 638                               | 36.80%                          |
| 18067            | Howard             | 1802040                 | Northwestern School Corporation                  | 3199                                | 428                               | 13.40%                          |
| 18067            | Howard             | 1803150                 | Eastern Howard School Corporation                | 2363                                | 432                               | 18.30%                          |
| 18067            | Howard             | 1804470                 | Western School Corporation                       | 5396                                | 847                               | 15.70%                          |
| 18067            | Howard             | 1805370                 | Kokomo-Center Township Consolidated School Corp. | 19990                               | 5874                              | 29.40%                          |
| 18067            | Howard             | 1811250                 | Taylor Community School Corporation              | 3602                                | 645                               | 17.90%                          |
| 18069            | Huntington         | 1804710                 | Huntington County Community School Corporation   | 14754                               | 3720                              | 25.20%                          |
| 18071            | Jackson            | 1801050                 | Brownstown Central Community School Corporation  | 3467                                | 1038                              | 29.90%                          |
| 18071            | Jackson            | 1801230                 | Medora Community School Corporation              | 578                                 | 273                               | 47.20%                          |
| 18071            | Jackson            | 1810080                 | Seymour Community Schools                        | 11340                               | 2701                              | 23.80%                          |
| 18071            | Jackson            | 1812060                 | Crothersville Community Schools                  | 1361                                | 580                               | 42.60%                          |
| 18073            | Jasper             | 1805280                 | Kankakee Valley School Corporation               | 7528                                | 1519                              | 20.20%                          |
| 18073            | Jasper             | 1809420                 | Rensselaer Central School Corporation            | 3968                                | 857                               | 21.60%                          |
| 18075            | Jay                | 1804980                 | Jay School Corporation                           | 8149                                | 2758                              | 33.80%                          |
| 18077            | Jefferson          | 1806120                 | Madison Consolidated Schools                     | 9340                                | 2303                              | 24.70%                          |
| 18077            | Jefferson          | 1810800                 | Southwestern Jefferson County Cons. Schools      | 3419                                | 816                               | 23.90%                          |
| 18079            | Jennings           | 1805190                 | Jennings County Schools                          | 10659                               | 3017                              | 28.30%                          |
| 18081            | Johnson            | 1801440                 | Center Grove Community School Corporation        | 15984                               | 1404                              | 8.80%                           |
| 18081            | Johnson            | 1801890                 | Clark-Pleasant Community School Corporation      | 13252                               | 2148                              | 16.20%                          |
| 18081            | Johnson            | 1803240                 | Edinburgh Community School Corporation           | 1924                                | 683                               | 35.50%                          |
| 18081            | Johnson            | 1803690                 | Franklin Community School Corporation            | 11616                               | 2406                              | 20.70%                          |
| 18081            | Johnson            | 1804110                 | Greenwood Community School Corporation           | 10129                               | 1706                              | 16.80%                          |
| 18081            | Johnson            | 1807620                 | Nineveh-Hensley-Jackson United School Corp.      | 4278                                | 830                               | 19.40%                          |
| 18083            | Knox               | 1807830                 | North Knox School Corporation                    | 3560                                | 1085                              | 30.50%                          |
| 18083            | Knox               | 1810410                 | South Knox School Corporation                    | 2376                                | 623                               | 26.20%                          |
| 18083            | Knox               | 1812120                 | Vincennes Community School Corporation           | 9019                                | 1775                              | 19.70%                          |



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| 18085            | Kosciusko          | 1805550                 | Wawasee Community School Corporation             | 8164                                | 1844                              | 22.60%                          |
| 18085            | Kosciusko          | 1811370                 | Tippecanoe Valley School Corporation             | 4691                                | 1361                              | 29.00%                          |
| 18085            | Kosciusko          | 1812420                 | Warsaw Community Schools                         | 15686                               | 3032                              | 19.30%                          |
| 18087            | LaGrange           | 1805520                 | Lakeland School Corporation                      | 5438                                | 1457                              | 26.80%                          |
| 18087            | LaGrange           | 1809300                 | Prairie Heights Community School Corporation     | 4030                                | 972                               | 24.10%                          |
| 18087            | LaGrange           | 1813110                 | Westview School Corporation                      | 5179                                | 3136                              | 60.60%                          |
| 18089            | Lake               | 1802490                 | Crown Point Community School Corporation         | 15895                               | 1960                              | 12.30%                          |
| 18089            | Lake               | 1802880                 | City of East Chicago School District             | 10160                               | 4518                              | 44.50%                          |
| 18089            | Lake               | 1802910                 | Lake Station Community Schools                   | 2824                                | 714                               | 25.30%                          |
| 18089            | Lake               | 1803870                 | Gary Community School Corporation                | 29493                               | 11571                             | 39.20%                          |
| 18089            | Lake               | 1804170                 | Griffith Public Schools                          | 6461                                | 977                               | 15.10%                          |
| 18089            | Lake               | 1804320                 | Hammond School City                              | 28491                               | 7934                              | 27.80%                          |
| 18089            | Lake               | 1804350                 | Hanover Community School Corporation             | 4539                                | 550                               | 12.10%                          |
| 18089            | Lake               | 1804560                 | Highland School Town                             | 9473                                | 1710                              | 18.10%                          |
| 18089            | Lake               | 1804590                 | Hobart School City                               | 8640                                | 1569                              | 18.20%                          |
| 18089            | Lake               | 1804620                 | River Forest Community School Corporation        | 2548                                | 611                               | 24.00%                          |
| 18089            | Lake               | 1805450                 | Lake Central School Corporation                  | 25528                               | 2640                              | 10.30%                          |
| 18089            | Lake               | 1805460                 | Lake Ridge Schools                               | 4618                                | 1146                              | 24.80%                          |
| 18089            | Lake               | 1807350                 | Munster School Town                              | 8697                                | 1253                              | 14.40%                          |
| 18089            | Lake               | 1809690                 | Merrillville Community School                    | 19135                               | 3462                              | 18.10%                          |
| 18089            | Lake               | 1811460                 | Tri-Creek School Corporation                     | 7327                                | 1051                              | 14.30%                          |
| 18089            | Lake               | 1813200                 | Whiting School City                              | 1608                                | 509                               | 31.70%                          |
| 18091            | La Porte           | 1800107                 | Tri-Township Consolidated School Corporation     | 1283                                | 260                               | 20.30%                          |
| 18091            | La Porte           | 1802190                 | South Central Community School Corporation       | 1524                                | 296                               | 19.40%                          |
| 18091            | La Porte           | 1805580                 | La Porte Community School Corporation            | 15571                               | 3761                              | 24.20%                          |
| 18091            | La Porte           | 1806570                 | Michigan City Area Schools                       | 19731                               | 4804                              | 24.30%                          |
| 18091            | La Porte           | 1807470                 | New Durham Township Metropolitan School District | 1772                                | 243                               | 13.70%                          |

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| 18091            | La Porte           | 1807560                 | New Prairie United School Corporation            | 5609                                | 1041                              | 18.60%                          |
| 18093            | Lawrence           | 1806900                 | Mitchell Community Schools                       | 4843                                | 1561                              | 32.20%                          |
| 18093            | Lawrence           | 1807860                 | North Lawrence Community Schools                 | 13644                               | 3538                              | 25.90%                          |
| 18095            | Madison            | 1800120                 | Alexandria Community School Corporation          | 3565                                | 1071                              | 30.00%                          |
| 18095            | Madison            | 1800150                 | Anderson Community School Corporation            | 29533                               | 7057                              | 23.90%                          |
| 18095            | Madison            | 1803300                 | Elwood Community School Corporation              | 4081                                | 1197                              | 29.30%                          |
| 18095            | Madison            | 1810440                 | South Madison Community School Corporation       | 8334                                | 1174                              | 14.10%                          |
| 18095            | Madison            | 1812880                 | Frankton-Lapel Community Schools                 | 4894                                | 886                               | 18.10%                          |
| 18097            | Marion             | 1800450                 | Beech Grove City Schools                         | 5751                                | 1354                              | 23.50%                          |
| 18097            | Marion             | 1802640                 | Decatur Township Metropolitan School District    | 11856                               | 2336                              | 19.70%                          |
| 18097            | Marion             | 1803750                 | Franklin Township Community School Corporation   | 19036                               | 2038                              | 10.70%                          |
| 18097            | Marion             | 1804770                 | Indianapolis Public Schools                      | 122571                              | 39906                             | 32.60%                          |
| 18097            | Marion             | 1805670                 | Lawrence Township Metropolitan School District   | 40177                               | 7834                              | 19.50%                          |
| 18097            | Marion             | 1808820                 | Perry Township Metropolitan School District      | 38947                               | 7445                              | 19.10%                          |
| 18097            | Marion             | 1808910                 | Pike Township Metropolitan School District       | 29729                               | 4787                              | 16.10%                          |
| 18097            | Marion             | 1810920                 | Speedway School Town                             | 5186                                | 1072                              | 20.70%                          |
| 18097            | Marion             | 1812360                 | Warren Township Metropolitan School District     | 26170                               | 7303                              | 27.90%                          |
| 18097            | Marion             | 1812720                 | Washington Township Metropolitan School District | 39374                               | 6442                              | 16.40%                          |
| 18097            | Marion             | 1812810                 | Wayne Township Metropolitan School District      | 30236                               | 6289                              | 20.80%                          |
| 18099            | Marshall           | 1800180                 | Argos Community Schools                          | 1334                                | 335                               | 25.10%                          |
| 18099            | Marshall           | 1800900                 | Bremen Public Schools                            | 2979                                | 988                               | 33.20%                          |
| 18099            | Marshall           | 1802520                 | Culver Community Schools Corporation             | 2754                                | 810                               | 29.40%                          |
| 18099            | Marshall           | 1809060                 | Plymouth Community School Corporation            | 7386                                | 2104                              | 28.50%                          |
| 18099            | Marshall           | 1811490                 | Triton School Corporation                        | 2311                                | 814                               | 35.20%                          |
| 18101            | Martin             | 1806060                 | Loogootee Community School Corporation           | 2369                                | 599                               | 25.30%                          |
| 18101            | Martin             | 1810170                 | Shoals Community School Corporation              | 1829                                | 626                               | 34.20%                          |
| 18103            | Miami              | 1806090                 | Maconaquah School Corporation                    | 5100                                | 1278                              | 25.10%                          |

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| 18103            | Miami              | 1807890                 | North Miami Community Schools                     | 2252                                | 507                               | 22.50%                          |
| 18103            | Miami              | 1808850                 | Peru Community Schools                            | 5592                                | 1821                              | 32.60%                          |
| 18105            | Monroe             | 1800630                 | Monroe County Community School Corporation        | 48155                               | 8288                              | 17.20%                          |
| 18105            | Monroe             | 1809480                 | Richland-Bean Blossom Community School Corp.      | 7382                                | 1259                              | 17.10%                          |
| 18107            | Montgomery         | 1802460                 | Crawfordsville Community Schools                  | 6314                                | 1181                              | 18.70%                          |
| 18107            | Montgomery         | 1807900                 | North Montgomery Community School Corporation     | 4666                                | 1175                              | 25.20%                          |
| 18107            | Montgomery         | 1810450                 | South Montgomery Community School Corporation     | 4291                                | 974                               | 22.70%                          |
| 18109            | Morgan             | 1803330                 | Eminence Community School Corporation             | 1095                                | 253                               | 23.10%                          |
| 18109            | Morgan             | 1804140                 | Monroe-Gregg School District                      | 2868                                | 538                               | 18.80%                          |
| 18109            | Morgan             | 1806510                 | Martinsville Schools Metropolitan School District | 11263                               | 2884                              | 25.60%                          |
| 18109            | Morgan             | 1807140                 | Mooreville Consolidated School Corporation        | 9294                                | 1591                              | 17.10%                          |
| 18111            | Newton             | 1807920                 | North Newton School Corporation                   | 3522                                | 662                               | 18.80%                          |
| 18111            | Newton             | 1810470                 | South Newton School Corporation                   | 2123                                | 565                               | 26.60%                          |
| 18113            | Noble              | 1801710                 | Central Noble Community School Corporation        | 3526                                | 775                               | 22.00%                          |
| 18113            | Noble              | 1802970                 | East Noble School Corporation                     | 9391                                | 2149                              | 22.90%                          |
| 18113            | Noble              | 1812900                 | West Noble School Corporation                     | 4243                                | 1014                              | 23.90%                          |
| 18115            | Ohio               | 1809600                 | Rising Sun-Ohio County Community Schools          | 2513                                | 660                               | 26.30%                          |
| 18117            | Orange             | 1808490                 | Orleans Community Schools                         | 1885                                | 683                               | 36.20%                          |
| 18117            | Orange             | 1808640                 | Paoli Community School Corporation                | 3540                                | 1272                              | 35.90%                          |
| 18117            | Orange             | 1810980                 | Springs Valley Community School Corporation       | 2456                                | 808                               | 32.90%                          |
| 18119            | Owen               | 1810950                 | Spencer-Owen Community Schools                    | 7149                                | 2298                              | 32.10%                          |
| 18121            | Parke              | 1800118                 | North Central Parke Community School Corporation  | 3710                                | 1402                              | 37.80%                          |
| 18121            | Parke              | 1810900                 | Southwest Parke Community School Corporation      | 2127                                | 616                               | 29.00%                          |
| 18123            | Perry              | 1801170                 | Cannelton City Schools                            | 717                                 | 288                               | 40.20%                          |
| 18123            | Perry              | 1801740                 | Perry Central Community School Corporation        | 2416                                | 742                               | 30.70%                          |
| 18123            | Perry              | 1811260                 | Tell City-Troy Township School Corporation        | 4332                                | 1188                              | 27.40%                          |
| 18125            | Pike               | 1808900                 | Pike County School Corporation                    | 5129                                | 1784                              | 34.80%                          |

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| 18127            | Porter             | 1800750                 | Boone Township Metropolitan School District       | 2212                                | 392                               | 17.70%                          |
| 18127            | Porter             | 1802800                 | Duneland School Corporation                       | 13370                               | 2211                              | 16.50%                          |
| 18127            | Porter             | 1809000                 | East Porter County School Corporation             | 4626                                | 668                               | 14.40%                          |
| 18127            | Porter             | 1809150                 | Portage Township Schools                          | 18225                               | 3860                              | 21.20%                          |
| 18127            | Porter             | 1809180                 | Porter Township School Corporation                | 3526                                | 565                               | 16.00%                          |
| 18127            | Porter             | 1811700                 | Union Township School Corporation                 | 3324                                | 403                               | 12.10%                          |
| 18127            | Porter             | 1811970                 | Valparaiso Community Schools                      | 17706                               | 2790                              | 15.80%                          |
| 18129            | Posey              | 1807290                 | Mount Vernon Metropolitan School District         | 6346                                | 1549                              | 24.40%                          |
| 18129            | Posey              | 1807950                 | North Posey County Schools Metro. School District | 3829                                | 929                               | 24.30%                          |
| 18131            | Pulaski            | 1807110                 | Eastern Pulaski Community School Corporation      | 2929                                | 795                               | 27.10%                          |
| 18131            | Pulaski            | 1809360                 | West Central School Corporation                   | 1810                                | 482                               | 26.60%                          |
| 18133            | Putnam             | 1802220                 | Cloverdale Community Schools                      | 2992                                | 761                               | 25.40%                          |
| 18133            | Putnam             | 1803990                 | Greencastle Community School Corporation          | 5189                                | 1146                              | 22.10%                          |
| 18133            | Putnam             | 1807980                 | North Putnam Community Schools                    | 3979                                | 1011                              | 25.40%                          |
| 18133            | Putnam             | 1810500                 | South Putnam Community Schools                    | 2825                                | 624                               | 22.10%                          |
| 18135            | Randolph           | 1801770                 | Randolph Central School Corporation               | 3834                                | 1069                              | 27.90%                          |
| 18135            | Randolph           | 1803180                 | Randolph Eastern School Corporation               | 2197                                | 681                               | 31.00%                          |
| 18135            | Randolph           | 1807080                 | Monroe Central School Corporation                 | 2314                                | 503                               | 21.70%                          |
| 18135            | Randolph           | 1810740                 | Randolph Southern School Corporation              | 1301                                | 380                               | 29.20%                          |
| 18135            | Randolph           | 1811730                 | Union School Corporation                          | 1178                                | 437                               | 37.10%                          |
| 18137            | Ripley             | 1804800                 | Jac-Cen-Del Community School Corporation          | 1898                                | 428                               | 22.60%                          |
| 18137            | Ripley             | 1806630                 | Milan Community Schools                           | 2388                                | 635                               | 26.60%                          |
| 18137            | Ripley             | 1810530                 | South Ripley Community School Corporation         | 2884                                | 881                               | 30.50%                          |
| 18139            | Rush               | 1809750                 | Rush County Schools                               | 5902                                | 2178                              | 36.90%                          |
| 18141            | St Joseph          | 1806840                 | Mishawaka School City                             | 12184                               | 3345                              | 27.50%                          |
| 18141            | St Joseph          | 1808760                 | Penn-Harris-Madison School Corporation            | 23761                               | 3373                              | 14.20%                          |
| 18141            | St Joseph          | 1809120                 | John Glenn School Corporation                     | 3875                                | 1206                              | 31.10%                          |

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| 18141            | St Joseph          | 1810290                 | South Bend Community School Corporation           | 59497                               | 15565                             | 26.20%                          |
| 18141            | St Joseph          | 1811910                 | Union-North United School Corporation             | 2938                                | 877                               | 29.90%                          |
| 18143            | Scott              | 1809990                 | Scott County School District 1                    | 2408                                | 861                               | 35.80%                          |
| 18143            | Scott              | 1810020                 | Scott County School District 2                    | 6596                                | 2168                              | 32.90%                          |
| 18145            | Shelby             | 1803210                 | Shelby Eastern Schools                            | 3413                                | 828                               | 24.30%                          |
| 18145            | Shelby             | 1808310                 | Northwestern Consolidated School Corporation      | 2911                                | 725                               | 24.90%                          |
| 18145            | Shelby             | 1810140                 | Shelbyville Central Schools                       | 9630                                | 2573                              | 26.70%                          |
| 18145            | Shelby             | 1810830                 | Southwestern Shelby County Consolidated Schools   | 1637                                | 477                               | 29.10%                          |
| 18147            | Spencer            | 1808010                 | North Spencer County School Corporation           | 4564                                | 1335                              | 29.30%                          |
| 18147            | Spencer            | 1810560                 | South Spencer County School Corporation           | 3545                                | 1107                              | 31.20%                          |
| 18149            | Starke             | 1805340                 | Knox Community School Corporation                 | 4041                                | 1250                              | 30.90%                          |
| 18149            | Starke             | 1807800                 | North Judson-San Pierre School Corporation        | 2808                                | 702                               | 25.00%                          |
| 18149            | Starke             | 1808460                 | Oregon-Davis School Corporation                   | 1718                                | 505                               | 29.40%                          |
| 18151            | Steuben            | 1803780                 | Fremont Community Schools                         | 3243                                | 731                               | 22.50%                          |
| 18151            | Steuben            | 1811100                 | Steuben County Metropolitan School District       | 7212                                | 1361                              | 18.90%                          |
| 18153            | Sullivan           | 1808160                 | Northeast School Corporation                      | 3268                                | 1007                              | 30.80%                          |
| 18153            | Sullivan           | 1810860                 | Southwest School Corporation                      | 4439                                | 1649                              | 37.10%                          |
| 18155            | Switzerland        | 1811220                 | Switzerland County School Corporation             | 4297                                | 1370                              | 31.90%                          |
| 18157            | Tippecanoe         | 1805400                 | Lafayette School Corporation                      | 25306                               | 5498                              | 21.70%                          |
| 18157            | Tippecanoe         | 1811340                 | Tippecanoe School Corporation                     | 32398                               | 5432                              | 16.80%                          |
| 18157            | Tippecanoe         | 1812870                 | West Lafayette Community School Corporation       | 10634                               | 1162                              | 10.90%                          |
| 18159            | Tipton             | 1808040                 | Tipton County Northern Community School Corp.     | 1928                                | 645                               | 33.50%                          |
| 18159            | Tipton             | 1811400                 | Tipton Community School Corporation               | 4367                                | 955                               | 21.90%                          |
| 18161            | Union              | 1811610                 | Union County-College Corner Joint School District | 2990                                | 1028                              | 34.40%                          |
| 18163            | Vanderburgh        | 1803450                 | Evansville-Vanderburgh School Corporation         | 75197                               | 16593                             | 22.10%                          |
| 18165            | Vermillion         | 1808070                 | North Vermillion Community School Corporation     | 1756                                | 402                               | 22.90%                          |
| 18165            | Vermillion         | 1810590                 | South Vermillion Community School Corporation     | 4860                                | 1077                              | 22.20%                          |

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| 18167            | Vigo               | 1812090                 | Vigo County School Corporation                 | 41874                               | 9768                              | 23.30%                          |
| 18169            | Wabash             | 1806270                 | Manchester Community Schools                   | 3779                                | 982                               | 26.00%                          |
| 18169            | Wabash             | 1812150                 | Wabash City Schools                            | 3803                                | 1133                              | 29.80%                          |
| 18169            | Wabash             | 1812180                 | Wabash County Schools Metro. School District   | 5293                                | 1492                              | 28.20%                          |
| 18171            | Warren             | 1806080                 | Warren County Metropolitan School District     | 2903                                | 747                               | 25.70%                          |
| 18173            | Warrick            | 1812390                 | Warrick County School Corporation              | 24267                               | 4193                              | 17.30%                          |
| 18175            | Washington         | 1803000                 | East Washington School Corporation             | 3601                                | 1071                              | 29.70%                          |
| 18175            | Washington         | 1809810                 | Salem Community Schools                        | 5310                                | 1867                              | 35.20%                          |
| 18175            | Washington         | 1812930                 | West Washington School Corporation             | 1810                                | 665                               | 36.70%                          |
| 18177            | Wayne              | 1801560                 | Centerville-Abington Community Schools         | 3158                                | 878                               | 27.80%                          |
| 18177            | Wayne              | 1807380                 | Nettle Creek School Corporation                | 2567                                | 725                               | 28.20%                          |
| 18177            | Wayne              | 1808190                 | Northeastern Wayne Schools                     | 2077                                | 559                               | 26.90%                          |
| 18177            | Wayne              | 1809510                 | Richmond Community School Corporation          | 16641                               | 5291                              | 31.80%                          |
| 18177            | Wayne              | 1813050                 | Western Wayne Schools                          | 2369                                | 840                               | 35.50%                          |
| 18179            | Wells              | 1800720                 | Bluffton-Harrison Metropolitan School District | 3293                                | 816                               | 24.80%                          |
| 18179            | Wells              | 1808220                 | Northern Wells Community Schools               | 6105                                | 1507                              | 24.70%                          |
| 18179            | Wells              | 1810770                 | Southern Wells Community Schools               | 1476                                | 359                               | 24.30%                          |
| 18181            | White              | 1803810                 | Frontier School Corporation                    | 1637                                | 311                               | 19.00%                          |
| 18181            | White              | 1808130                 | North White School Corporation                 | 2337                                | 564                               | 24.10%                          |
| 18181            | White              | 1811430                 | Tri-County School Corporation                  | 1640                                | 378                               | 23.00%                          |
| 18181            | White              | 1811580                 | Twin Lakes School Corporation                  | 6026                                | 1508                              | 25.00%                          |
| 18183            | Whitley            | 1802280                 | Whitley County Consolidated Schools            | 9204                                | 1831                              | 19.90%                          |
| 18183            | Whitley            | 1810230                 | Smith-Green Community Schools                  | 2937                                | 560                               | 19.10%                          |
| 18183            | Whitley            | 1813230                 | Whitko Community School Corporation            | 4312                                | 1221                              | 28.30%                          |



**Table B: Percentage of Households with School-Age Children and Without Internet by PUMA Area Codes**

Source: IPUMS, 2018 || Note: PUMA = Public Use Microdata Area

| <b>PUMA Code</b> | <b>Public Use Microdata Area Name</b>                              | <b>No. of HH w/ School Age Children</b> | <b>No. of HH w/ School Age Children and Without Internet</b> | <b>% of HH w/ School Age Children and Without Internet</b> |
|------------------|--|---|--|--|
| 0101             | Lake County (Northwest)--Hammond & East Chicago Cities PUMA        | 12822                                   | 1405   | 11.0%  |
| 0102             | Lake County (Northeast)--Gary City & Griffith Town PUMA            | 10112                                   | 1116   | 11.0%  |
| 0103             | Lake County (Central) PUMA   | 11248                                   | 86   | 0.8%   |
| 0104             | Lake County (South) PUMA   | 12849                                   | 0  | 0.0%   |
| 0200             | Porter County PUMA   | 18220                                   | 83   | 0.5%   |
| 0300             | LaPorte County PUMA  | 9850                                    | 1133   | 11.5%  |
| 0401             | St. Joseph County (North)--South Bend City PUMA                    | 9079                                    | 779  | 8.6%   |
| 0402             | St. Joseph County (Outside South Bend City)--Mishawaka City PUMA   | 14466                                   | 175  | 1.2%   |
| 0500             | Elkhart County--Elkhart & Goshen Cities PUMA                       | 22721                                   | 1463   | 6.4%   |
| 0600             | Noble, DeKalb, LaGrange & Steuben Counties PUMA                    | 13721                                   | 1836   | 13.4%  |
| 0700             | Jasper, Starke, Fulton, Newton & Pulaski Counties PUMA             | 9278                                    | 539  | 5.8%   |
| 0800             | Kosciusko & Marshall Counties PUMA                                 | 12725                                   | 1537   | 12.1%  |
| 0900             | Huntington, Whitley, Adams & Wells Counties PUMA                   | 13618                                   | 713  | 5.2%   |
| 1001             | Allen County (Central)--Fort Wayne City (South) PUMA               | 14410                                   | 959  | 6.7%   |
| 1002             | Allen County (Central)--Fort Wayne City (North) PUMA               | 11395                                   | 1118   | 9.8%   |
| 1003             | Allen County (Outside Fort Wayne City) PUMA                        | 13687                                   | 517  | 3.8%   |
| 1100             | Montgomery, Clinton, White, Carroll & Benton Counties PUMA         | 12127                                   | 743  | 6.1%   |
| 1200             | Tippecanoe County--Lafayette & West Lafayette Cities PUMA          | 16813                                   | 23   | 0.1%   |
| 1300             | Howard, Cass & Tipton Counties--Kokomo City PUMA                   | 12646                                   | 832  | 6.6%   |
| 1400             | Grant, Miami & Wabash Counties PUMA                                | 10598                                   | 1577   | 14.9%  |
| 1500             | Henry, Randolph, Jay & Blackford Counties PUMA                     | 9898                                    | 807  | 8.2%   |
| 1600             | Clay, Sullivan, Parke, Fountain, Vermillion & Warren Counties PUMA | 10552                                   | 1287   | 12.2%  |

| <b>PUMA Code</b> | <b>Public Use Microdata Area Name</b>  | <b>No. of HH w/ School Age Children</b> | <b>No. of HH w/ School Age Children and Without Internet</b> | <b>% of HH w/ School Age Children and Without Internet</b> |
|------------------|--|---|--|--|
| 1700             | Vigo County--Terre Haute City PUMA   | 9589                                    | 545  | 5.7%   |
| 1801             | Boone & Hamilton (Northwest) Counties PUMA   | 15955                                   | 147  | 0.9%   |
| 1802             | Hamilton County (Central)--Carmel City & Fishers Town (West) PUMA                          | 15832                                   | 0  | 0.0%   |
| 1803             | Hamilton County (East)--Noblesville City & Fishers Town (East) PUMA                        | 16719                                   | 0  | 0.0%   |
| 1900             | Madison County--Anderson City PUMA   | 13846                                   | 322  | 2.3%   |
| 2000             | Delaware County--Muncie City PUMA  | 9260                                    | 158  | 1.7%   |
| 2100             | Morgan, Putnam & Brown Counties PUMA   | 12894                                   | 382  | 3.0%   |
| 2200             | Hendricks County PUMA  | 18871                                   | 503  | 2.7%   |
| 2301             | Marion County--Pike & Washington (Northwest) Townships--Indianapolis City (Northwest) PUMA | 8996                                    | 722  | 8.0%   |
| 2302             | Marion County--Washington Township (South & East)--Indianapolis City (North) PUMA          | 8264                                    | 703  | 8.5%   |
| 2303             | Marion County--Lawrence Township--Indianapolis (Northeast) & Lawrence Cities PUMA          | 10617                                   | 1851   | 17.4%  |
| 2304             | Marion County--Wayne & Decatur (Northwest) Townships--Indianapolis City (West) PUMA        | 13960                                   | 2227   | 16.0%  |
| 2305             | Marion County--Center Township--Indianapolis City (Central) PUMA                           | 11908                                   | 2411   | 20.2%  |
| 2306             | Marion County--Warren & Franklin Townships--Indianapolis City (East & Southeast) PUMA      | 13392                                   | 1243   | 9.3%   |
| 2307             | Marion County--Perry & Decatur (South & East) Townships--Indianapolis City (South) PUMA    | 13180                                   | 67   | 0.5%   |
| 2400             | Johnson County--Greenwood City PUMA  | 18547                                   | 157  | 0.8%   |
| 2500             | Hancock & Shelby Counties PUMA   | 12788                                   | 477  | 3.7%   |
| 2600             | Wayne, Fayette, Rush & Union Counties PUMA   | 10309                                   | 313  | 3.0%   |
| 2700             | Greene, Daviess, Owen, Orange & Martin Counties PUMA                                       | 17310                                   | 1607   | 9.3%   |
| 2800             | Monroe County--Bloomington City PUMA   | 11018                                   | 207  | 1.9%   |
| 2900             | Bartholomew & Jackson Counties--Columbus City PUMA   | 12900                                   | 727  | 5.6%   |
| 3000             | Jefferson, Jennings, Decatur & Scott Counties PUMA   | 10056                                   | 1994   | 19.8%  |
| 3100             | Dearborn, Franklin, Ripley, Switzerland & Ohio Counties PUMA                               | 11224                                   | 411  | 3.7%   |
| 3200             | Warrick, Gibson & Posey Counties PUMA  | 14141                                   | 540  | 3.8%   |

| <b>PUMA Code</b> | <b>Public Use Microdata Area Name</b>                       | <b>No. of HH w/<br/>School Age<br/>Children</b> | <b>No. of HH w/<br/>School Age<br/>Children and<br/>Without Internet</b> | <b>% of HH w/<br/>School Age<br/>Children and<br/>Without Internet</b> |
|------------------|---|---|--|--|
| 3300             | Vanderburgh County--Evansville City PUMA                    | 17139   | 461  | 2.7%   |
| 3400             | Dubois, Knox, Spencer, Perry, Pike & Crawford Counties PUMA | 12972   | 1204   | 9.3%   |
| 3500             | Floyd, Harrison & Washington Counties PUMA                  | 13246   | 2503   | 18.9%  |
| 3600             | Clark County--Jeffersonville City PUMA                      | 10270   | 1803   | 17.6%  |