

Terminated Pregnancy Report 2016



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Terminated Pregnancy Report

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Disclaimer

This report seeks to provide a comprehensive analysis of the occurrence of pregnancy termination in the state by focusing on the occurrence of terminations and multi-year trending. Trends identified in this report are based on data collected since 2012.

Due to the required publication of this report by mid-year, a cut-off date was established to create a 2016 dataset for analysis. As such, there is the possibility that reports were submitted after this cut-off and were not included in the analysis; this may cause the number of terminations for the year to be slightly lower than the true total.

The analysis presented in this report is not comparable to the results of state reports of terminated pregnancies prior to 2014. Data analyses presented in this report for 2012 and 2013 will not match results for these years previously published due to the change in analysis.

Analyses conducted by the Centers for Disease Control and Prevention (CDC) that are referenced in this report were subject to data availability at the federal level. For details, please refer to the original document released by the CDC.¹



Executive Summary

The Terminated Pregnancy Report for Indiana is produced annually to provide a comprehensive overview of terminations performed in Indiana throughout the previous year. Data is reported to the Indiana State Department of Health Division of Vital Records (ISDH) in accordance with Indiana Code § 16-34-2.

The 2016 reporting year was the first year that reports were collected using an online reporting system, in accordance with Indiana Code § 16-34-2-5.5.

For the past five years (2012-2016), the counts and rates of terminated pregnancy occurrences, regardless of residence, have decreased. The total number of resident terminations from 2012 to 2016 has decreased by approximately 1,500, resulting in a rate decrease of 1.2 terminations per 1,000 residents of childbearing age.

During calendar year 2016, 7,277 pregnancy terminations were reported by physicians to the ISDH, at the time of analysis. Of these terminations, 6,767 (93.0%) were Indiana residents.

| Terminations by Year, 2012–2016 | | | | | |
|---------------------------------|-------------|----------------|--|--|--|
| Year | Total Count | Resident Count | | | |
| 2012 | 8,808 | 8,272 | | | |
| 2013 | 8,179 | 7,596 | | | |
| 2014 | 8,118 | 7,621 | | | |
| 2015 | 7,957 | 7,487 | | | |
| 2016 | 7,277 | 6,767 | | | |

The most recent U.S. Census data estimates that 1,296,510 women of childbearing age (15–44 years) lived in Indiana in 2015.⁴ Based on this estimation, the termination rate for Indiana residents in 2016 was 5.2 terminations per 1,000 women aged 15–44.

Terminations at abortion clinics accounted for 99.45% of procedures, and reported terminations were performed in four counties: Lake, Marion, Monroe, and Tippecanoe. Of these, Marion County had the most, accounting for 66.11% of terminations; Tippecanoe County had the fewest, accounting for only 2.36% of terminations.

Of the women receiving terminations in 2016, 88.44% were unmarried. Reports show that 33.92% of women reported a high school diploma or General Educational Development (GED) as the highest level of education they completed at the time of procedure. This follows the same pattern seen from 2012 to 2015.

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Introduction

The Centers for Disease Control and Prevention (CDC) has reported on abortion surveillance since 1969. Annually, CDC requests data from throughout the United States; however, participation by health agencies is voluntary.¹ The Indiana State Department of Health Division of Vital Records (ISDH) has provided data to CDC since 1973.⁹ The most recently reported abortion numbers, rates (number of abortions per 1,000 women aged 15-44 years), and ratios (number of abortions per 1,000 live births) for the United States during the time frame 2004–2013 are shown in Table 1.

| Year | Selected reporting areas [§] | Continuously reporting areas ¹ | | | | |
|------|--|---|-----------|------|-------|--|
| | Count | Count | Percent** | Rate | Ratio | |
| 2004 | 839,226 | 817,906 | 97.5 | 15.9 | 241 | |
| 2005 | 820,151 | 807,680 | 98.5 | 15.7 | 236 | |
| 2006 | 852,385 ⁺⁺ | 834,615 | 97.9 | 16.2 | 237 | |
| 2007 | 827,609 | 818,923 | 99.0 | 15.8 | 229 | |
| 2008 | 825,564 | 816,765 | 98.9 | 15.8 | 232 | |
| 2009 | 789,217 ^{§§} | 779,278 | 98.7 | 15.0 | 227 | |
| 2010 | 765,651 | 754,780 | 98.6 | 14.6 | 227 | |
| 2011 | 730,322 | 719,530 | 98.5 | 13.9 | 219 | |
| 2012 | 699,202 | 688,149 | 98.4 | 13.2 | 210 | |
| 2013 | 664,435 | 652,582 | 98.2 | 12.5 | 200 | |

[§] For each given year, excludes reporting areas that did not report that year's abortion numbers to CDC: California (2004-2013), Louisiana (2005), Maryland (2007-2013), New Hampshire (2004-2013), and West Virginia (2004).

[¶] Only includes areas that reported abortion counts every year during the period of analysis (2003-2012).

** Abortions from areas that reported every year during 2004-2013 as a percentage of all reported abortions.

⁺⁺ This number is greater than reported in the 2006 report because of numbers subsequently provided by Louisiana.

^{§§} This number is greater than reported in the 2009 report because of numbers subsequently provided by Delaware.

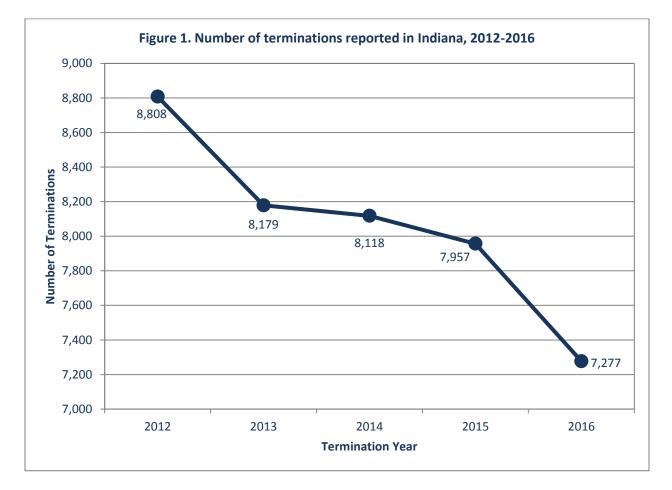
Indiana Reporting Requirements

Reports were submitted through the Indiana State Health Gateway Terminated Pregnancy Reporting Application (Appendix A). Upon submission, all reports were reviewed for completeness; completed reports were accepted and incomplete forms were rejected to the physician for correction.

The performance of, and reporting requirements for, terminated pregnancy in Indiana are governed by Indiana Code Title 16, Article 34, Chapter 2 (§ 16-34-2).³ The pertinent Indiana Code can be found in its entirety at https://iga.in.gov/legislative/laws/2016/ic/titles/016/articles/034/chapters/002/.

Trends in Indiana

During calendar year 2016, 7,277 pregnancy terminations were reported by physicians to the ISDH, at the time of analysis. Of these terminations, 6,767 (92.9%) were Indiana residents.



The decrease in the total number of terminations performed in Indiana from 2012 to 2016 can be seen in Figure 1.

Table 2 shows the number of terminations among Indiana residents of childbearing age and the associated rates from 2012 to 2016. As rates are only based on Indiana residents, data is also provided to identify the percentage of all terminations reported that were Indiana residents. The count used to determine the rate is the number of Indiana residents receiving terminations from all reported terminations in Indiana.

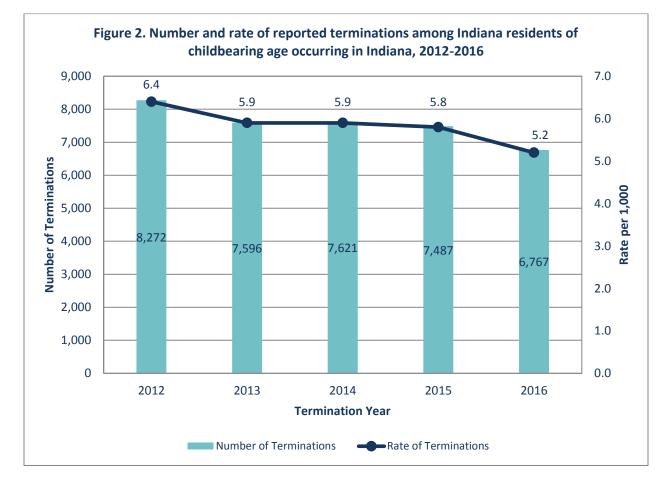
| Table 2. Number and rate of reported terminations among Indiana residents of childbearing age occurring in Indiana, 2012–2016 | | | | | | |
|---|-------|------------------|-------------------|----------------------|--|--|
| Year | Count | Population Est.§ | Rate ⁺ | Percent ¹ | | |
| 2012 | 8,272 | 1,287,150 | 6.4 | 93.9 | | |
| 2013 | 7,596 | 1,292,138 | 5.9 | 92.9 | | |
| 2014 | 7,621 | 1,295,431 | 5.9 | 93.9 | | |
| 2015 | 7,487 | 1,296,510 | 5.8 | 94.1 | | |
| 2016 | 6,767 | 1,296,510* | 5.2 | 93.0 | | |

[§] Estimation of females aged 15–44 that were Indiana residents during the specified year.⁴

* Estimation based on the most recent year available at the time of publication, 2015.

⁺ Rate per 1,000.

[¶] Percent of total terminations reported to the Indiana State Department of Health for the specified year.



For the past five years (2012-2016), the counts and rates of terminated pregnancy occurrences, regardless of residence, have decreased; the percentage of all terminations among Indiana residents has also dropped.

As seen in Figure 2, the total number of resident terminations from 2012 to 2016 decreased by approximately 1,500, resulting in a rate decrease of 1.2 terminations per 1,000 residents of childbearing age. From 2012 to 2016, the number of resident terminations decreased by 10.0%; a 5.05% decrease from 2015 to 2016 accounts for half of the total five-year decrease.

Methodology

The data and information presented in this report resulted from the statutory requirements established by Indiana Code § 16-34.³

Data Source

The data source for this report was the electronic Indiana State Health Gateway Terminated Pregnancy Reporting Application database. For the years 2012 through 2015, data was entered into this system by ISDH personnel from official reports received by mail. As of January 1, 2016, all reports are submitted to the ISDH through the system by external reporting entities.

Included in this report are analyses of demographic information provided by the patient, as well as medical information collected from reports. Demographic information is self-reported by the patient and includes:

- Age;
- Marital status;
- Education level;
- Race;
- Ethnicity;
- County of residence (if an Indiana resident);
- State of residence.

Some medically relevant information is also reported by the patient, including the number of previous live births living, the number of previous live births deceased, the number of previous spontaneous terminations, the number of previous induced terminations excluding the termination being reported, dates of all past terminations, spontaneous and induced, and the date last normal menses began.

Medical information collected on reports regarding the present termination is completed by the physician. This information includes:

- Date of termination;
- Fetus delivered alive;
- Length of fetal survival if delivered alive;
- Viability of fetus;
- Reason for termination if viable;
- Completion of a pathological examination of the fetus;
- Results if pathological examination performed;
- Procedure employed for termination;
- Complications of the termination;
- Result in maternal death;
- Estimated gestational age and/or post-fertilization age;
- Method used to determine gestational age.

Other information reported includes the name of the facility where the termination was completed, the city or town of termination, the county of termination, the physician's full name, address, and signature, and the name and age of the father, if known. Reports do not include personally identifiable information.

Measures

Measures in this report are primarily consistent with CDC categorizations and definitions. Aggregate counts of terminated pregnancies reported are for the following variables:

- Termination by month (Indiana resident, non-resident);
- Woman's age in years (10-14, 15-17, 18-19, 20-24, 25-29, 30-34, 35-39, 40-44, ≥ 45);
- Race (White, Black/African American, American Indian/Alaska Native, Pacific Islander/Native Hawaiian, Multiple Races, Other Race);
- Ethnicity (Hispanic/Latino, non-Hispanic/non-Latino, unknown);
- Marital status (married or unmarried);
- Education level (8th grade or less, 9th-12th grade but no diploma, high school diploma or GED, some college credit but no degree, Associate's Degree, Bachelor's Degree, Master's Degree, Doctoral or Professional Degree);
- Pregnancy history $(0, 1, 2, \ge 3)$;
- Procedure (Dilation & Evacuation, Mifepristone/Misoprostol, Suction Curettage, Medical (Non-Surgical), Menstrual Aspiration, Unknown);
- Facility (Facility where termination performed);
- Estimated gestational age in weeks at the time of termination (≤ 8, 9-13, 14-15, 16-17, 18-20);
- County of termination (county where termination performed);
- County of residence (Indiana residents only).

In addition to aggregate data, cross-tabulations are also provided in this report. Reported crosstabulations include age by race, adolescent age by race, procedure by facility type, and gestational age by procedure.

Figures are also shown for trending of data from 2012 to 2016 or to compare 2016 data across demographics. These figures demonstrate trends in age, race, ethnicity, marital status, education, pregnancy history, procedure, and gestational age.

Variables for race and ethnicity are based on specifications established by the Federal Office of Management and Budget (OMB). Women receiving terminations were asked to identify their ethnicity (i.e. Hispanic/Latino or non-Hispanic/non-Latino) and race. Race identification is based on five standard categories: White, Black/African American, Asian, American Indian/Alaska Native, and Pacific Islander/Native Hawaiian. If one of these OMB categories does not apply, women may identify as Other.²

Aggregate data for race is presented based on 1997 OMB standards; however, some analyses, such as cross-tabulations, were conducted with non-standard race categories. This change was made to provide a more accurate representation of the differences between races when analyzing particular variables.

| Table 3. Equivalence of race categories in this report | | | | |
|--|------------------------------|--|--|--|
| 1997 OMB Standards | Non-Standard Race Categories | | | |
| White | White | | | |
| Black / African American | Black | | | |
| Asian | Other | | | |
| American Indian / Alaska Native | Other | | | |
| Pacific Islander / Native Hawaiian | Other | | | |
| Other | Other | | | |

Analytic Procedures

Counts and percentages were calculated using SAS statistical software, version 9.4. Univariate and bivariate statistics are presented where applicable.

Ratios are not provided in this analysis due to the fact that Indiana's 2016 natality file will not be considered complete until mid-2017.

Some records were removed from the dataset for reasons such as duplication or incomplete procedures prior to analysis. There were records that were submitted as terminations; however, receipt of a new record informed the ISDH that the original procedure had been unsuccessful and a new procedure was conducted to complete the termination. In these cases, the initial record has been removed from the dataset, as a termination was not completed in association with the record, and the new record was maintained to account for a completed termination.



Results

During 2016, 7,277 terminations were reported to the ISDH. Of these terminations, 6,767 were residents of Indiana. The most recent U.S. Census data estimates that 1,296,510 women of childbearing age (15–44 years) lived in Indiana in 2015.⁴ Based on this estimation, the termination rate for Indiana residents in 2016 was 5.2 terminations per 1,000 women aged 15–44. Table 4 provides a breakdown of the number of terminations among resident and non-resident women who received terminations in Indiana in 2016 by month.

| Table 4. Terminations among resident and non-resident women in Indiana by Month, 2016 | | | | | |
|---|--------------------------------------|--|--|--|--|
| Month | Resident Terminations (n = 6,767) | Non-Resident Terminations (n = 510) | | | |
| January | 599 | 34 | | | |
| February | 607 | 49 | | | |
| March | 687 | 54 | | | |
| April | 661 | 35 | | | |
| May | 566 | 55 | | | |
| June | 552 | 61 | | | |
| July | 549 | 52 | | | |
| August | 530 | 28 | | | |
| September | 530 | 49 | | | |
| October | 476 | 33 | | | |
| November | 502 | 18 | | | |
| December | 508 | 42 | | | |

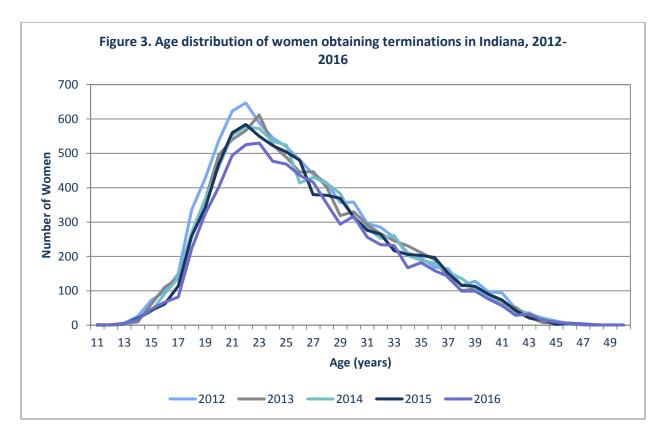
Demographic Information of Women Receiving Terminations

Demographic information collected and analyzed for this report includes age, race, ethnicity, marital status, and education level of the women receiving terminations in Indiana in 2016.

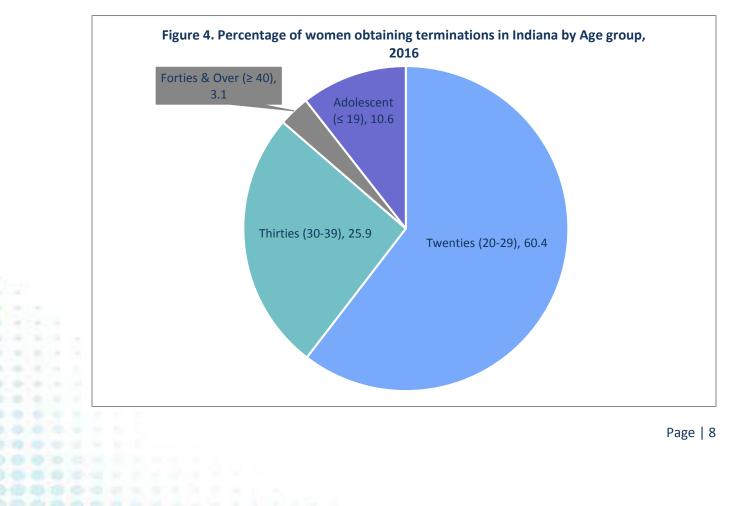
Age

The age range for women receiving terminations in Indiana in 2016 was 11 to 48 years. The average age of a woman who obtained a termination was 26.5 years (SD = 6.1 years), with a median age of 25 years.

| Table 5. Age distribution of women obtaining terminations in Indiana, 2016 | | | | |
|--|-------|---------|--|--|
| Age (years) | Count | Percent | | |
| 10-14 | 25 | 0.34 | | |
| 15-17 | 195 | 2.68 | | |
| 18-19 | 548 | 7.53 | | |
| 20-24 | 2,428 | 33.37 | | |
| 25-29 | 1,969 | 27.06 | | |
| 30-34 | 1,206 | 16.57 | | |
| 35-39 | 681 | 9.36 | | |
| 40-44 | 209 | 2.87 | | |
| ≥ 45 | 16 | 0.22 | | |
| Total | 7,277 | 100.0 | | |



Approximately 60% of terminations were performed for women in their twenties (20–29 years). Women aged forty and older had the smallest percentage of terminations, 3.09%.

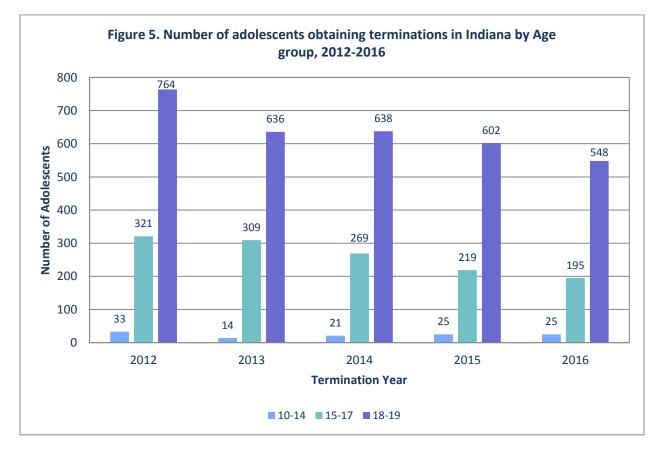


| | | | R | lace | | | |
|-----------------------|-------|---------|-------|---------|-------|---------|-------|
| Age Group | W | /hite | Black | | Other | | Total |
| | Count | Percent | Count | Percent | Count | Percent | |
| Adolescent (≤ 19) | 463 | 60.29 | 210 | 27.34 | 95 | 12.37 | 768 |
| Twenties (20-29) | 2,446 | 55.63 | 1,398 | 31.79 | 553 | 12.58 | 4,397 |
| Thirties (30-39) | 1,076 | 57.02 | 530 | 28.09 | 281 | 14.89 | 1,887 |
| Forties & Over (≥ 40) | 146 | 64.89 | 47 | 20.89 | 32 | 14.22 | 225 |
| Total | 4,131 | • | 2,185 | • | 961 | | 7,277 |

For each age group, more than half of the women were white. Based on cross-tabulation of age group by race, white women in their twenties received the most terminations in Indiana in 2016.

Adolescents

Adolescents, defined as females under age 20, accounted for 10.6% of terminations in Indiana in 2016. Females aged 18-19 were the most likely group of adolescents to receive terminations (71.35%) compared to those aged 15-17 (25.39%) and 10-14 (3.26%). This aligns with CDC's 2013 analysis, which identified that 18- to 19-year-olds accounted for 67.2% of adolescent terminations.¹



Among adolescents, white females were more likely to obtain a termination in Indiana, accounting for 60.29% of adolescent terminations in 2016. Black females accounted for 27.34% of adolescent terminations, while adolescents identifying as multiple races and other race accounted for 0.78% and 11.59%, respectively.

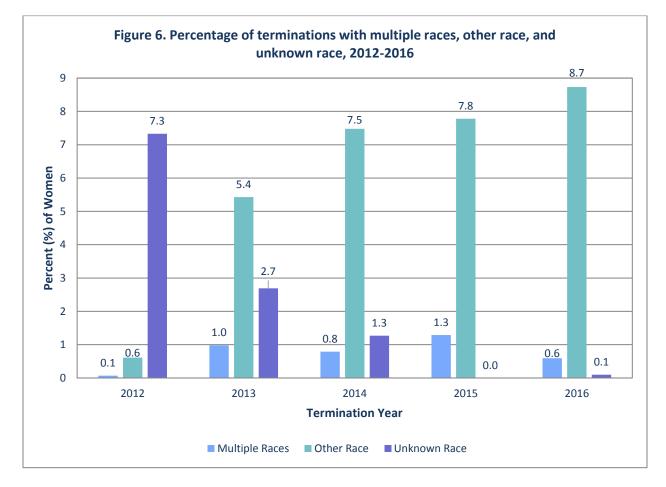
| Table 7. Age of adolescents obtaining terminations in Indiana by Race, 2016 | | | | | | | | | |
|---|----------------------------------|---------|-------|---------|-------|---------|-------|---------|-----|
| | Race | | | | | | | | |
| Age Group | White Black Multiple Races Other | | | | | | Total | | |
| | Count | Percent | Count | Percent | Count | Percent | Count | Percent | |
| 10–14 | 18 | 72.00 | 2 | 8.00 | 1 | 4.00 | 4 | 16.00 | 25 |
| 15–17 | 129 | 66.15 | 54 | 27.69 | 0 | 0.00 | 12 | 6.15 | 195 |
| 18–19 | 316 | 57.66 | 154 | 28.10 | 5 | 0.91 | 73 | 13.32 | 548 |
| Total | 463 | | 210 | | 6 | | 89 | | 768 |

Race and Ethnicity

The largest percentage of women reported their race as white, accounting for 56.77% of all records in 2016; 30.03% of women identified their race as black. The rates of reported white and black races have remained consistent since 2012. Women who marked more than one race checkbox on the report were classified under the multiple race category for this analysis.

| Table 8. Race of women obtaining terminations in Indiana, 2016 | | | | | |
|--|-------|---------|--|--|--|
| Race | Count | Percent | | | |
| White | 4,131 | 56.77 | | | |
| Black / African American | 2,185 | 30.03 | | | |
| Asian | 238 | 3.27 | | | |
| Pacific Islander / Native Hawaiian | 13 | 0.18 | | | |
| American Indian / Alaska Native | 25 | 0.34 | | | |
| Multiple Races | 43 | 0.59 | | | |
| Other | 635 | 8.73 | | | |
| Unknown | 7 | 0.10 | | | |
| Total | 7,277 | 100.0 | | | |





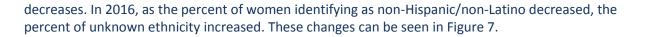
The multiple race, other, and unknown categories have shown fluidity since 2012. As seen in Figure 6, the multiple race category continues to fluctuate, but remains low. As the percentage of unknown race has decreased drastically, the percentage of other race has increased.

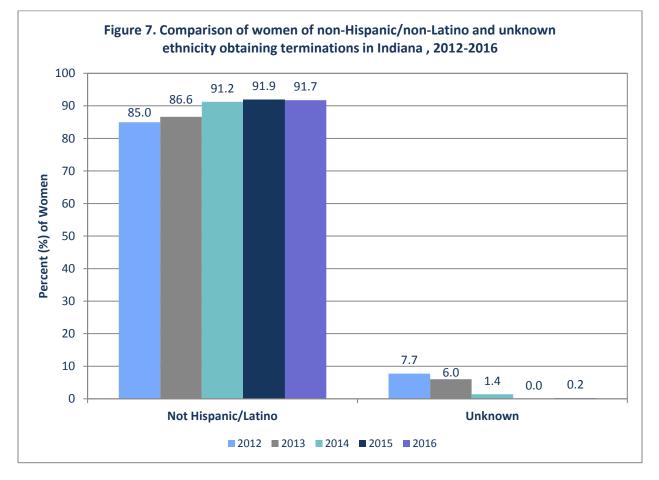
Regarding ethnicity, 8.09% of women receiving a termination in Indiana self-identified as being either Hispanic or Latino in 2015 compared to 7.4% in 2014. In 2013, 7.37% of women reported as either Hispanic or Latino and 7.28% reported as such in 2012.

The 2016 data illustrates little change in the percentage of women receiving terminations that identify as Hispanic or Latino.

| Table 9. Ethnicity of women obtaining terminations in Indiana, 2016 | | | | | | |
|---|-----------------------|-------|--|--|--|--|
| Ethnicity | hnicity Count Percent | | | | | |
| Hispanic / Latino | 585 | 8.04 | | | | |
| Non-Hispanic / Non-Latino | 6,675 | 91.73 | | | | |
| Ethnicity Unknown | 17 | 0.23 | | | | |
| Total | 7,277 | 100.0 | | | | |

The number of women reported as Hispanic or Latino has increased slightly from 2012 to 2016. The number of women reporting as non-Hispanic/non-Latino and the number with unknown ethnicity appear to be inversely related; if the percent of non-Hispanic/non-Latino increases, unknown ethnicity



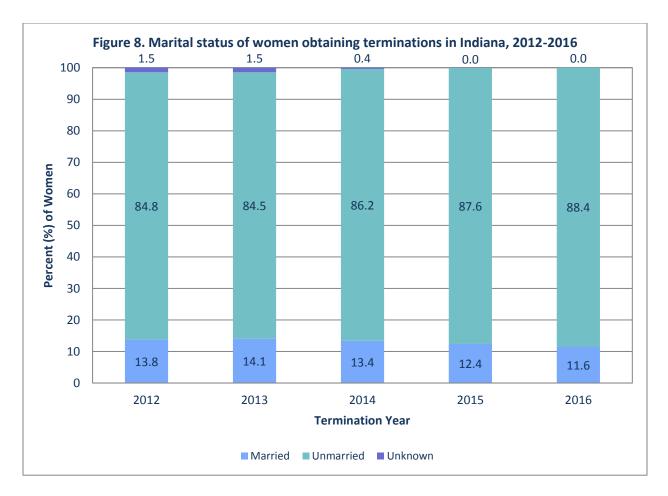


Marital Status

Of the women receiving terminations in 2016, 88.44% were unmarried and 11.56% were married.

| Table 10. Marital status of women obtaining terminations in Indiana, 2016 | | | | |
|---|---------------|-------|--|--|
| Marital Status | Count Percent | | | |
| Married | 841 | 11.56 | | |
| Unmarried | 6,436 | 88.44 | | |
| Total | 7,277 | 100.0 | | |

The percentages of married and unknown marital status among women receiving terminations in Indiana have both decreased since 2013; inversely, the percentage of unmarried women obtaining terminations has increased. The trend in marital status can be seen in Figure 8.

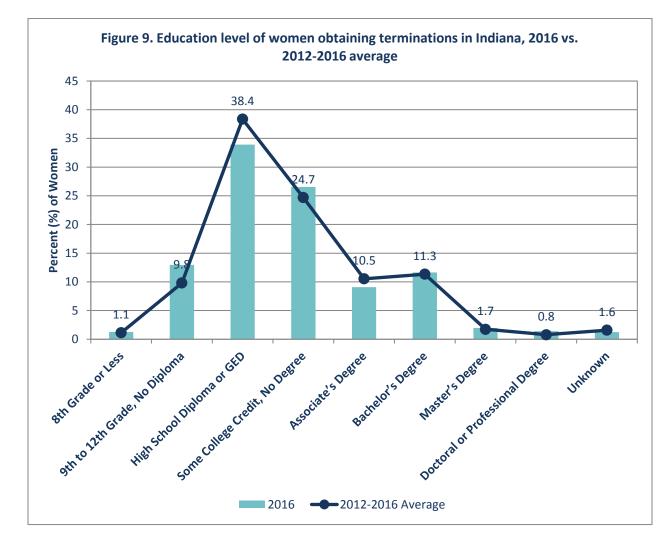


Education Level

In 2016, 33.92% of women reported a high school diploma or General Educational Development (GED) as the highest level of education they completed. The second-most-identified education level was some college credit, but no college degree, accounting for 26.54% of reported education levels.

| Table 11. Education level of wom | en obtaining terminations in Inc | liana, 2016 |
|----------------------------------|----------------------------------|-------------|
| Education Level | Count | Percent |
| 8th Grade or Less | 93 | 1.28 |
| 9th to 12th Grade, No Diploma | 943 | 12.96 |
| High School Diploma or GED | 2,468 | 33.92 |
| Some College Credit, No Degree | 1,931 | 26.54 |
| Associate's Degree | 660 | 9.07 |
| Bachelor's Degree | 846 | 11.63 |
| Master's Degree | 144 | 1.98 |
| Doctoral or Professional Degree | 102 | 1.40 |
| Unknown | 90 | 1.24 |
| Total | 7,277 | 100.0 |

Figure 9 shows a graphical representation of the highest level of education achieved by women obtaining terminations in 2016 compared to the average for 2012 to 2016. Women having received their high school diploma or GED were consistently more likely to obtain a termination over the five-year period, 2012 to 2016. Women with no more than an eighth grade education or an advanced degree were much less likely to receive terminations.



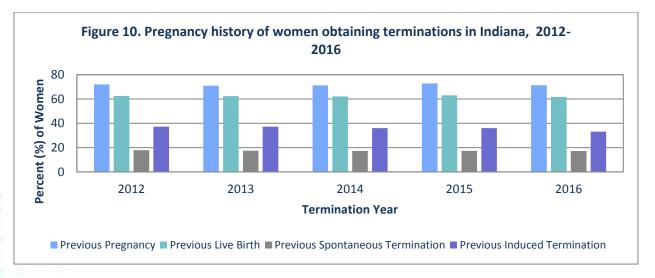


Pregnancy History of Women Receiving Terminations

The number of previous pregnancies was calculated by adding the values reported for previous live births living, previous live births deceased, previous spontaneous terminations, and previous induced terminations. The number of previous live births was calculated by combining the reported values for previous live births living and previous live births deceased.

| Table 12. Pregnancy history of women | n obtaining terminations in Ind | liana, 2016 |
|--------------------------------------|---------------------------------|-------------|
| Pregnancy History | Count | Percent |
| Previous pregnancies | | |
| 0 | 2,089 | 28.71 |
| 1 | 1,483 | 20.38 |
| 2 | 1,375 | 18.90 |
| ≥ 3 | 2,330 | 32.02 |
| Previous live births | | |
| 0 | 2,791 | 38.35 |
| 1 | 1,853 | 25.46 |
| 2 | 1,531 | 21.04 |
| ≥ 3 | 1,102 | 15.14 |
| Previous spontaneous terminations | | |
| 0 | 6,021 | 82.74 |
| 1 | 971 | 13.34 |
| 2 | 215 | 2.95 |
| ≥ 3 | 70 | 0.96 |
| Previous induced terminations | | |
| 0 | 4,868 | 66.90 |
| 1 | 1,605 | 22.06 |
| 2 | 551 | 7.57 |
| ≥ 3 | 253 | 3.48 |

The trend of pregnancy history is consistent for the five-year period from 2012 to 2016. The percentage of women receiving terminations who had a previous pregnancy, live birth, spontaneous termination, or induced termination averaged 71.6%, 62.3%, 17.4%, and 35.9%, respectively, over the five-year period.



As seen in Figure 11, among women with at least one previous pregnancy, white women have the greatest number of all pregnancy history outcomes; however, spontaneous terminations were more common than live births or induced terminations. Among black women, induced terminations were more frequent than live births or spontaneous terminations; all other race categories showed similar percentages between previous pregnancies and live births, and spontaneous and induced terminations, respectively.

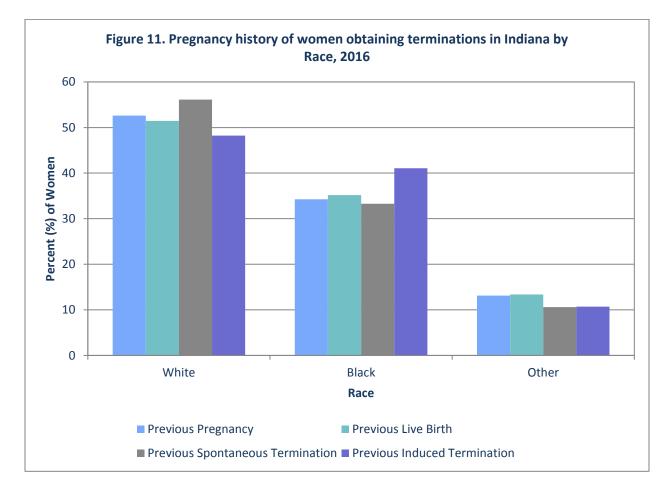
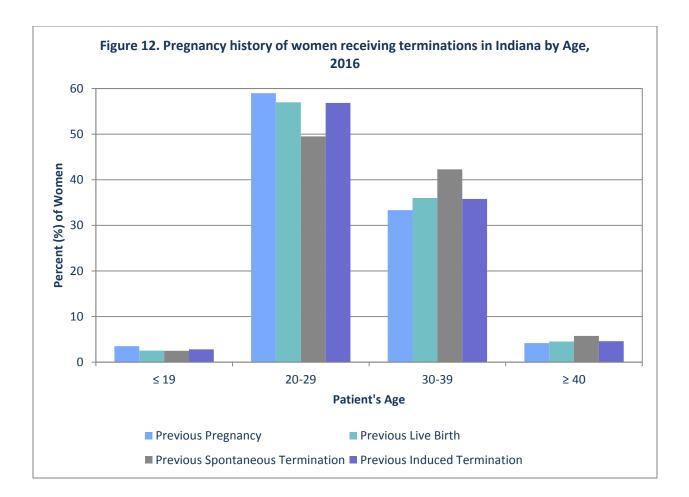


Figure 12 further shows that women in their twenties (20–29) had the highest percentages for all pregnancy history outcomes. Women under 30 had greater numbers of pregnancies, live births, and induced terminations than spontaneous terminations. Women in their thirties and over had a higher occurrence of spontaneous terminations than other outcomes.



Medical Information of Women Receiving Terminations

Medical information analyzed and presented in this report includes the procedure used to terminate a pregnancy, the facility type where the termination occurred, and the gestational age of the fetus at the time of termination.

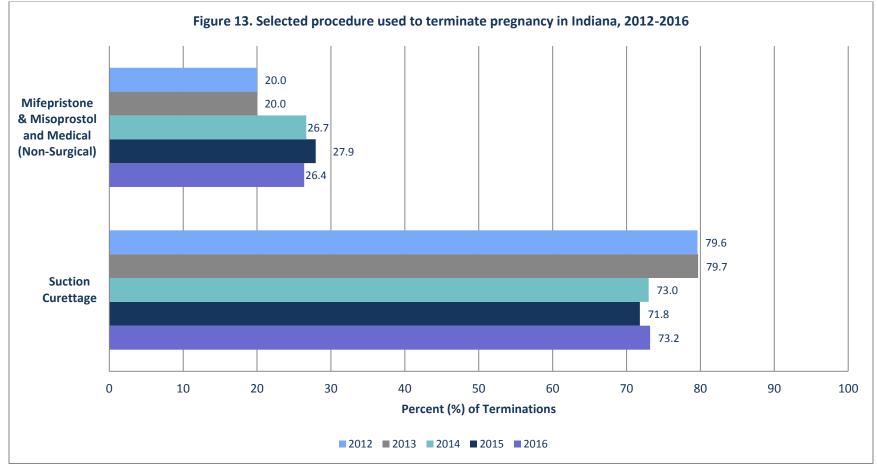
Procedure and Facility Type

Four procedures were reported as having been used to terminate a pregnancy in 2016 in Indiana: Dilation and Evacuation (D&E), menstrual aspiration, medication combination of Mifepristone & Misoprostol, and suction curettage. Although D&E is not a specific field to be selected on the reporting system, all procedures reported as medical (surgical) specified D&E as the procedure used for termination.

Suction curettage was the most commonly employed technique in 2016, accounting for 73.2% of terminations. Administration of the pharmaceuticals Mifepristone & Misoprostol was the second most commonly used technique, accounting for 26.37% of terminations.

The use of Mifepristone & Misoprostol, or another medical (non-surgical) procedure decreased in 2016 for the first time in five years; the use of suction curettage increased in 2016. The rate of use for D&E and menstrual aspiration have remained consistent since 2012.

| Dresedure | 2016 | | 20 | 2015 | | 2014 | | 2013 | | 012 |
|----------------------------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| Procedure | Count | Percent |
| Dilation & Evacuation | 27 | 0.37 | 19 | 0.24 | 27 | 0.33 | 23 | 0.28 | 29 | 0.33 |
| Mifepristone & Misoprostol | 1,919 | 26.37 | 2,222 | 27.93 | 2,165 | 26.67 | 1,631 | 19.94 | 160 | 1.82 |
| Suction Curettage | 5,327 | 73.20 | 5,713 | 71.80 | 5,926 | 73.00 | 6,519 | 79.70 | 7,011 | 79.60 |
| Medical (Non-Surgical) | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 1 | 0.01 | 1,601 | 18.18 |
| Menstrual Aspiration | 4 | 0.05 | 3 | 0.04 | 0 | 0.00 | 3 | 0.04 | 5 | 0.06 |
| Unknown | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 2 | 0.02 | 2 | 0.02 |
| Total | 7,277 | • | 7,957 | | 8,118 | • | 8,179 | • | 8,808 | |



As of January 1, 2016, six abortion clinics were licensed in Indiana. Of the 7,277 procedures performed in the state, 99.45% were performed at abortion clinics and 0.55% at acute care hospitals.

Table 14 provides a breakdown of the number of terminations performed by each reporting facility in 2016.

| Table 14. Termin | ations reported in Indiana by Facility, 20 | 016 | 1 | 1 |
|--------------------|---|---|-------|---------|
| Facility Type | Facility Name | Facility Address | Count | Percent |
| | Clinic for Women | 3607 W. 16 th St. Indianapolis | 682 | 9.37 |
| | Clinic for Women3607 W. 16th St. Indianapolis6829.IndianapolisIndianapolis1,2521IndianapolisAve. Indianapolis1,2521Planned Parenthood of Indiana and Kentucky – Indianapolis8590 Georgetown Rd. Indianapolis2,83733Planned Parenthood of Indiana and | 17.20 | | |
| Ale antiana Olimia | | - | 2,837 | 38.99 |
| Abortion Clinic | | ood of Indiana and napolis8590 Georgetown Rd. Indianapolis2,83738.99ood of Indiana and nington421 S. College Ave. Bloomington1,01613.96 | | |
| | | | 172 | 2.36 |
| | Planned Parenthood of Indiana and Kentucky – Merrillville | 8645 Connecticut St. Merrillville | 1,278 | 17.56 |
| Acute Care | Indiana University Health Methodist Hospital | 1701 Senate Blvd. Indianapolis | 7 | 0.10 |
| Hospital | Sidney & Lois Eskenazi Hospital | 720 Eskenazi Ave. Indianapolis | 33 | 0.45 |
| Total | | · | 7,277 | 100.0 |

Terminations at abortion clinics accounted for 99.45% of procedures, as well as 100% of terminations using Mifepristone & Misoprostol, and 99.81% of terminations employing suction curettage. All surgical terminations (D&E) were performed at acute care hospitals. Menstrual aspiration was performed at both abortion clinics (25%) and acute care hospitals (75%) in 2016.

| Table 15. Procedure used to to | erminate pregi | nancy in Indian | a by Facility | type, 2016 | | |
|--------------------------------|----------------|-----------------|---------------|---------------------|-------|--|
| | | Faci | lity Type | | | |
| Procedure | Abo | rtion Clinic | Acute | Acute Care Hospital | | |
| | Count | Percent | Count | Percent | | |
| Dilation & Evacuation | 0 | 0.00 | 27 | 100.0 | 27 | |
| Menstrual Aspiration | 1 | 25.00 | 3 | 75.00 | 4 | |
| Mifepristone/Misoprostol | 1,919 | 100.0 | 0 | 0.00 | 1,919 | |
| Suction Curettage | 5,317 | 99.81 | 10 | 0.19 | 5,327 | |
| Total | 7,237 | | 40 | | 7,277 | |

Performance of the least invasive procedures in non-clinic settings has remained consistent since 2012. This trend is clearly seen when reviewing the use of Mifepristone & Misoprostol at abortion clinics and D&E at acute care hospitals. No terminations were reported from ambulatory surgical centers, other clinics, or physician offices in 2016.

Estimated Gestational Age

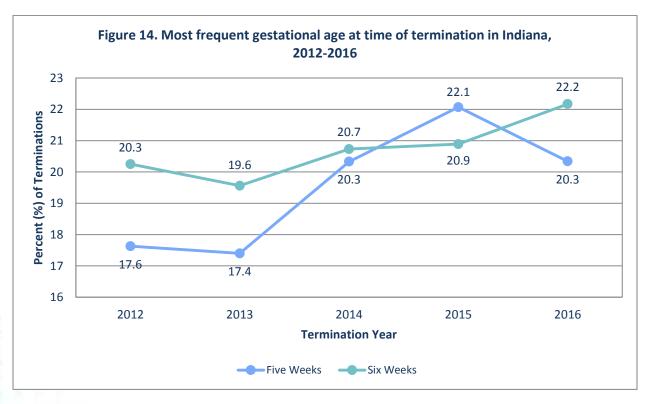
Indiana Code dictates that the gestation of the fetus is determined by the physician's determination of post-fertilization age; as such, estimated gestational age, in weeks, is based on this value. In the absence of post-fertilization age, estimated gestational age was used for gestational age analyses.

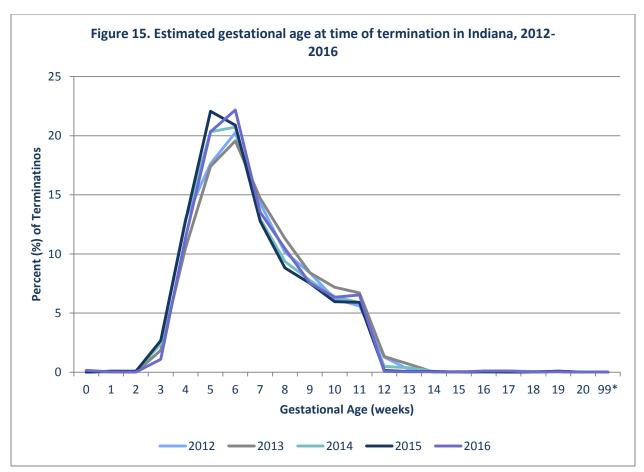
The gestational age range was 0 to 19 weeks, with an average gestational age of 6.7 weeks (SD = 2.14 weeks) and a median gestational age of 6 weeks.

In Indiana, 79.18% of terminations occurred prior to the ninth week of pregnancy, 20.52% occurred during the 9-13 week timeframe, and those more than 13 weeks accounted for less than 1 percent of terminations in 2016. Data from 2012 to 2015 show a similar trend, with 77.99% (2012), 75.41% (2013), 78.82% (2014), and 80.21% (2015) of terminations occurring prior to week nine.

| Table 16. Estimated gestational age at time of termination in Indiana, 2016 | | | | | | |
|---|-------|---------|--|--|--|--|
| Weeks of Gestation | Count | Percent | | | | |
| ≤ 8 | 5,762 | 79.18 | | | | |
| 9-13 | 1,493 | 20.52 | | | | |
| 14-15 | 4 | 0.05 | | | | |
| 16-17 | 14 | 0.19 | | | | |
| 18-20 | 4 | 0.05 | | | | |
| Total | 7,277 | 100.0 | | | | |

During 2016, gestational age of six weeks was reported most frequently by physicians, accounting for 22.17%, while five weeks was reported for 20.34% of terminations; this reflects a return to the trend of gestational age frequency seen for the period 2012 to 2014. In 2015, a shift in the most frequent gestational age at termination was seen. The shifts can be seen in Figures 14 and 15.





* Indicates percentage of terminations where the gestation age in weeks was not provided on the report.

Of the terminations that were completed at more than 13 weeks gestation, 100% were D&E. Suction curettage accounted for 73.2% of terminations 13 weeks or less; 26.37% of procedures at thirteen weeks or less were completed with Mifepristone & Misoprostol. All menstrual aspirations were performed under eight weeks.

| 2016 | Simated | gestation | al age all | iong worm | | | | | Frocedure, |
|-----------------------------|---|-----------|-------------------------------|-----------|----------------------|---------|-------|---------|------------|
| | | | | Proc | edure | | | | |
| Weeks of Gestation Co | Dilation & Menstrual Evacuation Aspiration | | Mifepristone & Misoprostol | | Suction Curettage | | Total | | |
| | Count | Percent | Count | Percent | Count | Percent | Count | Percent | |
| ≤ 8 | 0 | 0.00 | 4 | 0.07 | 1,914 | 33.22 | 3,844 | 66.71 | 5,762 |
| 9-13 | 5 | 0.33 | 0 | 0.00 | 5 | 0.33 | 1,483 | 99.33 | 1,493 |
| 14-15 | 4 | 100.0 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 4 |
| 16-17 | 14 | 100.0 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 14 |
| 18-20 | 4 | 100.0 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 4 |
| Total | 27 | | 4 | | 1,919 | | 5,327 | | 7,277 |

Table 17. Estimated gestational age among women obtaining terminations in Indiana by Procedure,

Geographic Information of Women Receiving Terminations

Geographic information provided on terminated pregnancy reports consists of the county where the termination was performed, and the state and county of the woman's residence.

County of Termination

In 2016, reported terminations were performed in four counties: Lake, Marion, Monroe, and Tippecanoe. Of these, Marion County had the most, accounting for 66.11% of terminations; Tippecanoe County had the fewest, accounting for only 2.36% of terminations.

| Table 18. County where termin | ation performed in Indiana, 20 | 016 |
|-------------------------------|--------------------------------|---------|
| County of Termination | Count | Percent |
| Lake | 1,278 | 17.56 |
| Marion | 4,811 | 66.11 |
| Monroe | 1,016 | 13.96 |
| Tippecanoe | 172 | 2.36 |
| Total | 7,277 | 100.0 |

Marion County continues to see the most terminations, with 61.51% in 2012, 63.08% in 2013, 64.24% in 2014, and 63.1% in 2015. During the past five years, over 25,000 terminations have been performed in Marion County. Marion County has reported 3.83 times more procedures in the five-year period 2012 to 2016 than the second most frequent county of termination, Lake County.

| Table 19. Number o | of termination | is in Indiana b | y County of o | ccurrence, 20 | 12-2016 | |
|--------------------------|----------------|-----------------|---------------|---------------|---------|--------|
| County of Termination | 2012 | 2013 | 2014 | 2015 | 2016 | Total |
| Allen | 263 | 353 | 0 | 0 | 0 | 616 |
| Hamilton | 2 | 0 | 0 | 2 | 0 | 4 |
| Lake | 1,678 | 1,231 | 1,228 | 1,275 | 1,278 | 6,690 |
| Marion | 5,418 | 5,159 | 5,215 | 5,021 | 4,811 | 25,624 |
| Monroe | 811 | 753 | 718 | 822 | 1,016 | 4,120 |
| St. Joseph | 555 | 618 | 788 | 578 | 0 | 2,539 |
| Tippecanoe | 81 | 65 | 169 | 259 | 172 | 746 |



County of Residence

In 2016, 6,767 terminations were reported among Indiana residents. County of residence was only analyzed for women who were Indiana residents. Table 20 breaks down the number of terminations by county of residence and age (less than 20 and at least 20), for the counties that accounted for at least 1 percent of the total number of residential women.

| Table 20. County of residence of | of Indiana residents rec | eiving terminatior | is in Indiana by Age, 2016 |
|----------------------------------|--------------------------|--------------------|----------------------------|
| County of Residence* | Cou | unt | Percent of All Residents |
| County of Residence | Adolescent (< 20) | Adult (≥ 20) | Percent of All Residents |
| Allen | 27 | 262 | 4.27 |
| Bartholomew | 7 | 82 | 1.32 |
| Delaware | 12 | 92 | 1.54 |
| Elkhart | 10 | 82 | 1.36 |
| Hamilton | 22 | 250 | 4.02 |
| Hendricks | 9 | 116 | 1.85 |
| Howard | 11 | 75 | 1.27 |
| Johnson | 16 | 159 | 2.59 |
| Lake | 59 | 537 | 8.81 |
| LaPorte | 20 | 96 | 1.71 |
| Madison | 22 | 116 | 2.04 |
| Marion | 190 | 2,251 | 36.07 |
| Monroe | 23 | 209 | 3.43 |
| Porter | 24 | 123 | 2.17 |
| St. Joseph | 13 | 148 | 2.38 |
| Tippecanoe | 32 | 196 | 3.37 |
| Vanderburgh | 22 | 101 | 1.82 |
| Vigo | 14 | 95 | 1.61 |

* Counties that accounted for at least one percent of the total number of residential women.

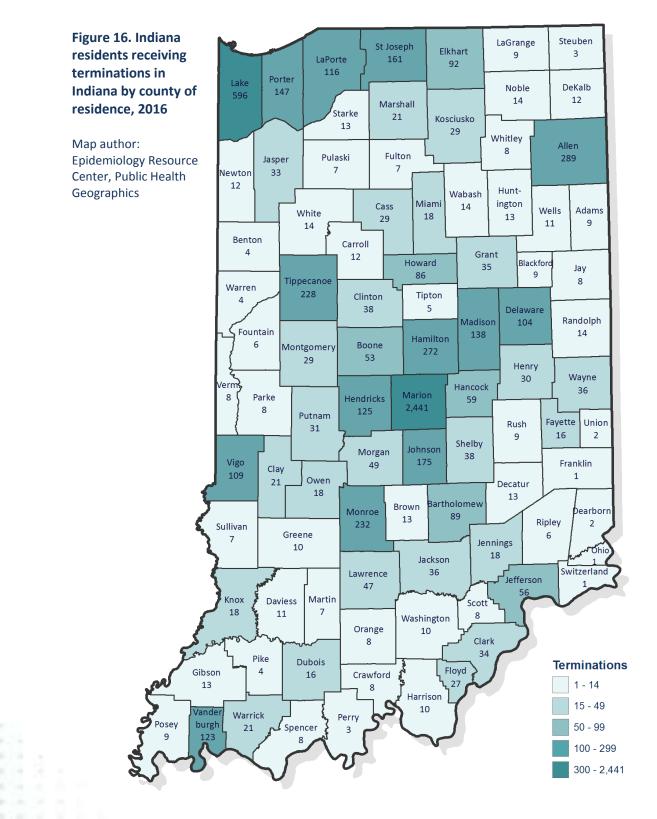
Similar to the occurrence of terminations by county, Marion County also had the largest number of female residents obtaining terminations in 2016 (36.07%). Lake County accounted for 8.81% of residential terminations, while Monroe and Tippecanoe counties each accounted for just over 3% of residential terminations. Allen and Hamilton county residents accounted for just over 4% of resident terminations each in 2016; facilities reporting terminations have previously been located in both counties.

Table 21 provides a breakdown of the number of residents from each Indiana county that received terminations in 2016. Similar to county of occurrence, Marion County was the most frequent residence county, with approximately four times as many residents receiving terminations than the second most common county of residence, Lake.

| County of Residence | Count | County of Residence | Count | County of Residence | Count |
|----------------------------|-------|---------------------|-------|---------------------|-------|
| Adams | 9 | Hendricks | 125 | Pike | 4 |
| Allen | 289 | Henry | 30 | Porter | 147 |
| Bartholomew | 89 | Howard | 86 | Posey | 9 |
| Benton | 4 | Huntington | 13 | Pulaski | 7 |
| Blackford | 9 | Jackson | 36 | Putnam | 31 |
| Boone | 53 | Jasper | 33 | Randolph | 14 |
| Brown | 13 | Jay | 8 | Ripley | 6 |
| Carroll | 12 | Jefferson | 56 | Rush | 9 |
| Cass | 29 | Jennings | 18 | St. Joseph | 161 |
| Clark | 34 | Johnson | 175 | Scott | 8 |
| Clay | 21 | Кпох | 18 | Shelby | 38 |
| Clinton | 38 | Kosciusko | 29 | Spencer | 8 |
| Crawford | 8 | LaGrange | 9 | Starke | 13 |
| Daviess | 11 | Lake | 596 | Steuben | 3 |
| Dearborn | 2 | LaPorte | 116 | Sullivan | 7 |
| Decatur | 13 | Lawrence | 47 | Switzerland | 1 |
| DeKalb | 12 | Madison | 138 | Tippecanoe | 228 |
| Delaware | 104 | Marion | 2,441 | Tipton | 5 |
| Dubois | 16 | Marshall | 21 | Union | 2 |
| Elkhart | 92 | Martin | 7 | Vanderburgh | 123 |
| Fayette | 16 | Miami | 18 | Vermillion | 8 |
| Floyd | 27 | Monroe | 232 | Vigo | 109 |
| Fountain | 6 | Montgomery | 29 | Wabash | 14 |
| Franklin | 1 | Morgan | 49 | Warren | 4 |
| Fulton | 7 | Newton | 12 | Warrick | 21 |
| Gibson | 13 | Noble | 14 | Washington | 10 |
| Grant | 35 | Ohio | 1 | Wayne | 36 |
| Greene | 10 | Orange | 8 | Wells | 11 |
| Hamilton | 272 | Owen | 18 | White | 14 |
| Hancock | 59 | Parke | 8 | Whitley | 8 |
| Harrison | 10 | Perry | 3 | Total | 6,767 |

Table 21. Number of Indiana residents receiving terminations in Indiana by County of residence,2016

Figure 16 provides a graphical representation of the number of Indiana residents receiving terminations in Indiana, by their county of residence.



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Discussion

This report identifies consistencies and trends among women obtaining pregnancy terminations in Indiana by exploring new data from 2016 in conjunction with retrospective data from 2012 to 2015. A 5.05% decrease in reported terminations occurred from 2015 to 2016, with a 10.0% decrease seen for the five-year period since 2012.

In 2016, the largest portion of pregnancy terminations reported were among women in their twenties (60.42%). Women were also more likely to identify as white (56.77%), not Hispanic or Latino (91.73%), and unmarried (88.44%). The most frequently reported education levels were completion of a high school diploma or GED (33.92%) or some college credit, but no degree (26.54%).

Women in their twenties (20–29) were identified as having the highest numbers of previous pregnancies, previous live births, previous spontaneous terminations, and previous induced terminations, when compared to all other age groups. Regardless of age group, 82.74% of women reported no previous spontaneous terminations and 66.9% of women reported no previous induced terminations.

The use of Mifepristone & Misoprostol or another medical (non-surgical) procedure decreased in 2016 for the first time in five years, while the use of suction curettage increased. The majority of terminations in 2016 were performed in licensed abortion clinics (99.45%), and terminations with reported gestational age less than nine weeks accounted for 79.18% of reports.

Marion County was reported as the most common county of termination (66.11%) as well as the most common county of residence (36.07%), for Indiana residents. Lake County was identified as second most common for terminations and residency, accounting for 17.56% of all terminations and 8.81% of Indiana residents.

This report has some limitations. Due to the fact that demographic and pregnancy history are reported by the women receiving terminations, the information is subject to bias. There is also the possibility that women who required a second procedure to complete the termination were reported as a new record, or they attended a different facility to complete the procedure; each of these scenarios would lead to an increase in the number of terminations reported to the ISDH. A third scenario may increase the number of reported terminations if the woman had an incomplete procedure but chose not to return for followup, instead choosing to have the child, because the reported termination would have been incomplete. Finally, all data is obtained from reported terminated pregnancies; as such, there is the possibility for terminations to occur of which the ISDH is not informed and cannot be included in this report.

Appendix A: Terminated Pregnancy Reporting System

| Patient's Age | Married | • | If the facility na address are in please contact Registrar Help 233-7989. | correct, t the Electronic | | | |
|--|--|---|---|-----------------------------------|---|----------------------|-------|
| Patient's Age | Married | | | | | | |
| | | © No | Date of | Termination * | | ucation | |
| Race American Indian or Alaska Native Native Hawaiian or Pacific Islander Unknown | 🗟 Asian | Black or / Other | African American | | Ethnicity Hispanic or Not Hispan Unknown | | |
| Live Births Number now living: Number now deceased: | | Other Terminations Spontaneous Termin Induced Termination | ations: | | | | |
| Previous Termination Dates 1) • • • 2) • • • • | | 3) • 4) • | • | Unknown | 5) | | • |
| Fetus delivered alive? | | Fetus viable? | 5 | | Pathological exa | m? No | |
| | | | | Other Did this termination Yes No | | sult in a maternal d | eath? |
| Date last normal menses began | 🗍 🗐 Unknown | Physician estimate | 1999 - TAN | | Postfertilization (in we | | |
| How were the gestational age and po | ostfertilization age | e determined? | | | | | |
| Physician * DR. PIN: *PIN is required to submit report. Address | Patient Identificatio State of Re County of I | | NA - | Age: | | Ur | |
| | Zip Code: | | | Date Subr | nitted: | | |
| | | | | | | | 1 |

Appendix B: Glossary

Childbearing years: The reproductive age span of women, assumed for statistical purposes to be 15–44 or 15–49 years of age.¹⁰

Dilation & Evacuation (D&E): Dilation & evacuation is a surgical abortion that is typically performed midway during the second trimester of pregnancy and in which the uterine cervix is dilated and fetal tissue is removed using surgical instruments (as a forceps and curette) and suction. It is also referred to as D&E.⁵

Induced abortion: An intentional termination of pregnancy before the fetus has developed enough to live if born. From 20% to 50% of pregnancies are terminated deliberately at the request of the mother or for medical indications, during the first trimester by vacuum aspiration and/or curettage or during the second trimester by dilation and evacuation, induction of labor, or hysterotomy.¹¹ This report references induced terminations regarding pregnancy history.

Terminated pregnancy or abortion: "Abortion" means the termination of human pregnancy with an intention other than to produce a live birth or to remove a dead fetus. The term includes abortions by surgical procedures and by abortion inducing drugs (IC § 16-18-2-1).³

Mifepristone (RU-486): RU-486, also known as Mifepristone, is a drug taken orally to induce abortion, especially early in pregnancy, by blocking the body's use of progesterone. The chemical formula for Mifepristone is $C_{29}H_{35}NO_2$.⁶ Mifepristone may also be identified by the proprietary names Korlym[®] and Mifeprex[®].⁸

Misoprostol: Misoprostol is a synthetic prostaglandin analog used to induce abortion in conjunction with RU-486 and to prevent stomach ulcers associated with nonsteroidal anti-inflammatory drug (NSAID) use. The chemical formula for Misoprostol is $C_{22}H_{38}O_{5.}^{7}$

Pregnancy history: Pregnancy history is a calculated variable that is the sum of the number of previous live births, the number of previous spontaneous terminations, and the number of previous induced terminations.

Previous live births: The number of previous live births is a calculated variable that is the sum of the number of previous live births living and previous live births deceased.

Rate: The number of terminations per 1,000 women aged 15–44 years estimated as living in Indiana. Terminations where age was unknown were excluded from the numerator.

Spontaneous abortion or miscarriage: A termination of pregnancy before the twentieth week of gestation as a result of abnormalities of the conceptus or maternal environment. Up to 30% of pregnancies may end as spontaneous abortions, many caused by blighted ova that have congenital defects incompatible with life.¹¹ This report references spontaneous terminations regarding pregnancy history.

Suction curettage or vacuum aspiration: A method of removing tissues from the uterus by suction for diagnostic purposes or to remove elements of conception. With the patient under local or light general anesthesia, the cervix is dilated, and the uterus is emptied with suction.¹¹

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