# Florida Actual versus Expected Teen Births and Repeat Teen Births By County 2015 through 2017 

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## Introduction

In the United States, teen birth rates have reached historic lows [1]. In Florida, a total of 10,709 babies were born to teens aged 15-19 years in 2017 for a live birth rate of 18.5 per 1,000 teens in this age group. Furthermore, birth rates fell 12.1\% for teens aged 15-17 years and 3.8\% for teens aged 18-19 years [2]. Although reasons for the decline cannot be fully explained, according to the Centers for Disease Control and Prevention (CDC), teens appear to be less sexually active, and those teens who are sexually active seem to be using birth control more effectively [3].

While teen birth rates have declined, teen pregnancy prevention continues to be a public health priority. Studies show that pregnant teens are more likely to receive late or no prenatal care, have gestational hypertension and anemia, and have inadequate maternal weight gain [4]. Teens are also more likely to have a pre-term delivery and a low birthweight baby, increasing the risk of child developmental delay, illness, and mortality [5]. Additionally, teen mothers are less likely than their peers to complete high school and more likely to live below the poverty level and rely on public assistance [6]. The Department of Health's Family Planning program plays a key role in the prevention of unintended or unwanted pregnancy, including teen pregnancy.

The purpose of this annual analysis is to identify geographic areas in Florida where teen birth rates and repeat teen birth rates are statistically significantly higher than would be expected considering the unique demographics of each area. This information may be used to encourage further and more detailed analyses to investigate reasons for the higher than expected rates and to develop intervention strategies for improving outcomes.

## Methods

In this analysis, the actual number of teen births and repeat teen births are compared to the expected number for each county. The expected numbers are calculated by applying the state rates to the data for each county. The assumption is the expected rates for the counties are equal to the statewide rates. The difference between the number of actual and expected births is also tested for statistical significance. In the following tables, an "H" appears for the counties where the number of actual births is statistically significantly higher than the expected number of births and an "L" appears for the counties where the number of actual births is statistically significantly lower than the expected number of births. For counties without an "H" or " L " the number of actual births is not statistically significantly different from the expected number of births. An alpha level of 0.05 is used for this test, which means that for the counties with an " H " or " L " there is a $5 \%$ chance that the difference between the actual and expected number is due to random variation.

Note that for larger counties, smaller differences between the statewide rate and the county rate may be statistically significant while the same or greater differences may not be statistically significant in smaller counties. This is because statistical significance depends in part on the magnitude of the numbers used in the calculations. Since the larger counties will have larger female teen populations and more teen births, the differences between the statewide rate and county rates are more likely to be statistically significant. In statistical testing, this is called statistical power. All of the data for the following tables are from the Florida Department of Health CHARTS website at:
http://www.flhealthcharts.com/charts/default.aspx. The Poisson function in Excel was used for the statistical testing.

## Results

In the following tables, actual statistics are compared to expected statistics. Counties with statistically significantly higher than expected statistics are indicated in the tables with an "H." Counties with statistically significantly lower than expected statistics are indicated in the tables with an "L." As shown in Table 1, there were 27 counties with an "H" for teen births among females aged 15-17, and 10 counties with an "L" for teen births among females aged 15-17. On Table 2 for teen births among females aged 15-19, there were 45 counties with an " H " and 14 counties with an "L." On Table 3 for repeat births to teens aged 15-17, there were no counties with an " H " and one county with an " L ." On Table 4 for repeat births to teens aged 15-19, there were six counties with an "H" and six counties with an "L." On all of the tables, counties without an "H" or an "L" had rates that were not statistically significantly different from the expected rates.

## Discussion

One limitation of this analysis is the comparatively high level of variability of rates in smaller counties. Consequently, larger differences in rates for small counties may not be statistically significant while the same or smaller differences may be statistically significant in larger counties. Actual rates that are statistically significantly higher than the expected rates are most likely not a result of random fluctuations and are cause for concern; however, higher rates that are not statistically significant may also warrant further investigation. Additionally, smaller counties with higher than expected rates for a period of several years may also be cause for concern.

This analysis may be used as a basis for establishing priorities and to inform strategies developed to reduce both teen births and repeat teen births in Florida. The rationale is to use the results of this analysis to focus further analysis and efforts on the counties where the risks are significantly high and also analyze factors that contribute to the lower risks seen in some counties.

## Current Department of Health Teen Pregnancy Prevention Initiatives and Activities

Teen pregnancy prevention is one of CDC's top six priorities and is considered a "winnable battle" in public health. Moreover, one of the Healthy People 2020 objectives is to reduce teen pregnancy.

- Prevention of initial or repeat teen births is a Family Planning program objective which aligns with the federal Title X Program priorities and key issues.
- Teen birth rate goals are included in the Department's Long Range Program Plan (LRPP).
- A county health department (CHD) snapshot measure was developed in 2013 to track the number of teens who adopt an effective or higher method of contraception. Effective or higher contraception use increased from 83.9\% in 2016 to 84.1\% in 2017.
- CHDs are encouraged to increase reproductive health education including the provision of educational materials describing contraceptive methods to teens in schools and communities.
- CHDs are encouraged to make their family planning clinics teen-friendly. Teen-friendly services are critical to reaching teens and to promote adolescent health. Adolescents face barriers to services that are unique to their age group, such as transportation difficulties and school/work
schedules that conflict with appointments. As such, it is important to make family planning clinics teen-friendly.
- Long acting reversible contraception (LARC) use among teens 15-19 increased from $6.9 \%$ in 2016 to $10.1 \%$ in 2017 (excluding teens who were pregnant, seeking pregnancy or abstinent). LARC methods are highly effective in preventing pregnancy and are seen as a significant tool in reducing unplanned or unwanted pregnancies.


## References:

1. Centers for Disease Control and Prevention. National and State Patterns of Teen Births in the United States, 1940-2013. National Vital Statistics Reports. 2014; 63 (4). http://www.cdc.gov/nchs/data/nvsr/nvsr63/nvsr63_04.pdf. Accessed: September 10, 2015.
2. Florida CHARTS. http://www.flhealthcharts.com/. Accessed: June 21, 2018.
3. Centers for Disease Control and Prevention. Reproductive Health: Teen Pregnancy. http://www.cdc.gov/teenpregnancy/. Accessed on September 10, 2015.
4. Scholl, TO, Hediger, ML, Belsky, DH. Prenatal care and maternal health during adolescent pregnancy - A review and meta-analysis. Journal of Adolescent Health. 1994; 15:444-456.
5. Chandra, PC, Schiavello, HJ, Ravi, B, Weinstein, AG, Hook, FB. Pregnancy outcomes in urban teenagers. International Journal of Gynecology and Obstetrics. 2002; 79:117-122.
6. National Campaign to Prevent Teen Pregnancy. Why it Matters: Teen childbearing, education, and economic well-being. July 2012.

| County | Table 1: Florida Teen Birth Rates for Mothers Ages 15-172015-2017 |  |  |  | Statistical Significance* |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2015-2017 <br> Number of Females 15-17 | 2015-2017 <br> Actual <br> Number of Births to Mothers 15-17 | 2015-2017 <br> Expected <br> Number of Births to Mothers 15-17 | $\begin{array}{r} 2015-2017 \\ \text { Number of Births } \\ \text { per 1,000 } \\ \text { Females 15-17 } \\ \hline \end{array}$ |  |
| Statewide | 1,036,821 | 8,522 | 8,522 | 8.2 |  |
| Alachua | 10,623 | 86 | 87 | 8.1 |  |
| Baker | 1,468 | 21 | 12 | 14.3 | H |
| Bay | 8,345 | 124 | 69 | 14.9 | H |
| Bradford | 1,231 | 24 | 10 | 19.5 | H |
| Brevard | 28,199 | 185 | 232 | 6.6 | L |
| Broward | 102,700 | 538 | 844 | 5.2 | L |
| Calhoun | 791 | 5 | 7 | 6.3 |  |
| Charlotte | 6,080 | 48 | 50 | 7.9 |  |
| Citrus | 6,062 | 65 | 50 | 10.7 | H |
| Clay | 14,151 | 97 | 116 | 6.9 | L |
| Collier | 16,064 | 123 | 132 | 7.7 |  |
| Columbia | 3,466 | 49 | 28 | 14.1 | H |
| Dade | 140,460 | 869 | 1,154 | 6.2 | L |
| Desoto | 1,586 | 26 | 13 | 16.4 | H |
| Dixie | 789 | 10 | 6 | 12.7 |  |
| Duval | 48,811 | 572 | 401 | 11.7 | H |
| Escambia | 15,779 | 218 | 130 | 13.8 | H |
| Flagler | 5,303 | 30 | 44 | 5.7 | L |
| Franklin | 367 | 5 | 3 | 13.6 |  |
| Gadsden | 2,520 | 44 | 21 | 17.5 | H |
| Gilchrist | 957 | 12 | 8 | 12.5 |  |
| Glades | 529 | 4 | 4 | 7.6 |  |
| Gulf | 738 | 10 | 6 | 13.6 |  |
| Hamilton | 669 | 7 | 5 | 10.5 |  |
| Hardee | 1,646 | 25 | 14 | 15.2 | H |
| Hendry | 2,367 | 49 | 19 | 20.7 | H |
| Hernando | 9,433 | 63 | 78 | 6.7 |  |
| Highlands | 4,452 | 41 | 37 | 9.2 |  |
| Hillsborough | 76,120 | 694 | 626 | 9.1 | H |
| Holmes | 915 | 25 | 8 | 27.3 | H |
| Indian River | 6,684 | 55 | 55 | 8.2 |  |
| Jackson | 1,630 | 30 | 13 | 18.4 | H |
| Jefferson | 560 | 9 | 5 | 16.1 | H |
| Lafayette | 387 | 6 | 3 | 15.5 |  |
| Lake | 16,215 | 139 | 133 | 8.6 |  |
| Lee | 32,525 | 318 | 267 | 9.8 | H |
| Leon | 13,118 | 116 | 108 | 8.8 |  |
| Levy | 1,985 | 14 | 16 | 7.1 |  |
| Liberty | 412 | 4 | 3 | 9.7 |  |
| Madison | 907 | 10 | 7 | 11.0 |  |
| Manatee | 16,882 | 200 | 139 | 11.8 | H |
| Marion | 15,883 | 215 | 131 | 13.5 | H |
| Martin | 7,235 | 60 | 59 | 8.3 |  |
| Monroe | 2,638 | 21 | 22 | 8.0 |  |
| Nassau | 4,442 | 44 | 37 | 9.9 |  |
| Okaloosa | 9,163 | 95 | 75 | 10.4 | H |
| Okeechobee | 2,041 | 42 | 17 | 20.6 | H |
| Orange | 73,744 | 550 | 606 | 7.5 | L |
| Osceola | 21,195 | 168 | 174 | 7.9 |  |
| Palm Beach | 71,619 | 529 | 589 | 7.4 | L |
| Pasco | 25,856 | 208 | 213 | 8.0 |  |
| Pinellas | 41,967 | 342 | 345 | 8.1 |  |
| Polk | 36,376 | 384 | 299 | 10.6 | H |
| Putnam | 3,662 | 57 | 30 | 15.6 | H |
| Saint Johns | 12,718 | 57 | 105 | 4.5 | L |
| Saint Lucie | 15,755 | 114 | 129 | 7.2 |  |
| Santa Rosa | 9,972 | 75 | 82 | 7.5 |  |
| Sarasota | 16,351 | 90 | 134 | 5.5 | L |
| Seminole | 25,925 | 92 | 213 | 3.5 | L |
| Sumter | 2,074 | 30 | 17 | 14.5 | H |
| Suwannee | 2,236 | 42 | 18 | 18.8 | H |
| Taylor | 949 | 12 | 8 | 12.6 |  |
| Union | 757 | 12 | 6 | 15.9 | H |
| Volusia | 24,698 | 238 | 203 | 9.6 | H |
| Wakulla | 1,599 | 17 | 13 | 10.6 |  |
| Walton | 2,714 | 43 | 22 | 15.8 | H |
| Washington | 1,326 | 15 | 11 | 11.3 |  |
| * H - county rate is statistically significantly higher than the state rate (alpha=0.05) $L$ - county rate is statistically significantly lower than the state rate (alpha= 0.05 ) Blank - no statistically significant difference between the county rate and the state rate |  |  |  |  |  |


| County | Table 2: Florida Teen Birth Rates for Mothers Ages 15-19 2015-2017 |  |  |  | Statistical Significance* |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{array}{r} \text { 2015-2017 } \\ \text { Number of } \\ \text { Females 15-19 } \\ \hline \end{array}$ | 2015-2017 <br> Actual <br> Number of Births to Mothers 15-19 | $\begin{array}{r} 2015-2017 \\ \text { Expected } \\ \text { Number of Births } \\ \text { to Mothers 15-19 } \end{array}$ | 2015-2017 Number of Births per 1,000 Females 15-19 |  |
| Statewide | 1,721,953 | 33,850 | 33,850 | 19.7 |  |
| Alachua | 32,527 | 388 | 639 | 11.9 | L |
| Baker | 2,506 | 99 | 49 | 39.5 | H |
| Bay | 13,591 | 480 | 267 | 35.3 | H |
| Bradford | 2,012 | 92 | 40 | 45.7 | H |
| Brevard | 44,607 | 777 | 877 | 17.4 | L |
| Broward | 162,027 | 2,207 | 3,185 | 13.6 | L |
| Calhoun | 1,192 | 36 | 23 | 30.2 | H |
| Charlotte | 9,376 | 212 | 184 | 22.6 | H |
| Citrus | 8,960 | 245 | 176 | 27.3 | H |
| Clay | 21,469 | 378 | 422 | 17.6 | L |
| Collier | 24,856 | 482 | 489 | 19.4 |  |
| Columbia | 5,503 | 217 | 108 | 39.4 | H |
| Dade | 230,235 | 3,477 | 4,526 | 15.1 | L |
| Desoto | 2,567 | 103 | 50 | 40.1 | H |
| Dixie | 1,182 | 44 | 23 | 37.2 | H |
| Duval | 80,817 | 2,182 | 1,589 | 27.0 | H |
| Escambia | 29,554 | 811 | 581 | 27.4 | H |
| Flagler | 7,675 | 130 | 151 | 16.9 | L |
| Franklin | 635 | 37 | 12 | 58.3 | H |
| Gadsden | 4,155 | 144 | 82 | 34.7 | H |
| Gilchrist | 1,473 | 52 | 29 | 35.3 | H |
| Glades | 850 | 13 | 17 | 15.3 |  |
| Gulf | 1,095 | 33 | 22 | 30.1 | H |
| Hamilton | 1,026 | 43 | 20 | 41.9 | H |
| Hardee | 2,785 | 115 | 55 | 41.3 | H |
| Hendry | 3,797 | 159 | 75 | 41.9 | H |
| Hernando | 14,291 | 293 | 281 | 20.5 |  |
| Highlands | 6,926 | 222 | 136 | 32.1 | H |
| Hillsborough | 129,210 | 2,655 | 2,540 | 20.5 | H |
| Holmes | 1,508 | 82 | 30 | 54.4 | H |
| Indian River | 10,265 | 231 | 202 | 22.5 | H |
| Jackson | 3,892 | 148 | 77 | 38.0 | H |
| Jefferson | 947 | 26 | 19 | 27.5 |  |
| Lafayette | 691 | 14 | 14 | 20.3 |  |
| Lake | 25,335 | 610 | 498 | 24.1 | H |
| Lee | 52,669 | 1,196 | 1,035 | 22.7 | H |
| Leon | 41,224 | 417 | 810 | 10.1 | L |
| Levy | 3,060 | 87 | 60 | 28.4 | H |
| Liberty | 615 | 21 | 12 | 34.1 | H |
| Madison | 1,398 | 43 | 27 | 30.8 | H |
| Manatee | 27,115 | 701 | 533 | 25.9 | H |
| Marion | 25,340 | 803 | 498 | 31.7 | H |
| Martin | 10,971 | 194 | 216 | 17.7 |  |
| Monroe | 4,207 | 58 | 83 | 13.8 | L |
| Nassau | 6,579 | 162 | 129 | 24.6 | H |
| Okaloosa | 14,708 | 401 | 289 | 27.3 | H |
| Okeechobee | 3,304 | 151 | 65 | 45.7 | H |
| Orange | 129,940 | 2,293 | 2,554 | 17.6 | L |
| Osceola | 33,750 | 769 | 663 | 22.8 | H |
| Palm Beach | 114,833 | 1,854 | 2,257 | 16.1 | L |
| Pasco | 41,441 | 901 | 815 | 21.7 | H |
| Pinellas | 67,176 | 1,228 | 1,321 | 18.3 | L |
| Polk | 60,087 | 1,659 | 1,181 | 27.6 | H |
| Putnam | 5,957 | 255 | 117 | 42.8 | H |
| Saint Johns | 20,780 | 200 | 408 | 9.6 | L |
| Saint Lucie | 24,865 | 473 | 489 | 19.0 |  |
| Santa Rosa | 14,983 | 336 | 295 | 22.4 | H |
| Sarasota | 25,867 | 411 | 508 | 15.9 | L |
| Seminole | 41,122 | 457 | 808 | 11.1 | L |
| Sumter | 3,235 | 129 | 64 | 39.9 | H |
| Suwannee | 3,618 | 134 | 71 | 37.0 | H |
| Taylor | 1,478 | 60 | 29 | 40.6 | H |
| Union | 1,177 | 48 | 23 | 40.8 | H |
| Volusia | 42,206 | 907 | 830 | 21.5 | H |
| Wakulla | 2,513 | 58 | 49 | 23.1 |  |
| Walton | 4,260 | 140 | 84 | 32.9 | H |
| Washington | 1,938 | 67 | 38 | 34.6 | H |
| * H - county rate is statistically significantly higher than the state rate (alpha=0.05) L- county rate is statistically significantly lower than the state rate (alpha= 0.05 ) Blank - no statistically significant difference between the county rate and the state rate |  |  |  |  |  |
|  |  |  |  |  |  |  |


| County | Table 3: Florida Repeat Birth Rates for Mothers Ages 15-17 2015-2017 |  |  |  | Statistical Significance* |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2015-2017 <br> Number of Births to Females 15-17 | $\begin{array}{r} 2015-2017 \\ \text { Actual } \\ \text { Number of } \\ \text { Repeat Births to } \\ \text { to Mothers 15-17 } \end{array}$ | $2015-2017$ Expected Number of Repeat Births to to Mothers 15-17 | $2015-2017$ Actual Percent Repeat Births to to Mothers 15-17 |  |
| Statewide | 8,522 | 650 | 650 | 7.6\% |  |
| Alachua | 86 | 4 | 7 | 4.7\% |  |
| Baker | 21 | 1 | 2 | 4.8\% |  |
| Bay | 124 | 8 | 9 | 6.5\% |  |
| Bradford | 24 | 3 | 2 | 12.5\% |  |
| Brevard | 185 | 12 | 14 | 6.5\% |  |
| Broward | 538 | 40 | 41 | 7.4\% |  |
| Calhoun | 5 | 0 | 0 | 0.0\% |  |
| Charlotte | 48 | 3 | 4 | 6.3\% |  |
| Citrus | 65 | 5 | 5 | 7.7\% |  |
| Clay | 97 | 3 | 7 | 3.1\% |  |
| Collier | 123 | 9 | 9 | 7.3\% |  |
| Columbia | 49 | 3 | 4 | 6.1\% |  |
| Dade | 869 | 67 | 66 | 7.7\% |  |
| Desoto | 26 | 1 | 2 | 3.8\% |  |
| Dixie | 10 | 1 | 1 | 10.0\% |  |
| Duval | 572 | 49 | 44 | 8.6\% |  |
| Escambia | 218 | 17 | 17 | 7.8\% |  |
| Flagler | 30 | 1 | 2 | 3.3\% |  |
| Franklin | 5 | 0 | 0 | 0.0\% |  |
| Gadsden | 44 | 3 | 3 | 6.8\% |  |
| Gilchrist | 12 | 1 | 1 | 8.3\% |  |
| Glades | 4 | 0 | 0 | 0.0\% |  |
| Gulf | 10 | 0 | 1 | 0.0\% |  |
| Hamilton | 7 | 1 | 1 | 14.3\% |  |
| Hardee | 25 | 3 | 2 | 12.0\% |  |
| Hendry | 49 | 5 | 4 | 10.2\% |  |
| Hernando | 63 | 5 | 5 | 7.9\% |  |
| Highlands | 41 | 2 | 3 | 4.9\% |  |
| Hillsborough | 694 | 58 | 53 | 8.4\% |  |
| Holmes | 25 | 2 | 2 | 8.0\% |  |
| Indian River | 55 | 4 | 4 | 7.3\% |  |
| Jackson | 30 | 5 | 2 | 16.7\% |  |
| Jefferson | 9 | 2 | 1 | 22.2\% |  |
| Lafayette | 6 | 0 | 0 | 0.0\% |  |
| Lake | 139 | 8 | 11 | 5.8\% |  |
| Lee | 318 | 17 | 24 | 5.3\% |  |
| Leon | 116 | 11 | 9 | 9.5\% |  |
| Levy | 14 | 2 | 1 | 14.3\% |  |
| Liberty | 4 | 0 | 0 | 0.0\% |  |
| Madison | 10 | 0 | 1 | 0.0\% |  |
| Manatee | 200 | 22 | 15 | 11.0\% |  |
| Marion | 215 | 20 | 16 | 9.3\% |  |
| Martin | 60 | 4 | 5 | 6.7\% |  |
| Monroe | 21 | 0 | 2 | 0.0\% |  |
| Nassau | 44 | 4 | 3 | 9.1\% |  |
| Okaloosa | 95 | 6 | 7 | 6.3\% |  |
| Okeechobee | 42 | 5 | 3 | 11.9\% |  |
| Orange | 550 | 50 | 42 | 9.1\% |  |
| Osceola | 168 | 10 | 13 | 6.0\% |  |
| Palm Beach | 529 | 40 | 40 | 7.6\% |  |
| Pasco | 208 | 16 | 16 | 7.7\% |  |
| Pinellas | 342 | 19 | 26 | 5.6\% |  |
| Polk | 384 | 30 | 29 | 7.8\% |  |
| Putnam | 57 | 6 | 4 | 10.5\% |  |
| Saint Johns | 57 | 3 | 4 | 5.3\% |  |
| Saint Lucie | 114 | 7 | 9 | 6.1\% |  |
| Santa Rosa | 75 | 1 | 6 | 1.3\% | L |
| Sarasota | 90 | 7 | 7 | 7.8\% |  |
| Seminole | 92 | 6 | 7 | 6.5\% |  |
| Sumter | 30 | 1 | 2 | 3.3\% |  |
| Suwannee | 42 | 6 | 3 | 14.3\% |  |
| Taylor | 12 | 1 | 1 | 8.3\% |  |
| Union | 12 | 1 | 1 | 8.3\% |  |
| Volusia | 238 | 23 | 18 | 9.7\% |  |
| Wakulla | 17 | 0 | 1 | 0.0\% |  |
| Walton | 43 | 4 | 3 | 9.3\% |  |
| Washington | 15 | 2 | 1 | 13.3\% |  |
|  |  |  |  |  |  |
| * H - county percentage is statistically significantly higher than the state rate (alpha=0.05) <br> L - county percentage is statistically significantly lower than the state rate (alpha= 0.05 ) <br> Blank - no statistically significant difference between the county rate and the state rate |  |  |  |  |  |


| Table 4: Florida Repeat Birth Rates for Mothers Ages 15-19 2015-2017 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| County |  | 2015-2017 | 2015-2017 | 2015-2017 |  |
|  |  | Actual | Expected | Actual |  |
|  | Number of | Number of | Number of | Percent |  |
|  | Births to <br> Females 15-19 | Repeat Births to to Mothers 15-19 | Repeat Births to to Mothers 15-19 | Repeat Births to to Mothers 15-19 | Statistical Significance* |
| Statewide | 33,850 | 5,298 | 5,298 | 15.7\% |  |
| Alachua | 388 | 52 | 61 | 13.4\% |  |
| Baker | 99 | 16 | 15 | 16.2\% |  |
| Bay | 480 | 72 | 75 | 15.0\% |  |
| Bradford | 92 | 18 | 14 | 19.6\% |  |
| Brevard | 777 | 97 | 122 | 12.5\% | L |
| Broward | 2,207 | 371 | 345 | 16.8\% |  |
| Calhoun | 36 | 10 | 6 | 27.8\% |  |
| Charlotte | 212 | 32 | 33 | 15.1\% |  |
| Citrus | 245 | 33 | 38 | 13.5\% |  |
| Clay | 378 | 50 | 59 | 13.2\% |  |
| Collier | 482 | 75 | 75 | 15.6\% |  |
| Columbia | 217 | 48 | 34 | 22.1\% | H |
| Dade | 3,477 | 500 | 544 | 14.4\% | L |
| Desoto | 103 | 21 | 16 | 20.4\% |  |
| Dixie | 44 | 6 | 7 | 13.6\% |  |
| Duval | 2,182 | 346 | 342 | 15.9\% |  |
| Escambia | 811 | 155 | 127 | 19.1\% | H |
| Flagler | 130 | 18 | 20 | 13.8\% |  |
| Franklin | 37 | 9 | 6 | 24.3\% |  |
| Gadsden | 144 | 23 | 23 | 16.0\% |  |
| Gilchrist | 52 | 4 | 8 | 7.7\% |  |
| Glades | 13 | 1 | 2 | 7.7\% |  |
| Gulf | 33 | 2 | 5 | 6.1\% |  |
| Hamilton | 43 | 8 | 7 | 18.6\% |  |
| Hardee | 115 | 27 | 18 | 23.5\% | H |
| Hendry | 159 | 31 | 25 | 19.5\% |  |
| Hernando | 293 | 40 | 46 | 13.7\% |  |
| Highlands | 222 | 31 | 35 | 14.0\% |  |
| Hillsborough | 2,655 | 424 | 416 | 16.0\% |  |
| Holmes | 82 | 17 | 13 | 20.7\% |  |
| Indian River | 231 | 32 | 36 | 13.9\% |  |
| Jackson | 148 | 27 | 23 | 18.2\% |  |
| Jefferson | 26 | 4 | 4 | 15.4\% |  |
| Lafayette | 14 | 5 | 2 | 35.7\% |  |
| Lake | 610 | 89 | 95 | 14.6\% |  |
| Lee | 1,196 | 192 | 187 | 16.1\% |  |
| Leon | 417 | 63 | 65 | 15.1\% |  |
| Levy | 87 | 13 | 14 | 14.9\% |  |
| Liberty | 21 | 6 | 3 | 28.6\% |  |
| Madison | 43 | 1 | 7 | 2.3\% | L |
| Manatee | 701 | 153 | 110 | 21.8\% | H |
| Marion | 803 | 131 | 126 | 16.3\% |  |
| Martin | 194 | 30 | 30 | 15.5\% |  |
| Monroe | 58 | 6 | 9 | 10.3\% |  |
| Nassau | 162 | 22 | 25 | 13.6\% |  |
| Okaloosa | 401 | 67 | 63 | 16.7\% |  |
| Okeechobee | 151 | 34 | 24 | 22.5\% | H |
| Orange | 2,293 | 388 | 359 | 16.9\% |  |
| Osceola | 769 | 91 | 120 | 11.8\% | L |
| Palm Beach | 1,854 | 291 | 290 | 15.7\% |  |
| Pasco | 901 | 146 | 141 | 16.2\% |  |
| Pinellas | 1,228 | 160 | 192 | 13.0\% | L |
| Polk | 1,659 | 272 | 260 | 16.4\% |  |
| Putnam | 255 | 45 | 40 | 17.6\% |  |
| Saint Johns | 200 | 24 | 31 | 12.0\% |  |
| Saint Lucie | 473 | 62 | 74 | 13.1\% |  |
| Santa Rosa | 336 | 42 | 53 | 12.5\% |  |
| Sarasota | 411 | 65 | 64 | 15.8\% |  |
| Seminole | 457 | 46 | 72 | 10.1\% | L |
| Sumter | 129 | 23 | 20 | 17.8\% |  |
| Suwannee | 134 | 30 | 21 | 22.4\% | H |
| Taylor | 60 | 10 | 9 | 16.7\% |  |
| Union | 48 | 10 | 8 | 20.8\% |  |
| Volusia | 907 | 142 | 142 | 15.7\% |  |
| Wakulla | 58 | 7 | 9 | 12.1\% |  |
| Walton | 140 | 22 | 22 | 15.7\% |  |
| Washington | 67 | 10 | 10 | 14.9\% |  |
|  |  |  |  |  |  |
| * $H$ - county percentage is statistically significantly higher than the state rate (alpha=0.05) <br> L - county percentage is statistically significantly lower than the state rate (alpha= 0.05 ) <br> Blank - no statistically significant difference between the county rate and the state rate |  |  |  |  |  |

