

Florida Actual versus Expected Teen births and Repeat Teen Births By County 2007 through 2009

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 from the statewide rates and if each county had the expected number of births to teens age 15 to 19 (for example) then each county would have the same teen birth rate as the statewide rate.

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.

All of the data for the following tables are from the Florida Department of Health CHARTS web site at: <http://www.floridacharts.com/charts/chart.aspx>. The Poisson function in Excel was used for the statistical testing.

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**Florida Teen Birth Rates for Mothers Ages 15-17
2007 Through 2009**

County	2007 - 2009 Number of Females 15-17	2007 - 2009 Actual Number of Births to Mothers 15-17	2007 - 2009 Expected Number of Births to Mothers 15-17	2007 - 2009 Number of Births per 1,000 Females 15-17	Statistical Significance*
Statewide	1,071,023	21,701	21,701	20.3	
Alachua	11,770	274	238	23.3	H
Baker	1,494	50	30	33.5	H
Bay	8,871	245	180	27.6	H
Bradford	1,472	30	30	20.4	
Brevard	32,423	431	657	13.3	L
Broward	102,854	1,434	2,084	13.9	L
Calhoun	921	20	19	21.7	
Charlotte	7,338	110	149	15.0	L
Citrus	6,844	109	139	15.9	L
Clay	14,163	202	287	14.3	L
Collier	17,160	352	348	20.5	
Columbia	3,971	126	80	31.7	H
Dade	152,791	2,678	3,096	17.5	L
Desoto	1,891	82	38	43.4	H
Dixie	937	31	19	33.1	H
Duval	55,270	1,251	1,120	22.6	H
Escambia	19,158	537	388	28.0	H
Flagler	5,471	77	111	14.1	L
Franklin	511	16	10	31.3	
Gadsden	3,008	134	61	44.5	H
Gilchrist	1,042	14	21	13.4	
Glades	625	16	13	25.6	
Gulf	944	14	19	14.8	
Hamilton	846	29	17	34.3	H
Hardee	1,716	95	35	55.4	H
Hendry	2,970	124	60	41.8	H
Hernando	8,847	136	179	15.4	L
Highlands	4,865	146	99	30.0	H
Hillsborough	72,699	1,865	1,473	25.7	H
Holmes	1,159	29	23	25.0	
Indian River	7,393	151	150	20.4	
Jackson	2,553	87	52	34.1	H
Jefferson	807	17	16	21.1	
Lafayette	360	13	7	36.1	H
Lake	14,827	384	300	25.9	H
Lee	30,565	748	619	24.5	H
Leon	13,581	223	275	16.4	L
Levy	2,600	66	53	25.4	H
Liberty	484	6	10	12.4	
Madison	1,299	37	26	28.5	H
Manatee	16,104	522	326	32.4	H
Marion	18,133	475	367	26.2	H
Martin	7,285	124	148	17.0	L
Monroe	3,515	30	71	8.5	L
Nassau	4,731	94	96	19.9	
Okaloosa	11,370	182	230	16.0	L
Okeechobee	2,499	103	51	41.2	H
Orange	67,414	1,552	1,366	23.0	H
Osceola	19,624	390	398	19.9	
Palm Beach	71,187	1,265	1,442	17.8	L
Pasco	23,769	445	482	18.7	L
Pinellas	46,519	921	943	19.8	
Polk	33,489	989	679	29.5	H
Putnam	4,441	189	90	42.6	H
Saint Johns	10,482	117	212	11.2	L
Saint Lucie	16,317	327	331	20.0	
Santa Rosa	9,776	142	198	14.5	L
Sarasota	16,888	251	342	14.9	L
Seminole	26,561	321	538	12.1	L
Sumter	3,747	66	76	17.6	
Suwannee	2,212	90	45	40.7	H
Taylor	1,329	39	27	29.3	H
Union	858	30	17	35.0	H
Volusia	27,630	529	560	19.1	
Wakulla	1,837	24	37	13.1	L
Walton	3,220	55	65	17.1	
Washington	1,586	40	32	25.2	

* 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

**Florida Teen Birth Rates for Mothers Ages 15-19
2007 Through 2009**

County	2007 - 2009 Number of Females 15-19	2007 - 2009 Actual Number of Births to Mothers 15-19	2007 - 2009 Expected Number of Births to Mothers 15-19	2007 - 2009 Number of Births per 1,000 Females 15-19	Statistical Significance*
Statewide	1,774,935	71,757	71,757	40.4	
Alachua	36,044	867	1,457	24.1	L
Baker	2,536	173	103	68.2	H
Bay	14,409	898	583	62.3	H
Bradford	2,387	175	97	73.3	H
Brevard	51,247	1,544	2,072	30.1	L
Broward	161,731	4,971	6,538	30.7	L
Calhoun	1,368	80	55	58.5	H
Charlotte	11,310	386	457	34.1	L
Citrus	10,137	450	410	44.4	H
Clay	21,459	741	868	34.5	L
Collier	26,394	1,127	1,067	42.7	H
Columbia	6,301	437	255	69.4	H
Dade	250,430	8,594	10,124	34.3	L
Desoto	3,104	224	125	72.2	H
Dixie	1,402	91	57	64.9	H
Duval	91,407	4,381	3,695	47.9	H
Escambia	36,245	1,750	1,465	48.3	H
Flagler	7,945	266	321	33.5	L
Franklin	878	64	35	72.9	H
Gadsden	4,962	347	201	69.9	H
Gilchrist	1,602	77	65	48.1	
Glades	991	50	40	50.5	
Gulf	1,380	57	56	41.3	
Hamilton	1,287	99	52	76.9	H
Hardee	2,891	272	117	94.1	H
Hendry	4,724	347	191	73.5	H
Hernando	13,407	512	542	38.2	
Highlands	7,595	433	307	57.0	H
Hillsborough	123,428	5,912	4,990	47.9	H
Holmes	1,907	125	77	65.5	H
Indian River	11,317	471	458	41.6	
Jackson	4,316	271	174	62.8	H
Jefferson	1,319	67	53	50.8	H
Lafayette	636	37	26	58.2	H
Lake	23,099	1,255	934	54.3	H
Lee	49,191	2,341	1,989	47.6	H
Leon	42,656	822	1,724	19.3	L
Levy	4,008	216	162	53.9	H
Liberty	726	35	29	48.2	
Madison	1,974	127	80	64.3	H
Manatee	25,822	1,537	1,044	59.5	H
Marion	28,837	1,584	1,166	54.9	H
Martin	10,928	375	442	34.3	L
Monroe	5,567	147	225	26.4	L
Nassau	7,014	309	284	44.1	
Okaloosa	18,226	750	737	41.2	
Okeechobee	4,021	320	163	79.6	H
Orange	119,194	4,838	4,819	40.6	
Osceola	31,198	1,383	1,261	44.3	H
Palm Beach	113,650	3,925	4,595	34.5	L
Pasco	37,893	1,515	1,532	40.0	
Pinellas	74,238	2,984	3,001	40.2	
Polk	55,254	3,352	2,234	60.7	H
Putnam	7,219	532	292	73.7	H
Saint Johns	17,188	396	695	23.0	L
Saint Lucie	25,617	1,134	1,036	44.3	H
Santa Rosa	14,713	544	595	37.0	L
Sarasota	26,480	845	1,071	31.9	L
Seminole	41,972	1,114	1,697	26.5	L
Sumter	5,830	257	236	44.1	
Suwannee	3,565	261	144	73.2	H
Taylor	2,054	140	83	68.2	H
Union	1,316	83	53	63.1	H
Volusia	46,763	1,868	1,891	39.9	
Wakulla	2,866	93	116	32.4	L
Walton	5,038	245	204	48.6	H
Washington	2,322	134	94	57.7	H

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Blank - no statistically significant difference between the county rate and the state rate

**Florida Repeat Birth Rates for Mothers Ages 15-17
2007 Through 2009**

County	2007 - 2009 Number of Births to Females 15-17	2007 - 2009 Actual Number of Repeat Births to Mothers 15-17	2007 - 2009 Expected Number of Repeat Births to Mothers 15-17	Actual Percent Repeat Births	Statistical Significance*
Statewide	21,701	2,069	2,069	9.5%	
Alachua	274	26	26	9.5%	
Baker	50	4	5	8.0%	
Bay	245	20	23	8.2%	
Bradford	30	1	3	3.3%	
Brevard	431	37	41	8.6%	
Broward	1,434	138	137	9.6%	
Calhoun	20	5	2	25.0%	H
Charlotte	110	8	10	7.3%	
Citrus	109	5	10	4.6%	
Clay	202	9	19	4.5%	L
Collier	352	43	34	12.2%	
Columbia	126	10	12	7.9%	
Dade	2,678	261	255	9.7%	
Desoto	82	11	8	13.4%	
Dixie	31	2	3	6.5%	
Duval	1,251	102	119	8.2%	
Escambia	537	53	51	9.9%	
Flagler	77	7	7	9.1%	
Franklin	16	1	2	6.3%	
Gadsden	134	11	13	8.2%	
Gilchrist	14	0	1	0.0%	
Glades	16	1	2	6.3%	
Gulf	14	0	1	0.0%	
Hamilton	29	4	3	13.8%	
Hardee	95	14	9	14.7%	
Hendry	124	9	12	7.3%	
Hernando	136	6	13	4.4%	L
Highlands	146	19	14	13.0%	
Hillsborough	1,865	190	178	10.2%	
Holmes	29	4	3	13.8%	
Indian River	151	12	14	7.9%	
Jackson	87	6	8	6.9%	
Jefferson	17	3	2	17.6%	
Lafayette	13	1	1	7.7%	
Lake	384	35	37	9.1%	
Lee	748	93	71	12.4%	H
Leon	223	19	21	8.5%	
Levy	66	1	6	1.5%	L
Liberty	6	0	1	0.0%	
Madison	37	4	4	10.8%	
Manatee	522	55	50	10.5%	
Marion	475	43	45	9.1%	
Martin	124	12	12	9.7%	
Monroe	30	2	3	6.7%	
Nassau	94	4	9	4.3%	
Okaloosa	182	20	17	11.0%	
Okeechobee	103	9	10	8.7%	
Orange	1,552	159	148	10.2%	
Osceola	390	28	37	7.2%	
Palm Beach	1,265	136	121	10.8%	
Pasco	445	37	42	8.3%	
Pinellas	921	81	88	8.8%	
Polk	989	116	94	11.7%	H
Putnam	189	16	18	8.5%	
Saint Johns	117	9	11	7.7%	
Saint Lucie	327	36	31	11.0%	
Santa Rosa	142	9	14	6.3%	
Sarasota	251	21	24	8.4%	
Seminole	321	29	31	9.0%	
Sumter	66	8	6	12.1%	
Suwannee	90	8	9	8.9%	
Taylor	39	4	4	10.3%	
Union	30	2	3	6.7%	
Volusia	529	40	50	7.6%	
Wakulla	24	1	2	4.2%	
Walton	55	2	5	3.6%	
Washington	40	7	4	17.5%	

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**Florida Repeat Birth Rates for Mothers Ages 15-19
2007 Through 2009**

County	2007 - 2009 Number of Births to Females 15-19	2007 - 2009 Actual Number of Repeat Births to Mothers 15-19	2007 - 2009 Expected Number of Repeat Births to Mothers 15-19	Actual Percent Repeat Births	Statistical Significance*
Statewide	71,757	13,391	13,391	18.7%	
Alachua	867	175	162	20.2%	
Baker	173	30	32	17.3%	
Bay	898	170	168	18.9%	
Bradford	175	31	33	17.7%	
Brevard	1,544	291	288	18.8%	
Broward	4,971	868	928	17.5%	L
Calhoun	80	14	15	17.5%	
Charlotte	386	42	72	10.9%	L
Citrus	450	63	84	14.0%	L
Clay	741	97	138	13.1%	L
Collier	1,127	235	210	20.9%	H
Columbia	437	84	82	19.2%	
Dade	8,594	1,514	1,604	17.6%	L
Desoto	224	50	42	22.3%	
Dixie	91	14	17	15.4%	
Duval	4,381	841	818	19.2%	
Escambia	1,750	342	327	19.5%	
Flagler	266	49	50	18.4%	
Franklin	64	11	12	17.2%	
Gadsden	347	76	65	21.9%	
Gilchrist	77	19	14	24.7%	
Glades	50	8	9	16.0%	
Gulf	57	11	11	19.3%	
Hamilton	99	27	18	27.3%	H
Hardee	272	67	51	24.6%	H
Hendry	347	75	65	21.6%	
Hernando	512	81	96	15.8%	
Highlands	433	91	81	21.0%	
Hillsborough	5,912	1,167	1,103	19.7%	H
Holmes	125	36	23	28.8%	H
Indian River	471	76	88	16.1%	
Jackson	271	50	51	18.5%	
Jefferson	67	13	13	19.4%	
Lafayette	37	6	7	16.2%	
Lake	1,255	227	234	18.1%	
Lee	2,341	494	437	21.1%	H
Leon	822	151	153	18.4%	
Levy	216	37	40	17.1%	
Liberty	35	8	7	22.9%	
Madison	127	27	24	21.3%	
Manatee	1,537	355	287	23.1%	H
Marion	1,584	292	296	18.4%	
Martin	375	72	70	19.2%	
Monroe	147	24	27	16.3%	
Nassau	309	57	58	18.4%	
Okaloosa	750	143	140	19.1%	
Okeechobee	320	66	60	20.6%	
Orange	4,838	901	903	18.6%	
Osceola	1,383	197	258	14.2%	L
Palm Beach	3,925	796	732	20.3%	H
Pasco	1,515	259	283	17.1%	
Pinellas	2,984	556	557	18.6%	
Polk	3,352	669	626	20.0%	H
Putnam	532	112	99	21.1%	
Saint Johns	396	60	74	15.2%	
Saint Lucie	1,134	227	212	20.0%	
Santa Rosa	544	85	102	15.6%	
Sarasota	845	135	158	16.0%	L
Seminole	1,114	174	208	15.6%	L
Sumter	257	50	48	19.5%	
Suwannee	261	60	49	23.0%	
Taylor	140	29	26	20.7%	
Union	83	13	15	15.7%	
Volusia	1,868	309	349	16.5%	L
Wakulla	93	12	17	12.9%	
Walton	245	38	46	15.5%	
Washington	134	32	25	23.9%	

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