

## **Florida Actual versus Expected Teen Births and Repeat Teen Births By County 2008 through 2010**

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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HSFFM – Dan Thompson 01/03/12

**Florida Teen Birth Rates for Mothers Ages 15-17  
2008 Through 2010**

<b>County</b>	<b>2008 - 2010 Number of Females 15-17</b>	<b>2008 - 2010 Actual Number of Births to Mothers 15-17</b>	<b>2008 - 2010 Expected Number of Births to Mothers 15-17</b>	<b>2008 - 2010 Number of Births per 1,000 Females 15-17</b>	<b>Statistical Significance*</b>
<b>Statewide</b>	1,064,470	18,982	18,982	17.8	
Alachua	11,767	240	210	20.4	H
Baker	1,457	52	26	35.7	H
Bay	8,768	234	156	26.7	H
Bradford	1,447	28	26	19.4	
Brevard	32,029	386	571	12.1	L
Broward	102,040	1,239	1,820	12.1	L
Calhoun	913	25	16	27.4	H
Charlotte	7,286	103	130	14.1	L
Citrus	6,772	105	121	15.5	
Clay	14,057	173	251	12.3	L
Collier	17,115	306	305	17.9	
Columbia	3,939	105	70	26.7	H
Miami-Dade	151,496	2,317	2,702	15.3	L
DeSoto	1,873	78	33	41.6	H
Dixie	932	23	17	24.7	
Duval	54,637	1,099	974	20.1	H
Escambia	18,945	491	338	25.9	H
Flagler	5,496	80	98	14.6	L
Franklin	492	13	9	26.4	
Gadsden	2,946	111	53	37.7	H
Gilchrist	1,016	10	18	9.8	L
Glades	628	11	11	17.5	
Gulf	923	12	16	13.0	
Hamilton	845	26	15	30.8	H
Hardee	1,721	91	31	52.9	H
Hendry	2,954	106	53	35.9	H
Hernando	8,887	117	158	13.2	L
Highlands	4,840	125	86	25.8	H
Hillsborough	72,606	1,652	1,295	22.8	H
Holmes	1,160	26	21	22.4	
Indian River	7,354	130	131	17.7	
Jackson	2,566	68	46	26.5	H
Jefferson	788	17	14	21.6	
Lafayette	369	8	7	21.7	
Lake	14,802	324	264	21.9	H
Lee	30,159	606	538	20.1	H
Leon	13,481	196	240	14.5	L
Levy	2,578	55	46	21.3	
Liberty	493	6	9	12.2	
Madison	1,255	26	22	20.7	
Manatee	15,983	427	285	26.7	H
Marion	17,920	433	320	24.2	H
Martin	7,267	106	130	14.6	L
Monroe	3,468	23	62	6.6	L
Nassau	4,709	77	84	16.4	
Okaloosa	11,176	160	199	14.3	L
Okeechobee	2,534	94	45	37.1	H
Orange	67,445	1,359	1,203	20.1	H
Osceola	19,873	379	354	19.1	
Palm Beach	70,855	1,093	1,264	15.4	L
Pasco	24,041	357	429	14.8	L
Pinellas	45,877	806	818	17.6	
Polk	33,202	841	592	25.3	H
Putnam	4,351	180	78	41.4	H
St. Johns	10,625	114	189	10.7	L
St. Lucie	16,150	283	288	17.5	
Santa Rosa	9,716	146	173	15.0	L
Sarasota	16,888	222	301	13.1	L
Seminole	26,361	297	470	11.3	L
Sumter	3,862	52	69	13.5	L
Suwannee	2,211	77	39	34.8	H
Taylor	1,314	42	23	32.0	H
Union	853	23	15	27.0	H
Volusia	27,348	447	488	16.3	L
Wakulla	1,820	29	32	15.9	
Walton	3,187	59	57	18.5	
Washington	1,602	36	29	22.5	

\* 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  
2008 Through 2010**

<b>County</b>	<b>2008 - 2010 Number of Females 15-19</b>	<b>2008 - 2010 Actual Number of Births to Mothers 15-19</b>	<b>2008 - 2010 Expected Number of Births to Mothers 15-19</b>	<b>2008 - 2010 Number of Births per 1,000 Females 15-19</b>	<b>Statistical Significance*</b>
<b>Statewide</b>	1,764,282	65,214	65,214	37.0	
Alachua	35,913	845	1,327	23.5	L
Baker	2,474	175	91	70.7	H
Bay	14,245	905	527	63.5	H
Bradford	2,345	161	87	68.7	H
Brevard	50,630	1,392	1,871	27.5	L
Broward	160,540	4,461	5,934	27.8	L
Calhoun	1,357	81	50	59.7	H
Charlotte	11,227	357	415	31.8	L
Citrus	10,029	446	371	44.5	H
Clay	21,299	664	787	31.2	L
Collier	26,338	961	974	36.5	
Columbia	6,250	412	231	65.9	H
Dade	248,267	7,751	9,177	31.2	L
Desoto	3,089	203	114	65.7	H
Dixie	1,394	75	52	53.8	H
Duval	90,388	3,988	3,341	44.1	H
Escambia	35,837	1,625	1,325	45.3	H
Flagler	7,982	263	295	32.9	L
Franklin	846	62	31	73.3	H
Gadsden	4,862	329	180	67.7	H
Gilchrist	1,563	62	58	39.7	
Glades	998	46	37	46.1	
Gulf	1,348	54	50	40.1	
Hamilton	1,283	99	47	77.2	H
Hardee	2,901	256	107	88.2	H
Hendry	4,701	312	174	66.4	H
Hernando	13,467	485	498	36.0	
Highlands	7,555	392	279	51.9	H
Hillsborough	123,268	5,440	4,556	44.1	H
Holmes	1,908	106	71	55.6	H
Indian River	11,259	423	416	37.6	
Jackson	4,339	241	160	55.5	H
Jefferson	1,288	61	48	47.4	H
Lafayette	657	37	24	56.3	H
Lake	23,065	1,118	853	48.5	H
Lee	48,547	1,994	1,794	41.1	H
Leon	42,366	772	1,566	18.2	L
Levy	3,972	203	147	51.1	H
Liberty	740	31	27	41.9	
Madison	1,907	100	70	52.4	H
Manatee	25,642	1,313	948	51.2	H
Marion	28,507	1,482	1,054	52.0	H
Martin	10,909	345	403	31.6	L
Monroe	5,496	121	203	22.0	L
Nassau	6,984	308	258	44.1	H
Okaloosa	17,912	697	662	38.9	
Okeechobee	4,079	289	151	70.9	H
Orange	119,192	4,322	4,406	36.3	
Osceola	31,597	1,232	1,168	39.0	H
Palm Beach	113,155	3,529	4,183	31.2	L
Pasco	38,329	1,344	1,417	35.1	L
Pinellas	73,239	2,713	2,707	37.0	
Polk	54,785	3,062	2,025	55.9	H
Putnam	7,073	504	261	71.3	H
Saint Johns	17,423	377	644	21.6	L
Saint Lucie	25,355	1,021	937	40.3	H
Santa Rosa	14,622	509	540	34.8	
Sarasota	26,483	784	979	29.6	L
Seminole	41,667	1,042	1,540	25.0	L
Sumter	6,011	247	222	41.1	
Suwannee	3,566	240	132	67.3	H
Taylor	2,032	136	75	66.9	H
Union	1,312	80	48	61.0	H
Volusia	46,294	1,676	1,711	36.2	
Wakulla	2,841	97	105	34.1	
Walton	4,988	227	184	45.5	H
Washington	2,345	129	87	55.0	H

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**Florida Repeat Birth Rates for Mothers Ages 15-17  
2008 Through 2010**

<b>County</b>	<b>2008 - 2010 Number of Births to Females 15-17</b>	<b>2008 - 2010 Actual Number of Repeat Births to Mothers 15-17</b>	<b>2008 - 2010 Expected Number of Repeat Births to Mothers 15-17</b>	<b>Actual Percent Repeat Births</b>	<b>Statistical Significance*</b>
<b>Statewide</b>	18,982	1,795	1,795	9.5%	
Alachua	240	26	23	10.8%	
Baker	52	6	5	11.5%	
Bay	234	20	22	8.5%	
Bradford	28	1	3	3.6%	
Brevard	386	26	37	6.7%	L
Broward	1,239	127	117	10.3%	
Calhoun	25	5	2	20.0%	
Charlotte	103	7	10	6.8%	
Citrus	105	6	10	5.7%	
Clay	173	9	16	5.2%	L
Collier	306	35	29	11.4%	
Columbia	105	9	10	8.6%	
Dade	2,317	226	219	9.8%	
Desoto	78	6	7	7.7%	
Dixie	23	1	2	4.3%	
Duval	1,099	94	104	8.6%	
Escambia	491	56	46	11.4%	
Flagler	80	5	8	6.3%	
Franklin	13	0	1	0.0%	
Gadsden	111	10	10	9.0%	
Gilchrist	10	0	1	0.0%	
Glades	11	1	1	9.1%	
Gulf	12	0	1	0.0%	
Hamilton	26	3	2	11.5%	
Hardee	91	14	9	15.4%	
Hendry	106	10	10	9.4%	
Hernando	117	4	11	3.4%	L
Highlands	125	17	12	13.6%	
Hillsborough	1,652	162	156	9.8%	
Holmes	26	4	2	15.4%	
Indian River	130	11	12	8.5%	
Jackson	68	7	6	10.3%	
Jefferson	17	3	2	17.6%	
Lafayette	8	1	1	12.5%	
Lake	324	30	31	9.3%	
Lee	606	63	57	10.4%	
Leon	196	19	19	9.7%	
Levy	55	0	5	0.0%	L
Liberty	6	0	1	0.0%	
Madison	26	1	2	3.8%	
Manatee	427	43	40	10.1%	
Marion	433	34	41	7.9%	
Martin	106	8	10	7.5%	
Monroe	23	2	2	8.7%	
Nassau	77	1	7	1.3%	L
Okaloosa	160	12	15	7.5%	
Okeechobee	94	6	9	6.4%	
Orange	1,359	137	129	10.1%	
Osceola	379	30	36	7.9%	
Palm Beach	1,093	120	103	11.0%	
Pasco	357	25	34	7.0%	
Pinellas	806	83	76	10.3%	
Polk	841	90	80	10.7%	
Putnam	180	19	17	10.6%	
Saint Johns	114	8	11	7.0%	
Saint Lucie	283	23	27	8.1%	
Santa Rosa	146	8	14	5.5%	
Sarasota	222	23	21	10.4%	
Seminole	297	25	28	8.4%	
Sumter	52	5	5	9.6%	
Suwannee	77	9	7	11.7%	
Taylor	42	4	4	9.5%	
Union	23	0	2	0.0%	
Volusia	447	44	42	9.8%	
Wakulla	29	4	3	13.8%	
Walton	59	3	6	5.1%	
Washington	36	4	3	11.1%	

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**Florida Repeat Birth Rates for Mothers Ages 15-19  
2008 Through 2010**

<b>County</b>	<b>2008 - 2010 Number of Births to Females 15-19</b>	<b>2008 - 2010 Actual Number of Repeat Births to Mothers 15-19</b>	<b>2008 - 2010 Expected Number of Repeat Births to Mothers 15-19</b>	<b>Actual Percent Repeat Births</b>	<b>Statistical Significance*</b>
<b>Statewide</b>	65,214	12,029	12,029	18.4%	
Alachua	845	162	156	19.2%	
Baker	175	32	32	18.3%	
Bay	905	170	167	18.8%	
Bradford	161	29	30	18.0%	
Brevard	1,392	229	257	16.5%	L
Broward	4,461	776	823	17.4%	
Calhoun	81	12	15	14.8%	
Charlotte	357	52	66	14.6%	L
Citrus	446	63	82	14.1%	L
Clay	664	89	122	13.4%	L
Collier	961	203	177	21.1%	H
Columbia	412	80	76	19.4%	
Dade	7,751	1,356	1,430	17.5%	L
Desoto	203	37	37	18.2%	
Dixie	75	10	14	13.3%	
Duval	3,988	750	736	18.8%	
Escambia	1,625	339	300	20.9%	H
Flagler	263	42	49	16.0%	
Franklin	62	4	11	6.5%	L
Gadsden	329	64	61	19.5%	
Gilchrist	62	18	11	29.0%	H
Glades	46	8	8	17.4%	
Gulf	54	8	10	14.8%	
Hamilton	99	28	18	28.3%	H
Hardee	256	67	47	26.2%	H
Hendry	312	62	58	19.9%	
Hernando	485	79	89	16.3%	
Highlands	392	86	72	21.9%	
Hillsborough	5,440	1,122	1,003	20.6%	H
Holmes	106	26	20	24.5%	
Indian River	423	67	78	15.8%	
Jackson	241	46	44	19.1%	
Jefferson	61	14	11	23.0%	
Lafayette	37	8	7	21.6%	
Lake	1,118	202	206	18.1%	
Lee	1,994	409	368	20.5%	H
Leon	772	144	142	18.7%	
Levy	203	33	37	16.3%	
Liberty	31	5	6	16.1%	
Madison	100	16	18	16.0%	
Manatee	1,313	296	242	22.5%	H
Marion	1,482	296	273	20.0%	
Martin	345	68	64	19.7%	
Monroe	121	20	22	16.5%	
Nassau	308	52	57	16.9%	
Okaloosa	697	124	129	17.8%	
Okeechobee	289	55	53	19.0%	
Orange	4,322	786	797	18.2%	
Osceola	1,232	182	227	14.8%	L
Palm Beach	3,529	680	651	19.3%	
Pasco	1,344	214	248	15.9%	L
Pinellas	2,713	512	500	18.9%	
Polk	3,062	603	565	19.7%	
Putnam	504	99	93	19.6%	
Saint Johns	377	52	70	13.8%	L
Saint Lucie	1,021	188	188	18.4%	
Santa Rosa	509	65	94	12.8%	L
Sarasota	784	121	145	15.4%	L
Seminole	1,042	165	192	15.8%	L
Sumter	247	46	46	18.6%	
Suwannee	240	56	44	23.3%	H
Taylor	136	23	25	16.9%	
Union	80	15	15	18.8%	
Volusia	1,676	284	309	16.9%	
Wakulla	97	13	18	13.4%	
Walton	227	38	42	16.7%	
Washington	129	29	24	22.5%	

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