

Mission:

To protect, promote & improve the health of all people in Florida through integrated state, county & community efforts.



Rick Scott
Governor

John H. Armstrong, MD, FACS
State Surgeon General & Secretary

Vision: To be the Healthiest State in the Nation

Florida Actual versus Expected Teen Births and Repeat Teen Births By County 2010 through 2012

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.

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.

Please contact Dan Thompson at dan_thompson@doh.state.fl.us if there are questions or comments.

CFHS – Dan Thompson 09/12/13

**Florida Teen Birth Rates for Mothers Ages 15-17
2010 Through 2012**

County	2010 - 2012 Number of Females 15-17	2010 - 2012 Actual Number of Births to Mothers 15-17	2010 - 2012 Expected Number of Births to Mothers 15-17	2010 - 2012 Number of Births per 1,000 Females 15-17	Statistical Significance*
Statewide	1,060,332	14,340	14,340	13.5	
Alachua	22,731	164	307	7.2	L
Baker	1,552	36	21	23.2	H
Bay	9,390	183	127	19.5	H
Bradford	1,296	26	18	20.1	H
Brevard	28,505	312	386	10.9	L
Broward	98,030	1,029	1,326	10.5	L
Calhoun	767	18	10	23.5	H
Charlotte	6,136	69	83	11.2	
Citrus	5,937	103	80	17.3	H
Clay	12,771	133	173	10.4	L
Collier	14,960	206	202	13.8	
Columbia	3,582	64	48	17.9	H
Dade	145,706	1,687	1,971	11.6	L
Desoto	1,732	46	23	26.6	H
Dixie	731	18	10	24.6	H
Duval	51,339	822	694	16.0	H
Escambia	18,822	333	255	17.7	H
Flagler	4,792	66	65	13.8	
Franklin	454	12	6	26.4	H
Gadsden	2,760	69	37	25.0	H
Gilchrist	928	16	13	17.2	
Glades	531	7	7	13.2	
Gulf	630	12	9	19.0	
Hamilton	702	19	9	27.1	H
Hardee	1,650	69	22	41.8	H
Hendry	2,561	84	35	32.8	H
Hernando	8,620	95	117	11.0	L
Highlands	4,302	91	58	21.2	H
Hillsborough	77,251	1,282	1,045	16.6	H
Holmes	1,026	22	14	21.4	H
Indian River	6,489	106	88	16.3	H
Jackson	2,586	27	35	10.4	
Jefferson	658	10	9	15.2	
Lafayette	398	4	5	10.1	
Lake	14,873	258	201	17.3	H
Lee	30,774	458	416	14.9	H
Leon	26,709	152	361	5.7	L
Levy	2,162	31	29	14.3	
Liberty	374	10	5	26.7	H
Madison	1,046	21	14	20.1	
Manatee	15,920	332	215	20.9	H
Marion	16,121	298	218	18.5	H
Martin	6,638	66	90	9.9	L
Monroe	2,659	24	36	9.0	L
Nassau	4,055	54	55	13.3	
Okaloosa	9,916	138	134	13.9	
Okeechobee	2,272	62	31	27.3	H
Orange	77,739	1,017	1,051	13.1	
Osceola	18,330	307	248	16.7	H
Palm Beach	68,629	788	928	11.5	L
Pasco	23,997	260	325	10.8	L
Pinellas	43,250	594	585	13.7	
Polk	34,742	698	470	20.1	H
Putnam	3,980	126	54	31.7	H
Saint Johns	11,330	59	153	5.2	L
Saint Lucie	15,126	217	205	14.3	
Santa Rosa	9,123	118	123	12.9	
Sarasota	15,682	200	212	12.8	
Seminole	26,815	234	363	8.7	L
Sumter	2,144	45	29	21.0	H
Suwannee	2,254	55	30	24.4	H
Taylor	1,087	38	15	35.0	H
Union	703	15	10	21.3	
Volusia	26,072	329	353	12.6	
Wakulla	1,653	22	22	13.3	
Walton	2,555	52	35	20.4	H
Washington	1,277	22	17	17.2	

* 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
2010 Through 2012**

County	2010 - 2012 Number of Females 15-19	2010 - 2012 Actual Number of Births to Mothers 15-19	2010 - 2012 Expected Number of Births to Mothers 15-19	2010 - 2012 Number of Births per 1,000 Females 15-19	Statistical Significance*
Statewide	1,766,219	52,216	52,216	29.6	
Alachua	37,869	655	1,120	17.3	L
Baker	2,573	146	76	56.7	H
Bay	15,632	756	462	48.4	H
Bradford	2,141	123	63	57.4	H
Brevard	47,493	1,160	1,404	24.4	L
Broward	163,366	3,658	4,830	22.4	L
Calhoun	1,267	70	37	55.2	H
Charlotte	10,210	311	302	30.5	
Citrus	9,880	400	292	40.5	H
Clay	21,270	546	629	25.7	L
Collier	24,915	680	737	27.3	L
Columbia	5,952	290	176	48.7	H
Dade	242,829	5,889	7,179	24.3	L
Desoto	2,872	160	85	55.7	H
Dixie	1,203	64	36	53.2	H
Duval	85,550	3,187	2,529	37.3	H
Escambia	31,356	1,276	927	40.7	H
Flagler	7,974	228	236	28.6	
Franklin	743	54	22	72.7	H
Gadsden	4,586	243	136	53.0	H
Gilchrist	1,532	57	45	37.2	
Glades	870	28	26	32.2	
Gulf	1,037	44	31	42.4	H
Hamilton	1,156	80	34	69.2	H
Hardee	2,735	193	81	70.6	H
Hendry	4,253	260	126	61.1	H
Hernando	14,354	423	424	29.5	
Highlands	7,156	334	212	46.7	H
Hillsborough	128,733	4,490	3,806	34.9	H
Holmes	1,699	77	50	45.3	H
Indian River	10,803	355	319	32.9	H
Jackson	4,297	169	127	39.3	H
Jefferson	1,080	41	32	38.0	
Lafayette	651	30	19	46.1	H
Lake	24,773	902	732	36.4	H
Lee	51,276	1,637	1,516	31.9	H
Leon	44,501	632	1,316	14.2	L
Levy	3,586	147	106	41.0	H
Liberty	610	32	18	52.5	H
Madison	1,731	69	51	39.9	H
Manatee	26,519	1,065	784	40.2	H
Marion	26,855	1,126	794	41.9	H
Martin	11,045	267	327	24.2	L
Monroe	4,419	95	131	21.5	L
Nassau	6,739	237	199	35.2	H
Okaloosa	16,513	592	488	35.9	H
Okeechobee	3,771	219	111	58.1	H
Orange	129,550	3,582	3,830	27.6	L
Osceola	30,534	1,006	903	32.9	H
Palm Beach	114,364	2,771	3,381	24.2	L
Pasco	39,983	1,127	1,182	28.2	
Pinellas	72,068	2,131	2,131	29.6	
Polk	57,884	2,419	1,711	41.8	H
Putnam	6,622	402	196	60.7	H
Saint Johns	18,868	314	558	16.6	L
Saint Lucie	25,192	813	745	32.3	H
Santa Rosa	15,191	442	449	29.1	
Sarasota	26,121	669	772	25.6	L
Seminole	44,675	825	1,321	18.5	L
Sumter	3,556	211	105	59.3	H
Suwannee	3,744	177	111	47.3	H
Taylor	1,801	113	53	62.7	H
Union	1,159	70	34	60.4	H
Volusia	43,437	1,298	1,284	29.9	
Wakulla	2,737	76	81	27.8	
Walton	4,247	163	126	38.4	H
Washington	2,111	110	62	52.1	H

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**Florida Repeat Birth Rates for Mothers Ages 15-17
2010 Through 2012**

County	2010 - 2012 Number of Births to Females 15-17	2010 - 2012 Actual Number of Repeat Births to to Mothers 15-17	2010 - 2012 Expected Number of Repeat Births to to Mothers 15-17	2010 - 2012 Actual Percent Repeat Births to to Mothers 15-17	Statistical Significance*
Statewide	14,340	1,191	1,191	8.3%	
Alachua	164	23	14	14.0%	H
Baker	36	4	3	11.1%	
Bay	183	14	15	7.7%	
Bradford	26	4	2	15.4%	
Brevard	312	17	26	5.4%	L
Broward	1,029	78	85	7.6%	
Calhoun	18	1	1	5.6%	
Charlotte	69	4	6	5.8%	
Citrus	103	6	9	5.8%	
Clay	133	9	11	6.8%	
Collier	206	8	17	3.9%	L
Columbia	64	5	5	7.8%	
Dade	1,687	156	140	9.2%	
Desoto	46	4	4	8.7%	
Dixie	18	1	1	5.6%	
Duval	822	77	68	9.4%	
Escambia	333	33	28	9.9%	
Flagler	66	1	5	1.5%	L
Franklin	12	0	1	0.0%	
Gadsden	69	8	6	11.6%	
Gilchrist	16	1	1	6.3%	
Glades	7	0	1	0.0%	
Gulf	12	1	1	8.3%	
Hamilton	19	3	2	15.8%	
Hardee	69	7	6	10.1%	
Hendry	84	7	7	8.3%	
Hernando	95	1	8	1.1%	L
Highlands	91	12	8	13.2%	
Hillsborough	1,282	131	106	10.2%	H
Holmes	22	1	2	4.5%	
Indian River	106	4	9	3.8%	
Jackson	27	1	2	3.7%	
Jefferson	10	1	1	10.0%	
Lafayette	4	1	0	25.0%	
Lake	258	12	21	4.7%	L
Lee	458	39	38	8.5%	
Leon	152	11	13	7.2%	
Levy	31	0	3	0.0%	
Liberty	10	1	1	10.0%	
Madison	21	0	2	0.0%	
Manatee	332	43	28	13.0%	H
Marion	298	19	25	6.4%	
Martin	66	6	5	9.1%	
Monroe	24	2	2	8.3%	
Nassau	54	2	4	3.7%	
Okaloosa	138	4	11	2.9%	L
Okeechobee	62	5	5	8.1%	
Orange	1,017	81	84	8.0%	
Osceola	307	28	25	9.1%	
Palm Beach	788	93	65	11.8%	H
Pasco	260	10	22	3.8%	L
Pinellas	594	41	49	6.9%	
Polk	698	51	58	7.3%	
Putnam	126	14	10	11.1%	
Saint Johns	59	5	5	8.5%	
Saint Lucie	217	12	18	5.5%	
Santa Rosa	118	7	10	5.9%	
Sarasota	200	19	17	9.5%	
Seminole	234	18	19	7.7%	
Sumter	45	3	4	6.7%	
Suwannee	55	6	5	10.9%	
Taylor	38	2	3	5.3%	
Union	15	1	1	6.7%	
Volusia	329	24	27	7.3%	
Wakulla	22	3	2	13.6%	
Walton	52	3	4	5.8%	
Washington	22	2	2	9.1%	

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**Florida Repeat Birth Rates for Mothers Ages 15-19
2010 Through 2012**

County	2010 - 2012 Number of Births to Females 15-19	2010 - 2012 Actual Number of Repeat Births to to Mothers 15-19	2010 - 2012 Expected Number of Repeat Births to to Mothers 15-19	2010 - 2012 Actual Percent Repeat Births to to Mothers 15-19	Statistical Significance*
Statewide	52,216	9,091	9,091	17.4%	
Alachua	655	123	114	18.8%	
Baker	146	36	25	24.7%	H
Bay	756	131	132	17.3%	
Bradford	123	20	21	16.3%	
Brevard	1,160	152	202	13.1%	L
Broward	3,658	635	637	17.4%	
Calhoun	70	13	12	18.6%	
Charlotte	311	54	54	17.4%	
Citrus	400	57	70	14.3%	
Clay	546	65	95	11.9%	L
Collier	680	111	118	16.3%	
Columbia	290	49	50	16.9%	
Dade	5,889	989	1,025	16.8%	
Desoto	160	30	28	18.8%	
Dixie	64	9	11	14.1%	
Duval	3,187	583	555	18.3%	
Escambia	1,276	258	222	20.2%	H
Flagler	228	30	40	13.2%	
Franklin	54	9	9	16.7%	
Gadsden	243	57	42	23.5%	H
Gilchrist	57	7	10	12.3%	
Glades	28	6	5	21.4%	
Gulf	44	6	8	13.6%	
Hamilton	80	17	14	21.3%	
Hardee	193	46	34	23.8%	H
Hendry	260	47	45	18.1%	
Hernando	423	52	74	12.3%	L
Highlands	334	61	58	18.3%	
Hillsborough	4,490	912	782	20.3%	H
Holmes	77	10	13	13.0%	
Indian River	355	62	62	17.5%	
Jackson	169	34	29	20.1%	
Jefferson	41	6	7	14.6%	
Lafayette	30	7	5	23.3%	
Lake	902	141	157	15.6%	
Lee	1,637	264	285	16.1%	
Leon	632	106	110	16.8%	
Levy	147	22	26	15.0%	
Liberty	32	3	6	9.4%	
Madison	69	4	12	5.8%	L
Manatee	1,065	232	185	21.8%	H
Marion	1,126	217	196	19.3%	
Martin	267	52	46	19.5%	
Monroe	95	9	17	9.5%	L
Nassau	237	40	41	16.9%	
Okaloosa	592	92	103	15.5%	
Okeechobee	219	38	38	17.4%	
Orange	3,582	657	624	18.3%	
Osceola	1,006	156	175	15.5%	
Palm Beach	2,771	520	482	18.8%	H
Pasco	1,127	154	196	13.7%	L
Pinellas	2,131	357	371	16.8%	
Polk	2,419	446	421	18.4%	
Putnam	402	73	70	18.2%	
Saint Johns	314	49	55	15.6%	
Saint Lucie	813	145	142	17.8%	
Santa Rosa	442	45	77	10.2%	L
Sarasota	669	98	116	14.6%	L
Seminole	825	122	144	14.8%	L
Sumter	211	39	37	18.5%	
Suwannee	177	30	31	16.9%	
Taylor	113	14	20	12.4%	
Union	70	16	12	22.9%	
Volusia	1,298	205	226	15.8%	
Wakulla	76	12	13	15.8%	
Walton	163	28	28	17.2%	
Washington	110	21	19	19.1%	

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