

Pregnancies by Outcome and Fertility, Abortion and Pregnancy Rates by County  
 Estimated Population for Females,  
 Michigan Residents, 2011

County of Residence	Females Age 10 - 14 Population	Live Births	Abortions	Estimated	Estimated Pre	Rates Fertility	Abortion	Pregnancy
Michigan	326037	94	97	29	220	0.3	0.3	0.7
Alcona	228	0	---	0	---	---	---	*
Alger	262	0	---	0	---	---	---	---
Allegan	4031	2	0	0	2	---	*	*
Alpena	886	0	0	0	0	---	---	*
Antrim	670	0	0	0	0	---	*	*
Arenac	450	0	0	0	---	---	---	---
Baraga	279	0	0	0	---	---	---	---
Barry	2053	0	0	0	---	*	---	---
Bay	3254	0	0	0	0	---	---	*
Benzie	521	0	0	0	0	*	*	*
Berrien	5043	2	3	1	6	*	*	1.2
Branch	1435	0	0	0	0	---	---	*
Calhoun	4544	0	4	0	4	*	*	0.9
Cass	1766	0	0	0	0	*	---	*
Charlevoix	840	0	1	0	1	---	---	---
Cheboygan	748	0	0	0	---	---	---	---
Chippewa	1101	1	0	0	1	---	---	---
Clare	804	0	0	0	---	---	---	---
Clinton	2685	0	0	0	---	---	---	---
Crawford	392	0	0	0	0	---	---	*
Delta	1053	0	0	0	---	---	---	---
Dickinson	783	0	0	0	---	*	---	---
Eaton	3627	1	0	0	1	*	---	*
Emmet	1078	0	0	0	---	---	---	---

Genesee	14557	6	5	2	13	0.4*		0.9
Gladwin	800	1	1	0	---	---	---	---
Gogebic	369	0	0	0	---	---	---	---
Grand Traverse	2724	0	0	0	0	*	---	*
Gratiot	1277	0	1	0	---	---	---	---
Hillsdale	1572	1	0	0	1	---	*	*
Houghton	1012	0	0	0	---	---	---	---
Huron	1023	2	0	0	---	---	---	---
Ingham	7775	4	0	1	5	*	*	0.6
Ionia	2178	0	0	0	---	---	---	---

Pregnancies by Outcome and Fertility, Abortion and Pregnancy Rates by County  
Estimated Population for Females,  
Michigan Residents, 2011 (Continued)

Females Age 10 - 14

County of Residence	Population	Live Births	Abortions	Estimated	Estimated Pre	Rates	Abortion	Pregnancy
						Fertility		
Iosco	680	0	---	---	0	*	---	*
Iron	289	0	---	---	---	---	---	---
Isabella	1712	0	0	---	0	---	*	*
Jackson	5189	1	0	---	1	---	*	*
Kalamazoo	7901	3	5	1	9	*	*	1.1
Kalkaska	536	0	0	---	---	---	---	---
Kent	21520	7	4	2	13	0.3*	*	0.6
Keweenaw	55	0	0	---	---	---	---	---
Lake	305	0	0	---	---	---	---	---

Lapeer	3086	1	1	---	---	2	---	---	---
Leelanau	606	0	0	---	---	0	*	*	---
Lenawee	3238	0	0	---	---	---	---	---	---
Livingston	6956	1	1	---	---	---	---	---	---
Luce	155	0	0	---	---	0	*	*	---
Mackinac	275	0	0	---	---	---	---	---	---
Macomb	27280	3	6	1	---	10	*	0.2	0.4
Manistee	714	0	0	---	---	0	*	*	*
Marquette	1625	0	0	---	---	---	---	---	---
Mason	812	1	0	---	---	1	---	---	---
Mecosta	1196	0	0	---	---	---	---	---	---
Menominee	750	0	0	---	---	0	---	*	---
Midland	2803	0	0	---	---	0	*	*	---
Missaukee	494	0	0	---	---	---	---	---	---
Monroe	5277	1	0	---	---	1	---	---	---
Montcalm	2126	0	1	---	---	1	*	---	---
Montmorency	226	0	0	---	---	---	---	---	---
Muskegon	5940	4	3	1	---	7	*	---	---
Newaygo	1657	0	0	---	---	---	---	---	---
Oakland	40666	4	5	1	---	10	*	0.1	0.2
Oceana	926	0	0	---	---	0	*	---	*
Ogemaw	627	0	0	---	---	---	---	---	---
Ontonagon	142	0	0	---	---	---	---	---	---
Osceola	801	0	0	---	---	---	---	---	---
Oscoda	223	0	0	---	---	---	---	---	---
Otsego	765	0	0	---	---	---	---	---	---
Ottawa	9728	2	0	0	---	2	*	*	0.2

Pregnancies by Outcome and Fertility, Abortion and Pregnancy Rates by County

Estimated Population for Females,

Michigan Residents, 2011 (Continued)

County of Residence Females Age 10 - 14

County of Residence	Population	Live Births	Abortions	Estimated	Estimated Pre	Rates	Abortion	Pregnancy
						Fertility		
Presque Isle	382	0	0	---	---	---	---	---
Roscommon	542	1	0	---	---	---	---	---
Saginaw	6436	7	3	2	12	*	*	1.9
St Clair	5443	1	0	---	---	1	---	*
St Joseph	2107	2	3	---	---	5	---	*
Sanilac	1483	0	1	---	---	1	---	*
Schoolcraft	251	0	0	---	---	---	---	---
Shiawassee	2409	0	0	---	---	0	*	*
Tuscola	1844	0	0	0	0	*	*	*
Van Buren	2723	0	1	---	---	1	---	*
Washtenaw	9555	0	0	1	1	*	*	0.1
Wayne	62716	35	48	12	95	0.6	0.8	1.5
Wexford	1045	0	0	---	---	0	---	*

Pregnancies by Outcome and Fertility, Abortion and Pregnancy Rates by County

Estimated Population for Females,

Michigan Residents, 2011 (Continued)

Females Age 18 - 19

County of Residence	Population	Live Births	Abortions	Estimated	Estimated Pre	Rates	Abortion	Pregnancy
						Fertility		
Michigan	143502	7072	2445	1659	11176	49.3	17	77.9

Alcona	76	4	0	1	5 *	---		65.8
Alger	78	2	0	1	6 *	*		76.9
Allegan	1262	86	10	18	114	68.1	7.9	90.3
Alpena	332	19	0	4	23	57.2 *		69.3
Antrim	226	19	1	4	24	84.1	4.4	106.2
Arenac	160	10	4	2	13	62.5 *		81.3
Baraga	92	6	0	1	7	65.2 ---		76.1
Barry	655	35	5	8	48	53.4 *		73.3
Bay	1191	77	13	17	107	64.7	10.9	89.8
Benzie	175	10	4	2	16	57.1 *		91.4
Berrien	1922	153	33	34	220	79.6	17.2	114.5
Branch	484	34	8	8	50	70.2 *		103.3
Calhoun	1831	141	32	31	204	77	17.5	111.4
Cass	620	49	7	11	67	79	11.3	108.1
Charlevoix	250	19	3	4	26	76 *		104
Cheboygan	231	17	0	3	20	73.6 *		86.6
Chippewa	488	28	2	6	36	57.4 *		73.8
Clare	338	35	3	7	45	103.6	8.9	133.1
Clinton	858	28	5	6	39	32.6	5.8	45.5
Crawford	145	17	1	4	22	117.2 *		151.7
Delta	385	20	1	4	24	51.9 ---		62.3
Dickinson	301	21	0	4	25	69.8 ---		83.1
Eaton	1319	65	9	14	88	49.3	6.8	66.7
Emmet	380	19	4	4	27	50 *		71.1
Genesee	5586	439	145	102	686	78.6	26	122.8
Gladwin	234	19	2	4	23	81.2 ---		98.3
Gogebic	164	10	0	2	11	61 ---		67.1
Grand Traverse	973	49	12	11	72	50.4	12.3	74
Gratiot	732	24	4	5	33	32.8 *		45.1
Hillsdale	746	44	5	9	58	59 *		77.7

Houghton	838	14	1	3	17	16.7	*		20.3
Huron	317	12	2	3	17	37.9	*		53.6
Ingham	9298	190	69	45	304	20.4		7.4	32.7
Ionia	681	62	4	13	79	91	*		116

Pregnancies by Outcome and Fertility, Abortion and Pregnancy Rates by County  
Estimated Population for Females,  
Michigan Residents, 2011 (Continued)  
Females Age 18 - 19

County of Residence	Population	Live Births	Abortions	Estimated	Estimated Pre	Rates			
						Fertility	Abortion	Pregnancy	
Iosco	250	14	7	4	25	56	28	100	
Iron	88	3	0	1	4	34.1	---	45.5	
Isabella	4105	50	14	11	75	12.2	3.4	18.3	
Jackson	2163	122	21	27	170	56.4	9.7	78.6	
Kalamazoo	5161	185	103	47	335	35.8	20	64.9	
Kalkaska	162	14	0	3	17	86.4	*	104.9	
Kent	8307	472	113	106	691	56.8	13.6	83.2	
Keweenaw	15	0	0	---	---	---	---	---	
Lake	78	7	2	2	11	89.7	*	141	
Lapeer	1069	49	8	11	68	45.8	7.5	63.6	
Leelanau	228	6	3	2	11	26.3	*	48.2	
Lenawee	1442	80	18	18	116	55.5	12.5	80.4	
Livingston	2021	42	22	11	75	20.8	10.9	37.1	
Luce	49	5	0	1	6	6*	---	122.4	
Mackinac	100	7	1	1	9	70*	*		

Macomb	9074	371	195	94	660	40.9	21.5	72.7
Manistee	209	13	3	3	19	62.2 *		90.9
Marquette	1642	24	1	5	30	14.6 *		18.3
Mason	317	28	3	6	37	88.3 *		116.7
Mecosta	1453	35	5	8	48	24.1	3.4	33
Menominee	232	20	0	4	24	86.2 ---		103.4
Midland	1059	42	5	9	56	39.7	4.7	52.9
Missaukee	172	14	2	3	17	81.4 ---		98.8
Monroe	1766	94	17	21	132	53.2	9.6	74.7
Montcalm	695	58	5	12	75	83.5	7.2	107.9
Montmorency	73	4	0	1	6 *	---		82.2
Muskegon	2267	173	22	37	232	76.3	9.7	102.3
Newaygo	555	66	1	13	79	118.9 ---		142.3
Oakland	13573	457	250	116	823	33.7	18.4	60.6
Oceana	310	26	2	5	31	83.9 ---		100
Ogemaw	226	23	2	5	30	101.8 *		132.7
Ontonagon	50	0	0 ---		0 *	---	*	
Osceola	264	14	5	3	22	53 *		83.3
Oscoda	84	6	0	1	7	71.4 ---		83.3
Otsego	295	21	2	4	27	71.2 *		91.5
Ottawa	5771	148	23	32	203	25.6	4	35.2

Pregnancies by Outcome and Fertility, Abortion and Pregnancy Rates by County

Estimated Population for Females,

Michigan Residents, 2011 (Continued)

County of Residence Females Age 18 - 19

County of Residence	Population	Live Births	Abortions	Estimated	Estimated Pre	Rates		
---------------------	------------	-------------	-----------	-----------	---------------	-------	--	--

						Fertility	Abortion	Pregnancy
Presque Isle	106	7	3	2	12	*	*	113.2
Roscommon	199	19	1	4	24	95.5	*	120.6
Saginaw	3385	185	49	42	276	54.7	14.5	81.5
St Clair	1821	123	27	27	177	67.5	14.8	97.2
St Joseph	720	50	4	10	64	69.4	*	88.9
Sanilac	463	32	2	7	41	69.1	*	88.6
Schoolcraft	85	9	0	2	11	105.9	---	129.4
Shiawassee	925	38	13	9	60	41.1	14.1	64.9
Tuscola	669	39	4	8	51	58.3	*	76.2
Van Buren	920	57	16	13	86	62	17.4	93.5
Washtenaw	9900	117	142	38	297	11.8	14.3	30
Wayne	25266	1892	934	472	3298	74.9	37	130.5
Wexford	350	34	4	7	45	97.1	*	128.6

Note: Miscarriages are estimates adapted from a Model Developed By C. Tietz and J. Bongaarts of the Population Council (20% of the L

Sources: Live birth and abortions estimates obtained from The Vital Records and Health Statistics Section, MDCH



Females Age 15 - 17 Population	Live Births	Abortions	Estimated	Estimated	Rates Fertility	Abortion	Pregnancy
204172	2583	1052	622	4257	12.7	5.2	20.9
190	2	0	---	2	*	---	*
134	1	0	0	1	*	---	*
2543	26	8	6	40	10.2	3.1	15.7
548	7	0	1	8	12.8	*	14.6
424	10	2	2	14	23.6	*	33
280	3	0	1	4	*	*	*
174	1	0	---	---	---	---	*
1260	9	2	2	13	7.1	1.6	10.3
2011	26	6	6	38	12.9	3	18.9
311	7	0	1	8	*	0	25.7
3136	59	22	14	95	18.8	7	30.3
878	17	1	4	22	19.4	*	25.1
2833	45	12	10	67	15.9	4.2	23.6
1122	13	5	3	21	11.6	*	18.7
527	3	2	1	4	*	---	*
505	5	0	1	6	*	*	*
672	6	2	1	9	8.9	*	13.4
610	6	1	1	8	9.8	*	13.1
1623	7	1	2	10	4.3	0.6	6.2
287	1	3	1	5	3.5	*	17.4
681	8	0	2	10	11.7	---	14.7
516	5	0	1	6	*	---	*
2440	25	3	5	33	10.2	1.2	13.5
687	3	2	1	6	*	*	8.7

9226	171	45	39	255	18.5	4.9	27.6
445	7	1	2	10	15.7 *		22.5
251	2	0	0	2 *	---		8
1695	16	3	4	23	9.4	1.8	13.6
797	11	1	2	14	13.8 *		17.6
972	18	2	4	24	18.5 *		24.7
567	5	0	1	6	8.8 ---		10.6
632	1	4	0	1 *		6.3 *	
4727	70	21	14	84	14.8	4.4	17.8
1342	18	5	4	22	13.4	3.7	16.4

Females Age 15 - 17

Population	Live Births	Abortions	Estimated	Estimated	Rates Fertility	Abortion	Pregnancy
394	4	2	1	5	10.2	---	12.7
218	3	0	---	3 *		---	*
909	15	1	3	19	16.5 *		20.9
3188	53	12	12	77	16.6	3.8	24.2
4464	74	25	17	116	16.6	5.6	26
330	3	2	1	4	9.1 *		*
12807	191	39	42	272	14.9	3	21.2
30	1	0	---	---	---	---	---
185	4	2	1	5 *		---	*

2086	15	4	3	22	7.2	1.9	10.5
377	6	0	1	7 *	*		18.6
2016	29	6	6	41	14.4	3	20.3
4312	18	13	5	36	4.2	3	8.3
110	1	0 ---		1 *	---	*	
200	1	2 ---		1 *	---	*	
17009	117	90	32	239	6.9	5.3	14.1
407	5	2	1	8	12.3 *		19.7
1069	9	0	2	11 *	*		10.3
558	3	3	2	12	5.4 *		21.5
719	6	4	2	12	8.3 *		16.7
479	3	0	1	4 *	---	*	
1833	9	2	2	13	4.9	1.1	7.1
319	3	1	1	5 *	*		15.7
3382	39	11	9	59	11.5	3.3	17.4
1336	16	2	3	21	12	1.5	15.7
169	0	0	0	0 *	---	*	
3572	73	13	16	102	20.4 *		28.6
1014	18	4	4	22	17.8 ---		21.7
25386	143	106	39	288	5.6	4.2	11.3
567	11	1	2	14	19.4 *		24.7
427	8	1	2	11 *	*	*	
101	0	0 ---	---	---	---	---	
546	16	0	3	19	29.3 *		34.8
186	5	0 ---		5 *	---	*	
487	0	0	0	0	0 *		0
5814	53	15	12	80	9.1	2.6	13.8

Females Age 15 - 17

Population	Live Births	Abortions	Estimated	Estimated	Rates Fertility	Abortion	Pregnancy
186	0	1	0	0	0 *	---	*
358	5	1	1	7	7 *	---	*
4108	72	21	17	110	17.5	5.1	26.8
3470	50	10	11	71	14.4	2.9	20.5
1312	20	1	4	25	15.2 *		19.1
920	8	1	2	11	8.7 *		12
166	0	1	0	0	0 *	---	*
1544	21	5	5	31	13.6	3.2	20.1
1182	11	2	2	15	9.3	1.7	12.7
1674	28	8	6	42	16.7	4.8	25.1
5932	40	41	12	93	6.7	6.9	15.7
40628	752	441	195	1388	18.5	10.9	34.2
640	7	2	2	11	10.9 *		17.2

Females Age 15 - 19

Population	Live Births	Abortions	Estimated	Estimated	Rates Fertility	Abortion	Pregnancy
347674	9655	3497	2281	15433	27.8	10.1	44.4

266	6	0	1	7	22.6	---	26.3
212	3	0	1	7	14.2	*	33
3805	112	18	24	154	29.4	4.7	40.5
880	26	0	5	31	29.5	0	35.2
650	29	3	6	38	44.6	4.6	58.5
440	13	4	3	20	29.5	*	45.5
266	7	0	1	8	26.3	---	30.1
1915	44	7	10	61	23	*	31.9
3202	103	19	23	145	32.2	5.9	45.3
486	17	4	4	25	35	*	51.4
5058	212	55	48	315	41.9	10.9	62.3
1362	51	9	11	71	37.4	*	52.1
4664	186	44	42	272	39.9	9.4	58.3
1742	62	12	14	88	35.6	6.9	50.5
777	22	5	5	32	28.3	*	41.2
736	22	0	4	26	29.9	*	35.3
1160	34	4	7	45	29.3	3.4	38.8
948	41	4	9	54	43.2	4.2	57
2481	35	6	8	49	14.1	2.4	19.8
432	18	4	4	26	41.7	*	60.2
1066	28	1	6	34	26.3	---	31.9
817	26	0	5	31	31.8	---	37.9
3759	90	12	19	121	23.9	3.2	32.2
1067	22	6	5	33	20.6	*	30.9
14812	610	190	141	941	41.2	12.8	63.5
679	26	3	6	35	38.3	*	51.5
415	12	0	2	14	28.9	---	33.7
2668	65	15	15	95	24.4	5.6	35.6
1529	35	5	8	48	22.9	3.3	31.4
1718	62	7	13	82	36.1	*	47.7

1405	19	1	4	23	13.5	---	16.4
949	13	6	3	22	13.7	6.3	23.2
14025	260	90	61	411	18.5	6.4	29.3
2023	80	9	17	106	39.5	4.4	52.4

Females Age 15 - 19

Population	Live Births	Abortions	Estimated	Estimated	Rates Fertility	Abortion	Pregnancy
644	18	9	5	32	28	14	49.7
306	6	0	1	7	19.6	---	22.9
5014	65	15	15	95	13	3	18.9
5351	175	33	38	246	32.7	6.2	46
9625	259	128	65	452	26.9	13.3	47
492	17	2	4	23	34.6	*	46.7
21114	663	152	148	963	31.4	7.2	45.6
45	1	0	---	---	---	---	---
263	11	4	3	18	41.8	*	68.4
3155	64	12	14	90	20.3	3.8	28.5
605	12	3	3	18	19.8	*	29.8
3458	109	24	24	157	31.5	6.9	45.4
6333	60	35	16	111	9.5	5.5	17.5
159	6	0	1	7	37.7	---	44
300	8	3	1	5	26.7	*	*

26083	488	285	126	899	18.7	10.9	34.5
616	18	5	4	27	29.2 *		43.8
2711	33	1	7	41	12.2 *		15.1
875	31	6	7	44	35.4 *		50.3
2172	41	9	9	59	18.9	4.1	27.2
711	23	0	5	28	32.3 ---		39.4
2892	51	7	11	69	17.6	2.4	23.9
491	17	3	4	24	34.6 *		48.9
5148	133	28	29	190	25.8	5.4	36.9
2031	74	7	16	97	36.4	3.4	47.8
242	4	0	1	5 *	---	*	
5839	246	35	53	334	42.1	6	57.2
1569	84	5	17	106	53.5	3.2	67.6
38959	600	356	156	1112	15.4	9.1	28.5
877	37	3	8	48	42.2 *		54.7
653	31	3	7	41	47.5 *		62.8
151	0	0	0	0 *	---	*	
810	30	5	7	42	37 *		51.9
270	11	0	2	13	40.7 ---		48.1
782	21	2	4	27	26.9	2.6	34.5
11585	201	38	44	283	17.4	3.3	24.4

Females Age 15 - 19

Population	Live Births	Abortions	Estimated	Estimated	Rates		
------------	-------------	-----------	-----------	-----------	-------	--	--

					Fertility	Abortion	Pregnancy
292	7	4	2	13	24 *		44.5
557	24	2	5	31	43.1	3.6	55.7
7493	257	70	58	385	34.3	9.3	51.4
5291	173	37	38	248	32.7	7	46.9
2032	70	5	15	90	34.4	2.5	44.3
1383	40	3	8	51	28.9 *		36.9
251	9	1	2	11 *	---		43.8
2469	59	18	14	91	23.9	7.3	36.9
1851	50	6	11	67	27	3.2	36.2
2594	85	24	19	128	32.8	9.3	49.3
15832	157	183	50	390	9.9	11.6	24.6
65894	2644	1375	666	4685	40.1	20.9	71.1
990	41	6	9	56	41.4	6.1	56.6

ive Births and 10% of the Abortions). County Figures may not add to state totals. Unknowns are included in the "State Total" only. Pregnancies are th

Revised Jan 31, 2013

















ie sum of live births, abortions and estimated miscarriages. All rates are per 1,000 age and sex specific population."(\*)" a rate is not calculated when tl

















here are fewer than 6 events.