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# Children and Family Health Services

## Maternal and Child Health Report

*Focus on Hamilton County Women and Children*

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### **BIRTHS TO TEENAGE MOTHERS 15-17 AND 18-19 IN HAMILTON COUNTY: 1990-1995**

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Births to teenage mothers are the subject of this issue of the CFHS Maternal and Child Health Report. The number and percent of births to teenage mothers ages 15-17 and 18-19 are reported here by neighborhood. According to the National Center for Health Statistics, the teenage birth rates for both blacks and whites have declined nationwide in recent years, including rates for younger (15-17) and older teenagers (18-19). Despite these recent declines observed at the national level, the current rates are still as high or higher than those of two decades ago.<sup>1</sup>

The increase in contraceptive use at first intercourse and a decrease in sexual activity among teens, as demonstrated by the 1995 National Survey of Family Growth, is likely contributing to the recent declines in the teenage birth rates.<sup>2</sup> According to national data, the proportion of all live births to teenagers 15-19 in 1996 was 12.9 percent. In addition, the birth rate for teenagers 15-19 was 54.7 live births per 1000 population in 1996.<sup>3</sup> In Hamilton County the proportion of live births to teenagers 15-19 was 14.0 percent in 1995 and the birth rate was 56.6 live births per 1000 population in 1995. Please note that the computation of this rate (56.6 per 1,000) makes use of a 1995 Census population estimate for females 15-19 in Hamilton County.<sup>4</sup>

Table 1 shows the number and percent of births to teenagers 15-17 and 18-19 between 1990 and 1995 by Hamilton County neighborhoods. In addition, 95% confidence intervals for the percent estimates are included in Table 1. Percent estimates can be compared

across Hamilton County neighborhoods to describe differences by using the confidence intervals. If the confidence intervals overlap for the two areas of interest, then a significant difference between the rates is not likely. In contrast, if the rates do not overlap then a significant difference is likely to exist.

The attached maps show the geographic distribution of the higher percent areas. That is, areas with a percent of 11.5 or higher for teenagers 15-17 and areas 13.0 percent and higher for teenagers 18-19 are color-coded on the maps. The highest percent areas for births to 15-17 year olds include South Cumminsville, Lincoln Heights, Queensgate, Evanston and Mt. Auburn. The highest percent areas for births to teens 18-19 include Fay Apartments, Camp Washington, Lower Price Hill, Queensgate and Linwood. The Queensgate estimates are less precise than the others because of the small sample sizes.

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<sup>1</sup> NCHS 1996 Fact Sheet, [Internet](#), 1996.

<sup>2</sup> Health & Human Services News Release, [Internet](#), 1997.

<sup>3</sup> NCHS Statistical Rolodex, [Internet](#), 1997.

<sup>4</sup> Ohio Data User's Center, 1993.

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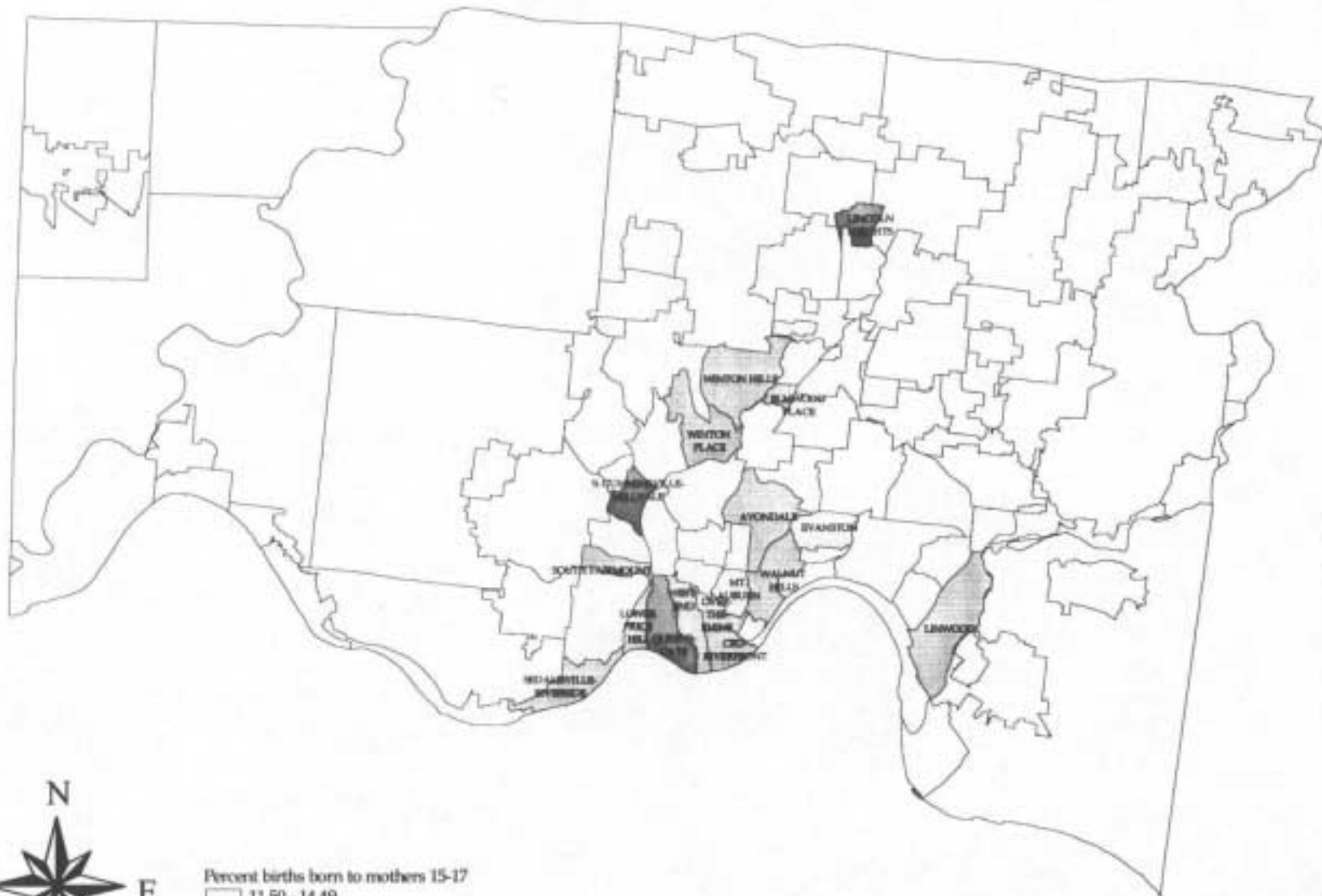
Table 1. Percent live births born to females 15-17 and 18-19 years old by neighborhood: 1990-1995.

Neighborhood	(Confidence Interval - 95%)					(Confidence Interval - 95%)				
	Number births	Number births to females 15-17	Percent births to females 15-17	Lower percent	Upper percent	Number births to females 18-19	Percent births to females 18-19	Lower percent	Upper percent	
ADDYSTON	107	4	3.74	1.02	9.57	15	14.02	7.85	23.12	
AMBERLEY VILLAGE	220	2	0.91	0.11	3.28	1	0.45	0.01	2.53	
ANDERSON TOWNSHIP	3315	28	0.84	0.56	1.22	63	1.90	1.46	2.43	
ARLINGTON HEIGHTS	91	10	10.99	5.27	20.21	8	8.79	3.79	17.32	
AVONDALE	2057	268	13.03	11.49	14.77	319	15.51	13.83	17.38	
BLUE ASH	771	18	2.33	1.38	3.69	33	4.28	2.95	6.01	
BONDHILL	1016	114	11.22	9.35	13.46	140	13.78	11.63	16.31	
CALIFORNIA	49	4	8.16	2.22	20.90	3	6.12	1.27	17.90	
CAMP WASHINGTON	216	24	11.11	7.12	16.53	42	19.44	14.01	26.28	
CARTHAGE	186	10	5.38	2.58	9.89	23	12.37	7.84	18.55	
CBD-RIVERFRONT	65	8	12.31	5.31	24.25	7	10.77	4.32	22.18	
CHEVIOT	915	10	1.09	0.52	2.01	54	5.90	4.43	7.70	
CLEVES	187	8	4.28	1.84	8.43	13	6.95	3.70	11.89	
CLIFTON	527	17	3.23	1.88	5.17	20	3.80	2.32	5.86	
COLERAIN	4917	188	3.82	3.30	4.44	350	7.12	6.40	7.92	
COLLEGE HILL	1308	70	5.35	4.17	6.76	99	7.57	6.15	9.21	
COLUMBIA	345	13	3.77	2.01	6.44	17	4.93	2.87	7.89	
CORRYVILLE	316	30	9.49	6.41	13.55	33	10.44	7.19	14.66	
CROSBY	204	11	5.39	2.69	9.65	13	6.37	3.39	10.90	
DEER PARK	531	13	2.45	1.30	4.19	12	2.26	1.17	3.95	
DELHI	2189	64	2.92	2.25	3.73	84	3.84	3.06	4.75	
EAST END	250	28	11.20	7.44	16.19	46	18.40	13.47	24.54	
EAST PRICE HILL	2324	249	10.71	9.45	12.15	266	11.45	10.10	12.98	
EAST WALNUT HILLS	256	25	9.77	6.32	14.41	16	6.25	3.57	10.15	
ELMWOOD PLACE	283	34	12.01	8.32	16.79	53	18.73	14.03	24.50	
EVANSTON	810	119	14.69	12.24	17.63	101	12.47	10.20	15.21	
EVANSTON-EAST WALNUT HILLS	188	19	10.11	6.09	15.78	26	13.83	9.03	20.27	
EVENDALE	223	2	0.90	0.11	3.24	7	3.14	1.26	6.47	
FAIRFAX	126	9	7.14	3.27	13.56	7	5.56	2.23	11.44	
FAIRVIEW-CLIFTON HEIGHTS	468	24	5.13	3.29	7.63	43	9.19	6.65	12.38	
FAY APARTMENTS	714	29	4.06	2.72	5.83	138	19.33	16.31	22.88	
FOREST PARK	1716	91	5.30	4.27	6.51	142	8.28	6.98	9.80	
GLENDALE	134	6	4.48	1.64	9.75	6	4.48	1.64	9.75	
GOLF MANOR	276	13	4.71	2.51	8.05	26	9.42	6.15	13.80	
GREEN	3991	59	1.48	1.13	1.91	135	3.38	2.82	4.06	
GREENHILLS	366	3	0.82	0.17	2.40	12	3.28	1.69	5.73	

Neighborhood	Number births	Number	Percent	Lower percent	Upper percent	Number	Percent	Lower percent	Upper percent
		births to females 15-17	births to females 15-17			births to females 18-19	births to females 18-19		
HARRISON	618	34	5.50	3.81	7.69	46	7.44	5.45	9.93
HARRISON TOWNSHIP	290	10	3.45	1.66	6.34	20	6.90	4.21	10.65
HARTWELL	478	13	2.72	1.45	4.65	26	5.44	3.55	7.97
HYDE PARK	1081	2	0.19	0.02	0.67	19	1.76	1.06	2.74
INDIAN HILL	261	1	0.38	0.01	2.13	2	0.77	0.09	2.77
KENNEDY HEIGHTS	471	33	7.01	4.82	9.84	55	11.68	8.80	15.20
LINCOLN HEIGHTS	517	92	17.79	14.34	21.82	71	13.73	10.73	17.32
LINWOOD	112	14	12.50	6.83	20.97	23	20.54	13.02	30.81
LOCKLAND	457	21	4.60	2.84	7.02	60	13.13	10.02	16.90
LOVELAND	846	11	1.30	0.65	2.33	41	4.85	3.48	6.57
LOWER PRICE HILL	263	35	13.31	9.27	18.51	55	20.91	15.75	27.22
MADERA	616	2	0.32	0.04	1.17	6	0.97	0.36	2.12
MADISONVILLE	1139	114	10.01	8.34	12.01	140	12.29	10.37	14.55
MARIEMONT	319	6	1.88	0.69	4.09	5	1.57	0.51	3.66
MIAMI	616	20	3.25	1.98	5.01	31	5.03	3.42	7.14
MONTGOMERY	532	5	0.94	0.30	2.19	10	1.88	0.90	3.46
MOUNT HEALTHY	721	24	3.33	2.13	4.95	46	6.38	4.67	8.51
MT.ADAMS	45	1	2.22	0.07	12.38	0	0.00	0.00	0.00
MT.AIRY	1324	75	5.66	4.46	7.10	147	11.10	9.37	13.15
MT.AUBURN	809	118	14.59	12.15	17.50	115	14.22	11.63	17.34
MT.LOOKOUT	452	1	0.22	0.01	1.23	2	0.44	0.05	1.60
MT.LOOKOUT-COLUMBIA T.	258	11	4.26	2.13	7.63	16	6.20	3.55	10.07
MT.WASHINGTON	1032	18	1.74	1.03	2.76	52	5.04	3.76	6.61
NEWTOWN	172	7	4.07	1.63	8.38	13	7.56	4.02	12.92
NORTH AVONDALE-PAD. HILLS	377	23	6.10	3.87	9.15	28	7.43	4.94	10.73
NORTH BEND	32	3	9.38	1.94	27.41	4	12.50	3.41	32.00
NORTH COLLEGE HILL	929	28	3.01	2.00	4.36	40	4.31	3.08	5.86
NORTH FAIRMOUNT-E. WOODS	1006	112	11.13	9.11	13.58	190	18.89	16.28	21.91
NORTHSIDE	1046	96	9.18	7.43	11.21	132	12.62	10.51	15.14
NORWOOD	2076	127	6.12	5.10	7.34	207	9.97	8.66	11.48
OAKLEY	1092	40	3.66	2.62	4.99	77	7.05	5.57	8.81
OVER-THE-RHINE	1600	188	11.75	10.13	13.63	290	18.13	16.17	20.32
PLEASANT RIDGE	940	40	4.26	3.04	5.79	47	5.00	3.67	6.65
QUEENSGATE	15	4	26.67	7.27	68.27	3	20.00	4.13	58.47
READING	940	35	3.72	2.59	5.18	56	5.96	4.50	7.74
RIVERSIDE-SAYLER PARK	119	6	5.04	1.85	10.97	11	9.24	4.61	16.54
ROSELAWN	533	39	7.32	5.20	10.00	45	8.44	6.16	11.30
SAYLER PARK	344	19	5.52	3.33	8.63	27	7.85	5.17	11.42

Neighborhood	Number births	Number	Percent	Lower percent	Upper percent	Number	Percent	Lower percent	Upper percent
		births to females 15-17	births to females 15-17			births to females 18-19	births to females 18-19		
SEDAMSVILLE-RIVERSIDE	268	35	13.06	9.10	18.16	30	11.19	7.55	15.98
SHARONVILLE	837	16	1.91	1.09	3.10	35	4.18	2.91	5.82
SILVERTON	490	17	3.47	2.02	5.56	33	6.73	4.64	9.46
S.CUMMINSVILLE-MILLVALE	620	123	19.84	16.53	23.81	108	17.42	14.25	21.25
SOUTH FAIRMOUNT	475	64	13.47	10.38	17.21	76	16.00	12.61	20.03
SPRINGDALE	733	19	2.59	1.56	4.05	46	6.28	4.59	8.37
SPRINGFIELD	2872	119	4.14	3.39	5.06	180	6.27	5.40	7.27
ST.BERNARD	615	43	6.99	5.06	9.42	87	14.15	11.33	17.45
SYCAMORE	1337	43	3.22	2.33	4.33	34	2.54	1.76	3.55
SYMMES	886	10	1.13	0.54	2.08	13	1.47	0.78	2.51
TERRACE PARK	138	0	0.00	0.00	2.67	1	0.72	0.02	4.04
UNIVERSITY HEIGHTS	397	14	3.53	1.93	5.92	17	4.28	2.49	6.86
WALNUT HILLS	1001	134	13.39	11.15	16.06	129	12.89	10.74	15.46
WEST PRICE HILL	1975	92	4.66	3.75	5.71	143	7.24	6.11	8.57
WESTEND	1968	232	11.79	10.23	13.57	349	17.73	15.94	19.72
WESTWOOD	3966	185	4.66	4.02	5.41	285	7.19	6.34	8.15
WHITEWATER	429	15	3.50	1.96	5.77	44	10.26	7.45	13.77
WINTON HILLS	1201	149	12.41	10.47	14.69	206	17.15	14.89	19.74
WINTON PLACE	252	35	13.89	9.67	19.32	29	11.51	7.71	16.53
WOODLAWN	197	17	8.63	5.03	13.82	28	14.21	9.45	20.54
WYOMING	554	5	0.90	0.29	2.11	12	2.17	1.12	3.78

Percent of births born to mothers 15-17 years old  
*Hamilton County: 1990-1995*

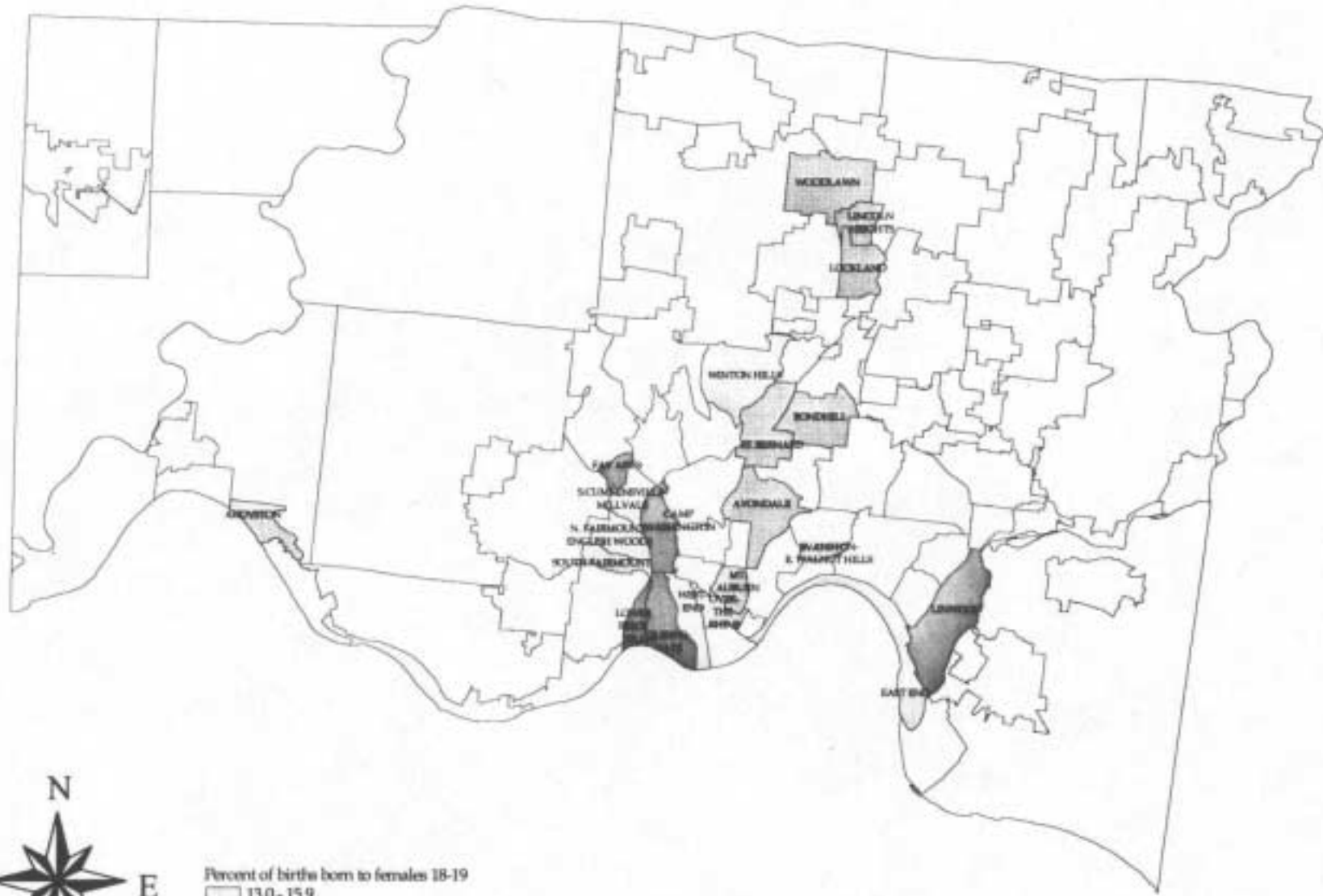


Percent births born to mothers 15-17

(Lightest Gray)	11.50 - 14.49
(Medium Gray)	14.50 - 17.49
(Darkest Gray)	17.50 - 26.99

Note: Areas with percents less than 11.5 are not represented by graduated colors.

Percent of births born to mothers 18-19 years old  
Hamilton County: 1990-1995



Percent of births born to females 18-19  
 13.0 - 15.9  
 16.0 - 18.9  
 19.0 - 22.0

Note: Areas with percents less than 13.0 are not represented by graduated colors.

Source of data: Ohio Department of Health birth certificate data files (1990-1995)