



## Maternal and Infant Health Indicators Highlights in Miami-Dade County, 2003

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**Live births** in Miami-Dade County slightly increased from 32,079 in 2002 to 32,504 in 2003. This number climbed again after a decline in 2002. The number of live births had increased from 31,487 in 1999 to 32,297 in 2000 and 32,395 in 2001. The fertility rate in Miami-Dade is 63.6 live births per 1,000 women aged 15-44 years in 2003 as compared to 63.2 in 1999.

**Birth rate for young teenagers** has decreased consistently since 1991. There were 0.72 live births per 1,000 women aged 10-14 years in 2003, which was 67.3% lower than the 2.2 live births per 1,000 rate observed among women age 10-14 years old in 1991 (Figure 1).

**Birth rate for teenagers 15-19 years** decreased to 36.7 live births per 1,000 women aged 15-19 years in 2003 from 61.6 in 1991 (Figure 2). This rate has declined 40.4% since 1991.

**Prenatal care utilization during the first trimester of pregnancy** improved to 89.0% in 2003, from 85.9% in 1999 and 75% in 1991 (Figures 3a-3b). This increase was observed

across all race/ethnicity groups. The proportion of pregnant women with late or no care decreased to 1.6% in 2003 from 2.1% in 1999 and 4.5% in 1991.

**The percent of low birth-weight live births** (less than 2,500 grams) continued to increase to 8.6% in 2003 from 8.1% in 2002, 7.9% in 1999 and from 7.8% in 1991 (Figures 4a-4b).

Although the low birth weight rate has been on the rise in the nation as a whole over the last decade, different trends are observed by race/ethnicity. In Miami-Dade, the low birth weight rate increased to 13.6% in 2003 from 11.4% in 1999 among non-Hispanic Black mothers; it also increased among non-Hispanic White mothers to 7.8% in 2003 from 6.7% in 1999. The low birth weight rate was more stable among Hispanic mothers compared to the rate of 1999 (6.8% in 2003 vs 6.5% in 1999). The low birth weight rate increased to 12.4% in 2003 from 11% in 1999 among Haitian Mothers.



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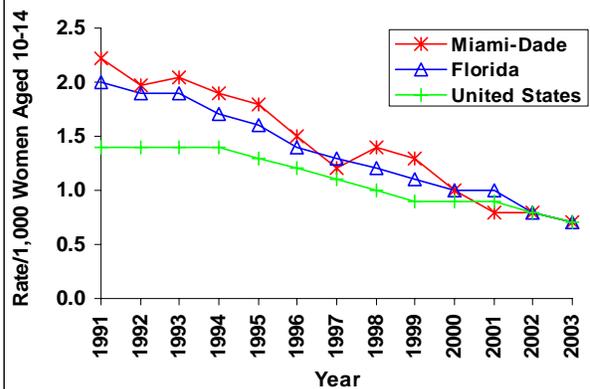
**The infant mortality rate** increased to 5.9 deaths per 1,000 live births in 2003 after reaching a historical low level of 5.1 per 1,000 live births in 1999 (Figures 5a-5b). This rate was 7.5 (1992), 7.6 (1993), 6.6 (1994), 5.6 (1995), 5.9 (1996), 5.6 (1997), 5.7 (1998), 5.1 (1999), 5.8 (2000), 5.8 (2001) and 5.9 (2002). Neonatal deaths accounted for 62.5% of infant deaths in Miami-Dade during the year 2003. The neonatal mortality rate slightly declined to 3.7 in 2003 from 4.0 per 1,000 live births in 2002. The neonatal mortality rate was 3.9 in 2000 and 3.8 in 2001. The postnatal mortality rate was 2.2 per 1,000 live births for 2003, 1.8 in 1999, 1.8 in 2000, 2.0 in 2001 and 1.9 in 2002. Due to incomplete race/ethnicity information available on the vital records (20.8% of race/ethnicity information is unknown) it was impossible to ascertain whether the increase in the total number of infant deaths was due to factors related to non-Hispanic Black mothers or Haitian mothers (Table 1).

### References

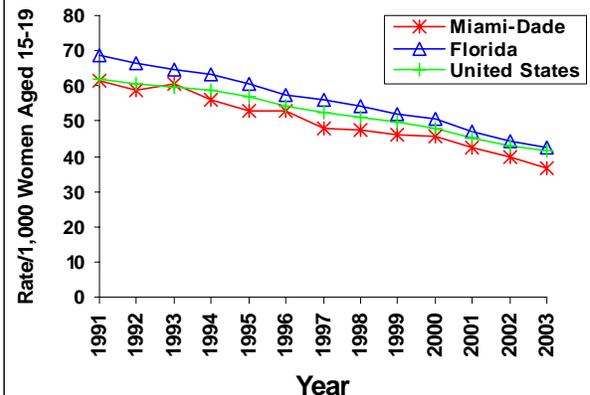
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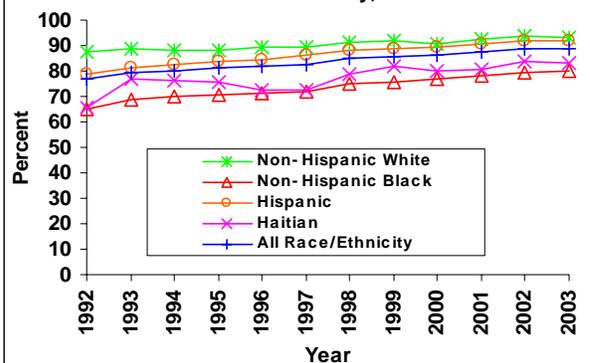
**Figure 1. Birth Rate for Teenagers 10-14 years in Miami-Dade County, Florida and United States, 1991-2003**



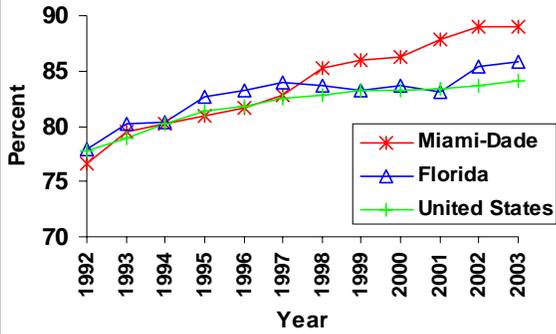
**Figure 2. Birth Rate for Teenagers 15-19 Years in Miami-Dade County, Florida and United States, 1991-1993**



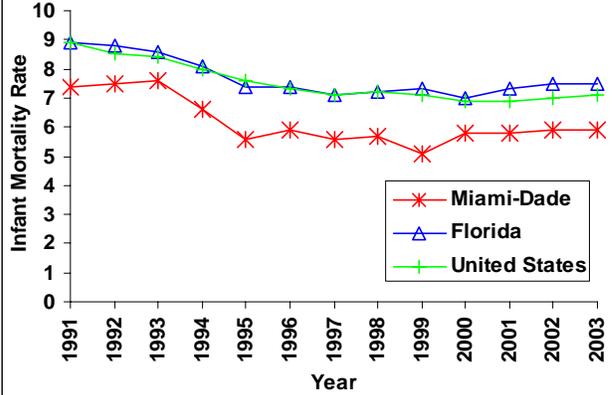
**Figure 3a. Percent of Women Beginning Prenatal Care in the First Trimester of Pregnancy by Race/Ethnicity, Miami-Dade County, 1992-1993**



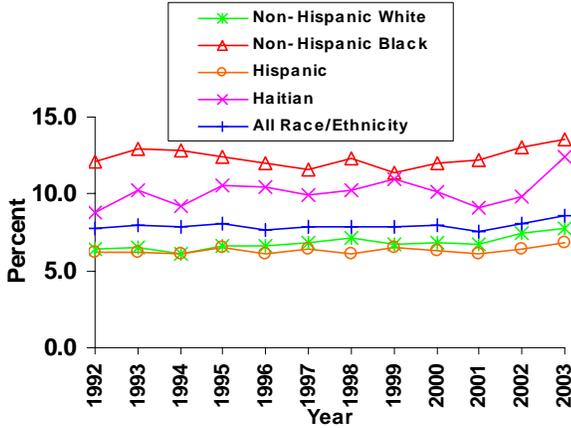
**Figure 3b. Percent of Women Beginning Prenatal Care in the First Trimester of Pregnancy in Miami-Dade County, Florida and United States, 1992-2003**



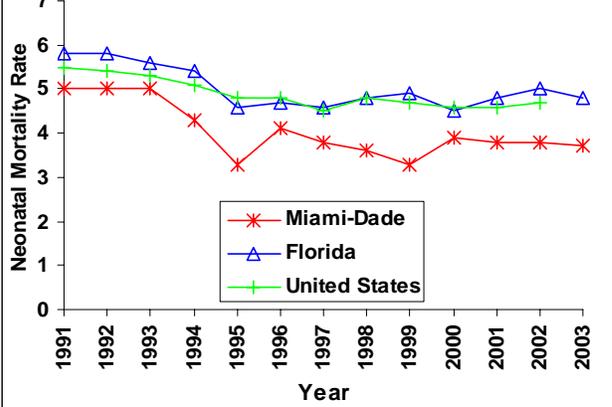
**Figure 5a. Infant Mortality Rate (per 1,000 live births) in Miami-Dade County, Florida and United States, 1991-2003**



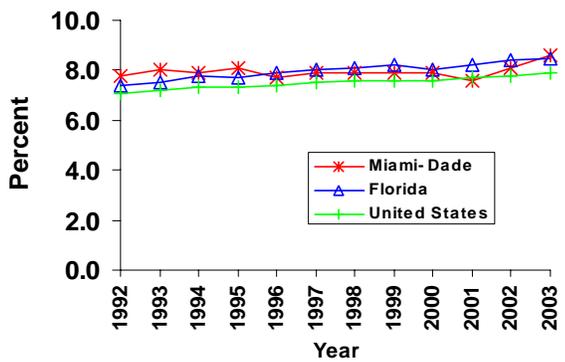
**Figure 4a. Percent Low Birthweight (<2,500 grams) by Maternal Race/Ethnicity Miami-Dade County, 1992-2003**



**Figure 5b. Neonatal Mortality Rate (per 1,000 live births) in Miami-Dade County, Florida and United States, 1991-2003**



**Figure 4b. Percent Low Birthweight (<2,500 Grams) in Miami-Dade County, Florida and United States 1992-2003**



**Table-1 Infant Mortality Rates\* (per 1,000 live births) by Mother's Race/Ethnicity\*\*, Miami-Dade County, 1999-2003**

Race/Ethnicity	1999			2000			2001			2002			2003		
	Live Births	Deaths	Rate												
Non-Hispanic White	4872	19	3.9	4787	34	7.1	4135	26	6.3	3948	23	5.8	3945	22	5.6
Non-Hispanic Black	6819	49	7.2	6934	66	9.5	6611	83	12.6	6287	65	10.3	6106	69	11.3
Hispanic	17335	56	3.2	18074	48	2.7	19244	52	2.7	19538	55	2.8	20003	52	2.6
Cuban	6795	29	4.3	6852	26	3.8	7191	23	3.2	7448	23	3.1	7629	21	2.8
Puerto Rican	1259	6	4.8	1273	6	4.7	1204	3	2.5	1224	3	2.5	1308	3	2.3
Central/South American	8036	17	2.1	8652	12	1.4	9475	20	2.1	9445	21	2.2	9789	22	2.2
Mexican/Other Hispanic	1245	4	3.2	1297	4	3.1	1374	6	4.4	1421	8	5.6	1277	6	4.7
Haitian	1939	8	4.1	1932	10	5.2	1845	2	1.1	1777	8	4.5	1896	9	4.7
Non-Hispanic Others	466	3	6.4	473	1	2.1	485	2	4.1	478	1	2.1	496	0	0.0
Unknown	56	26		97	27		75	24		51	38		58	40	
All	31487	161	5.1	32297	186	5.8	32395	189	5.8	32079	190	5.9	32504	192	5.9

\*: Mortality rates based on neonatal, postneonatal and infant deaths by race/ethnicity of decedent, live births by race/ethnicity of mother.

\*\*The number of infant deaths by race/ethnicity may be changed after reviewing original chart



TO REPORT ANY DISEASE AND  
FOR INFORMATION CALL:

Office of Epidemiology and  
Disease Control



Childhood Lead Poisoning Prevention Program (305) 470-6877

Hepatitis (305) 470-5536

Other diseases and outbreaks (305) 470-5660

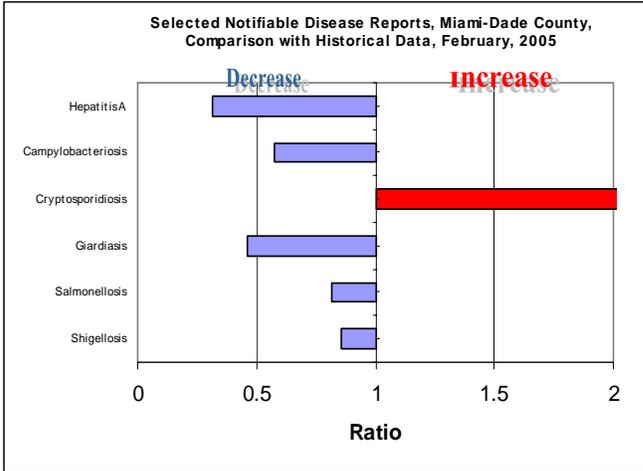
HIV/AIDS Program (305) 470-6999

STD Program (305) 325-3242

Tuberculosis Program (305) 324-2470

Special Immunization Program (786) 845-0550

Selected Notifiable Disease Reports, Miami-Dade County,  
Comparison with Historical Data, February, 2005



\*Ratio of current month total to mean of 15 month totals (from previous, comparable, and subsequent month periods for the past 5 years).



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## Monthly Report

### Selected Reportable Diseases/Conditions in Miami-Dade County, February 2005

Diseases/Conditions	2005	2005	2004	2003	2002	2001
	this Month	Year to Date				
AIDS <sup>*Provisional</sup>	131	243	243	188	195	222
Animal Rabies	0	0	0	0	0	0
Campylobacteriosis	8	8	12	17	5	16
<i>Chlamydia trachomatis</i>	270	624	492	619	767	469
Ciguatera Poisoning	0	0	0	0	0	0
Cryptosporidiosis	3	3	1	2	1	4
Cyclosporiasis	0	0	0	0	0	0
Diphtheria	0	0	0	0	0	0
<i>E. coli</i> , O157:H7	0	0	0	0	0	0
<i>E. coli</i> , Non-O157	0	0	0	0	0	0
<i>E. coli</i> , Other	0	0	0	0	0	0
Encephalitis (except WNV)	0	0	0	0	1	0
Encephalitis, West Nile Virus	0	0	0	0	0	0
West Nile Fever	0	0	0	0	0	0
Giardiasis, Acute	11	13	25	15	12	21
Gonorrhea	118	259	202	298	387	226
Hepatitis A	3	4	5	2	7	20
Hepatitis B	2	2	4	2	2	1
HIV <sup>*Provisional</sup>	102	244	271	279	334	267
Lead Poisoning	11	11	23	19	22	23
Legionnaire's Disease	0	1	0	0	0	0
Leptospirosis	0	0	0	0	0	0
Lyme disease	0	0	0	0	0	0
Malaria	0	0	0	2	1	4
Measles	0	0	0	0	0	0
Meningitis (except aseptic)	0	0	0	0	0	1
Meningococcal Disease	0	1	1	2	2	3
Mumps	0	0	0	0	0	0
Pertussis	0	0	0	0	0	0
Polio	0	0	0	0	0	0
Rubella	0	0	0	0	0	0
Rubella, Congenital	0	0	0	0	0	0
Salmonellosis	23	27	31	35	27	19
Shigellosis	18	22	21	36	21	9
<i>Streptococcus pneumoniae</i> , Drug Resistant	2	2	2	7	13	15
Syphilis, Infectious	12	29	34	32	32	23
Syphilis, Other	35	78	130	177	180	65
Tetanus	0	0	0	0	0	0
Toxoplasmosis	0	0	0	1	0	0
Tuberculosis <sup>*Provisional</sup>	15	29	23	31	36	25
Typhoid Fever	0	1	1	1	0	0
<i>Vibrio cholera</i> Type O1	0	0	0	0	0	0
<i>Vibrio cholera</i> Non-O1	0	0	0	0	0	0
<i>Vibrio</i> , Other	0	0	0	0	0	0

\* Data on AIDS are provisional at the county level and are subject to edit checks by state and federal agencies.

\*\* Data on tuberculosis are provisional at the county level.

