

III. MAJOR CRITICAL INDICATORS AND GEOGRAPHICAL AREAS OF HIGH CONCERN FOR MATERNAL-INFANT HEALTH INDICATORS

Health indicators are standard measures that allow us to cross-reference and compare various populations, such as infant mortality or life expectancy. The data reported in this section were obtained from various sources, each one noted at the bottom of each data table as well as in the Acknowledgements section of this document. Please note that numbers may differ slightly from those reported in the Florida Department of Health Annual Reports, due to methodological differences in “cleaning” the data. Slight variations, which are not statistically significant, may also be evident due to the use of either the Official Single Year Birth or Death files, versus the Official Linked Birth and Death Files.

Indicator data for 2003 were ranked by zip code from the worst to best health outcome for those areas in which 200 or more births occurred. The Data Committee designated seven health indicators to be reviewed: late/no prenatal care, birth to teens, births to unwed mothers, preterm births, low birth weight births, fetal mortality, and infant mortality. The Committee determined that these seven indicators would capture the greatest number of contributing factors, and mothers and babies at-risk

Table 46. Seven (7) Critical Health Indicators, Miami-Dade County, 2003

Health Indicators	Number	Percent/Rate
Late/No Prenatal Care	511	1.6%
Births to Teens (10-19)	2,985	9.2%
Births to Unwed Mothers	10,733	33.3 %
Preterm Births	3,248	10.1 %
Low Birth Weight Births	2,766	8.6 %
Fetal Mortality	278	8.6*
Infant Mortality	193	6.0*

* Fetal Mortality Rate and Infant Mortality Rate per 1,000 live births

Source: Florida Department of Health - Office of Planning, Evaluation & Data Analysis

Of the seven critical health indicators identified by the Data Committee, see Table 46 above, three were selected by the Service Delivery Plan Committee for the action planning process: infant mortality, low birth weight and preterm delivery. The HSCMD Service Delivery Plan 2006-2010 can be reviewed at www.hscmd.org.

Examining community needs in terms of geographic area is essential in identifying areas that require additional Healthy Start services. Socioeconomic and environmental factors that place women and infants at higher risks and lead to significantly poorer health outcomes may readily cluster within geographic neighborhoods and when identified, appropriate strategies can be implemented to serve these areas appropriately. The Healthy Start Needs Assessment process has therefore included an analysis of health outcome indicators by zip code. Indicator data for 2003 were ranked by zip code, from the poorest to best health outcome for those areas with 150 births or more. A total of 18 of the county’s 80 zip codes were included in at least two of the “top 10” ranked lists of zip codes within the North, Central and South

Miami areas with the greatest need, as shown below in Tables 47-49. Please note that for some indicators it appears that one or more of the top ten ranked zip codes are missing. The Data Committee requested the listing of only those zip codes with 4 or more indicators ranking in the top 10. Therefore, there will undoubtedly be zip codes that are excluded since they only have between 1 to 3 indicators in the top ten. For a complete list of all zip codes in Miami-Dade County please see Table 50.

Table 47: Zip Code Rankings For Health Indicators For Zip Codes of High Concern, North Miami-Dade County, 2003

N o r t h	Zip Code	Total Live Births	Births to Unwed Mothers	Rank	Births to Mothers Age 10-19	Rank	Low Birth Weight Births (<2,500 grams)	Rank	Gestation <37 Weeks (PTD)	Rank	Late/No PNC	Rank	Fetal Mortality Rate	Rank	Infant Mortality Rate	Rank	Total Risk Factors (Out of 7)
			Percent		Percent		Percent		Percent		Percent		Rate		Rate		
	33054	493	72.8%	3rd	21.9%	2nd	15.8%	1st	18.3%	5th	3.7%	3rd	16.2	5th	8.1		6
	33055	686	54.8%	9th	12.0%	8th	10.1%		8.6%		2.8%	8th	14.6	10th	5.8		4
	33056	547	71.7%	5th	16.1%	6th	13.3%	4th	19.9%	4th	2.2%		14.6	9th	16.5	2nd	6
	33127	518	72.2%	4th	17.6%	4th	12.5%	7th	13.3%		2.7%	9th	23.2	1st	9.7	8th	6
	33137	236	53.0%	10th	7.6%		14.0%	2nd	33.1%	1st	2.1%		12.7		12.7	3rd	4
	33147	824	76.2%	1st	22.0%	1st	11.5%	9th	11.3%		3.3%	5th	13.3		12.1	5th	5
	33161	910	50.1%		8.7%		11.1%	10th	11.4%		3.1%	6th	17.6	4th	8.8	10th	4
	33167	297	63.0%	7th	17.2%	5th	13.5%	3rd	31.0%	2nd	3.0%	7th	*		16.8	1st	6
	33168	398	52.3%		10.3%		12.6%	6th	13.8%	10th	2.3%		15.1	8th	12.6	4th	4
	33169	620	61.1%	8th	9.8%		13.2%	5th	6.8%		4.2%	1st	17.7	3rd	11.3	6th	5
	33181	299	36.5%		5.4%		7.0%		14.7%	9th	2.7%	10th	20.1	2nd	*	7th	4

Table 48: Zip Code Rankings For Health Indicators For Zip Codes of High Concern, Central Miami-Dade County, 2003.






C e n t r a l	Zip Code	Total Live Births 2003	Births to Unwed Mothers	Rank	Births to Mothers Age 10-19	Rank	Low Birth Weight Births (<2,500 grams)	Rank	Gestation < 37 weeks (PTD)	Rank	Late/No PNC	Rank	Fetal Mortality Rate	Rank	Infant Mortality Rate	Rank	Total Risk Factors (out of 7)
			Percent		Percent		Percent		Percent		Percent		Rate		Rate		
	33125	655	57.7%	4th	12.7%	2nd	6.7%		9.2%		1.8%	2nd	9.2	6th	7.6	6th	5
	33130	278	60.4%	2nd	11.9%	3rd	4.7%		11.2%	6th	1.8%	3rd	*		*		4
	33133	368	32.3%	9th	5.2%		6.3%		10.1%	10th	1.4%	5th	13.6	1st	*	4th	5
	33135	422	58.8%	3rd	11.6%	4th	6.2%		9.2%		1.4%	4th	*		*	10th	4
	33136	261	73.9%	1st	20.3%	1st	16.9%	1st	20.7%	1st	3.4%	1st	*		26.8	1st	6
	33173	369	24.9%		4.6%		10.8%	3rd	12.2%	4th	*		10.8	4th	*	9th	4
	33174	350	37.4%	7th	8.3%	5th	7.7%	8th	9.4%		*		*	8th	*	3rd	5
	33193	636	28.9%		5.8%	10th	7.5%	10th	10.5%	9th	1.1%	7th	*		*		4

Table 49: Zip Code Rankings For Health Indicators For Zip Codes of High Concern, South Miami-Dade County, 2003.





	Zip Code	Total Live Births 2003	Births to Unwed Mothers	Rank	Births to Mothers Age 10-19	Rank	Low Birth Weight Births (<2,500 grams)	Rank	Gestation < 37 Weeks (PTD)	Rank	Late/No PNC	Rank	Fetal Mortality	Rank	Infant Mortality	Rank	Total Risk Factors (Out of 7)
			Percent		Percent		Percent		Percent		Percent		Percent		Rate		Rate
South	33030	788	66.1%	1st	19.3%	2nd	7.7%	8th	7.7%	10th	4.1%	1st	6.3	9th	*	8th	7
	33032	432	57.6%	4th	17.1%	4th	9.3%	2nd	9.3%	7th	1.4%	7th	13.9	2nd	9.3	1st	7
	33033	555	58.7%	3rd	17.5%	3rd	7.4%	9th	10.3%	2nd	1.4%	6th	7.2	6th	7.2	4th	7
	33034	351	65.5%	2nd	20.2%	1st	10.8%	1st	9.7%	5th	3.1%	2nd	*	5th	8.5	2nd	7
	33157	898	43.1%	5th	10.4%	5th	9.0%	3rd	9.8%	4th	2.0%	4th	8.9	4th	7.8	3rd	7
	33176	598	30.3%	8th	6.9%	9th	8.0%	6th	7.9%	9th	1.2%	8th	6.7	7th	*	10th	7
	33177	771	37.1%	7th	9.2%	8th	5.8%		6.9%		1.6%	5th	6.5	8th	*		4
	33186	885	21.2%	10th	3.7%	10th	7.9%	7th	9.6%	6th	0.5%	9th	*		*	9th	6
	33187	213	23.9%	9th	9.9%	7th	7.0%	10th	10.3%	1st	0.0%		18.8	1st	*	7th	6
	33189	323	39.3%	6th	10.2%	6th	8.4%	4th	9.9%	3rd	2.2%	3rd	12.4	3rd	*	5th	7
	33196	647	19.9%		2.8%		8.0%	5th	9.0%	8th	*	10th	6.2	10th	6.2	6th	5

In 2003, areas ranked as having the poorest birth outcomes and related risk factors included:




North Miami-Dade

-  North Miami Beach (33169)
-  Miami Shores/North Miami (33167)
-  Opa-Locka/Carol City (33056)
-  Wynwood (33127)
-  Opa-Locka (33054)

Central Miami-Dade

-  Overtown (33136)
-  Downtown (33128) & (33132)
-  Little Havana (33125)
-  Olympia Heights/Sweetwater/West Miami (33174)

South Miami-Dade

-  Homestead/Florida City (33034)
-  Richmond/Perrine (33157)
-  Cutler Ridge (33189)

See Table 50 on the next page for a complete list of zip code specific select health indicator data for Miami-Dade County.

Table 50: Cumulative Zip Codes Rankings For Health Indicators In Areas Of High Concern In Miami-Dade, 2003

Zip Code	Births to Unwed Mothers		Births to Mothers Age 10-19		Low Birth Weight Births (<2,500 grams)		Gestation < 37 Weeks		Late/No PNC		Fetal Mortality Rate		Infant Mortality Rate	
	Percent	Rank	Percent	Rank	Percent	Rank	Percent	Rank	Percent	Rank	Rate per 1,000 Live Births	Rank	Rate per 1,000 Live Births	Rank
33010	47.7%	22	11.7%	16	6.8%	42	6.2%	58	1.1%	33	5.6	45	1.9	52
33012	40.2%	28	9.7%	25	6.0%	53	7.7%	51	1.0%	38	2.4	54	6.1	28
33013	39.6%	29	10.4%	20	5.3%	58	5.9%	61	0.6%	46	8.9	25	0.0	55
33014	36.5%	35	7.2%	32	7.4%	36	10.6%	22	0.9%	39	1.9	57	0.0	56
33015	34.3%	38	5.9%	38	5.5%	57	7.9%	45	0.6%	45	7.3	33	5.2	32
33016	39.4%	30	9.3%	27	8.6%	25	7.4%	55	0.3%	54	6.4	39	4.8	34
33018	27.1%	47	6.2%	37	6.4%	48	7.9%	44	0.8%	42	3.9	48	7.8	22
33030	66.1%	8	19.3%	5	7.7%	32	7.7%	49	4.1%	2	6.3	41	3.8	40
33032	57.6%	16	17.1%	10	9.3%	21	9.3%	38	1.4%	29	13.9	12	9.3	12
33033	58.7%	14	17.5%	8	7.4%	37	10.3%	26	1.4%	26	7.2	34	7.2	25
33034	65.5%	9	20.2%	4	10.8%	15	9.7%	35	3.1%	8	8.5	28	8.5	15
33054	72.8%	4	21.9%	2	15.8%	2	15.8%	3	3.7%	4	16.2	6	8.1	18
33055	54.8%	17	12.0%	14	10.1%	17	10.2%	27	2.8%	11	14.6	11	5.8	29
33056	71.7%	6	16.1%	11	13.3%	5	16.5%	2	2.2%	17	14.6	10	16.5	3
33125	57.7%	15	12.7%	13	6.7%	43	9.2%	40	1.8%	23	9.2	23	7.6	23
33126	41.2%	26	6.6%	35	6.1%	52	8.2%	43	0.7%	44	1.8	58	3.6	43
33127	72.2%	5	17.6%	7	12.5%	8	13.3%	8	2.7%	12	23.2	1	9.7	10
33130	60.4%	12	11.9%	15	4.7%	61	11.2%	19	1.8%	24	7.2	35	3.6	42
33133	32.3%	40	5.2%	43	6.3%	50	10.1%	28	1.4%	30	13.6	13	8.2	17
33134	18.5%	57	2.9%	55	11.1%	11	12.4%	10	0.3%	56	2.6	52	2.6	48
33135	58.8%	13	11.6%	17	6.2%	51	9.2%	39	1.4%	27	2.4	55	4.7	35
33136	73.9%	3	20.3%	3	16.9%	1	20.7%	1	3.4%	5	3.8	49	26.8	1
33137	53.0%	18	7.6%	31	14.0%	3	13.1%	9	2.1%	19	12.7	16	12.7	4
33138	46.5%	23	9.6%	26	12.4%	9	13.9%	7	2.0%	20	15.2	8	2.5	50
33139	33.1%	39	2.8%	56	6.5%	46	7.3%	56	0.8%	41	0.0	62	0.0	57
33140	13.8%	60	1.5%	60	9.3%	20	9.7%	34	0.7%	43	7.5	30	0.0	58
33141	40.4%	27	3.7%	53	6.7%	44	8.9%	42	1.0%	36	6.1	43	2.0	51
33142	75.4%	2	18.7%	6	10.2%	16	12.4%	11	3.7%	3	11.9	19	8.3	16
33143	25.1%	51	4.6%	49	7.7%	34	12.0%	16	0.5%	49	5.5	46	10.9	8
33144	43.7%	24	6.7%	34	7.8%	31	10.0%	30	0.4%	52	7.4	32	7.4	24
33145	34.7%	37	3.7%	51	6.3%	49	7.8%	47	0.4%	51	3.7	50	3.7	41
33147	76.2%	1	22.0%	1	11.5%	10	11.3%	18	3.3%	7	13.3	15	12.1	6
33150	67.3%	7	15.4%	12	9.7%	18	11.5%	17	3.3%	6	11.7	20	7.8	20
33155	26.4%	48	4.8%	46	5.9%	54	7.5%	54	1.1%	35	8.8	26	4.4	37
33156	12.0%	61	2.1%	58	5.1%	60	5.1%	62	0.0%	60	3.4	51	0.0	59
33157	43.1%	25	10.4%	19	9.0%	23	9.8%	33	2.0%	21	8.9	24	7.8	21
33160	20.8%	55	1.8%	59	8.8%	24	10.5%	24	2.3%	16	2.5	53	5.0	33
33161	50.1%	21	8.7%	29	11.1%	12	12.3%	13	3.1%	9	17.6	5	8.8	13
33162	52.4%	19	10.8%	18	10.8%	14	14.6%	5	2.5%	14	16.0	7	9.4	11
33165	31.9%	41	5.2%	44	4.6%	62	5.9%	60	0.2%	57	7.6	29	0.0	60
33166	25.3%	50	5.1%	45	9.1%	22	7.8%	48	1.0%	37	13.5	14	3.4	46
33167	63.0%	10	17.2%	9	13.5%	4	14.1%	6	3.0%	10	6.7	36	16.8	2
33168	52.3%	20	10.3%	21	12.6%	7	12.3%	12	2.3%	15	15.1	9	12.6	5
33169	61.1%	11	9.8%	24	13.2%	6	14.8%	4	4.2%	1	17.7	4	11.3	7
33172	31.8%	42	6.2%	36	7.4%	38	7.6%	53	0.6%	47	9.7	22	5.8	30
33173	24.9%	52	4.6%	50	10.8%	13	12.2%	15	0.3%	55	10.8	21	5.4	31
33174	37.4%	32	8.3%	30	7.7%	33	9.4%	37	0.6%	48	8.6	27	8.6	14
33175	28.9%	45	5.9%	39	6.5%	47	9.8%	32	0.2%	58	7.4	31	1.9	53
33176	30.3%	44	6.9%	33	8.0%	29	7.9%	46	1.2%	32	6.7	37	3.3	47
33177	37.1%	33	9.2%	28	5.8%	55	6.9%	57	1.6%	25	6.5	38	2.6	49
33178	10.5%	62	1.2%	61	8.6%	26	10.6%	21	0.3%	53	1.7	59	1.7	54
33179	36.6%	34	5.5%	41	5.1%	59	7.7%	50	2.0%	22	5.9	44	4.0	39
33180	14.4%	59	1.1%	62	5.6%	56	6.0%	59	1.4%	28	0.0	61	3.5	44
33181	36.5%	36	5.4%	42	7.0%	40	10.0%	29	2.7%	13	20.1	2	10.0	9
33183	26.2%	49	4.7%	48	9.4%	19	10.9%	20	0.9%	40	6.4	40	4.3	38
33184	31.1%	43	4.7%	47	6.6%	45	12.3%	14	0.0%	61	4.7	47	0.0	61
33185	15.3%	58	3.2%	54	6.8%	41	7.6%	52	1.2%	31	12.0	18	8.0	19
33186	21.2%	54	3.7%	52	7.9%	30	9.6%	36	0.5%	50	2.3	56	3.4	45
33187	23.9%	53	9.9%	23	7.0%	39	10.3%	25	0.0%	62	18.8	3	4.7	36
33189	39.3%	31	10.2%	22	8.4%	27	9.9%	31	2.2%	18	12.4	17	6.2	26
33193	28.9%	46	5.8%	40	7.5%	35	10.5%	23	1.1%	34	1.6	60	0.0	62
33196	19.9%	56	2.8%	57	8.0%	28	9.0%	41	0.2%	59	6.2	42	6.2	27

Source: Florida Department of Health, Office of Vital Statistics. These data correspond to those published in the Florida Vital Statistics Annual Report for 2003.

During 1999 to 2000, zip codes which ranked highest based on the rates of health concerns in the county were 33127 (Wynwood), 33136 (Overtown), and 33170 (Goulds/Quail Heights/Tavernier). These areas fell among the top ten listing of areas in Miami- Dade that experienced the highest health concerns, five times respectively. The 33127 area topped the listing with the highest rate of low birth weight babies and preterm births in the county. In 2004, the population in this area was 28,045 while over half of the total population earned less than \$25,000.

The 33170 (Goulds/Quail Heights/Tavernier) area had the highest rate of birth to teens and repeat births to teens, as well as the second highest rate of preterm babies from 1992-2000. 63.4% of the households in the 33136 zip code area earned less than \$25,000 per year, making it second only to the 33128 (Downtown) which featured a 68.4% of households earning below that level in 2004. The 33167 (Miami Shores/North Miami) areas accounted for the highest rate of fetal mortality, 335 live births between 1992 and 2000 and by 2005, 1,097 babies between 0-3 were Medicaid recipients.

The Palmetto Bay (33158) area accounted for the highest rate of infant mortality but the second lowest number; 56 live births in the county, while the 33132 area experienced the highest number of late/no prenatal care. The 33147 (Liberty City) area accounted for the highest number of live births while just about half or 50.2% of its population earned below \$25,000 per year and 3,735 of its babies received Medicaid.

Overall, there is a paring of increased risk factors and poor birth outcomes in zip code areas also plagued by other social problems. The zip codes with the poorest outcomes and highest risk factors are those also most likely to have the highest proportion of families living at or below poverty, dependent on social assistance programs, and with higher rates of unemployment and crime (see Table 51). Although this has traditionally been the norm locally, state and nationwide, it continues to be inexcusable in a metropolitan area rich in so many other areas.

Table 51: Cumulative Zip Codes by Population, Household Income, Number of Births and Medicaid Recipients

Zip Codes	Population 2004 ¹	Percent Households Income <\$25,000 ²	Number of Births 2003 ³	Medicaid Recipients Ages 0-3 ⁴
33030	29,067	39.1%	3,291	3,112
33031	5,955	14.8%	217	104
33032	21,653	28.8%	1,612	1,604
33033	35,503	38.4%	2,117	2,115
33034	16,320	47.4%	1,323	1,423
33035	3,104	29.5%	200	0
33039	453	100.0%	4	0
33054	29,143	47.5%	1,958	2,226
33055	46,749	25.4%	2,797	2,430
33056	35,476	27.0%	2,220	2,041
33109	673	10.0%	21	0
33122	0	0	19	8
33125	51,043	53.1%	2,636	2,770
33126	49,666	39.6%	2,252	1,829
33127	28,045	54.0%	2,005	2,257
33128	6,567	68.4%	451	656
33129	12,037	21.9%	576	145
33130	21,159	67.2%	1,091	1,119
33131	5,511	22.8%	380	42
33132	6,481	47.3%	163	74
33133	30,920	25.4%	1,478	730
33134	34,158	22.8%	1,505	544
33135	36,545	56.3%	1,602	1,606
33136	14,430	63.4%	1,308	1,020
33137	18,220	40.4%	1,305	831
33138	29,445	37.2%	1,621	1,204
33139	38,069	39.1%	1,228	688
33140	21,270	27.0%	990	238
33141	39,109	45.2%	1,976	1,399
33142	54,175	57.5%	3,414	3,587
33143	31,490	24.3%	1,477	473
33144	24,394	33.4%	922	770
33145	29,161	34.0%	1,147	784
33146	13,586	10.9%	496	30
33147	48,093	50.2%	3,574	3,735
33149	10,853	16.2%	730	33
33150	27,237	49.2%	1,980	2,019

Zip Codes	Population 2004 ¹	Percent Households Income <\$25,000 ²	Number of Births 2003 ³	Medicaid Recipients Ages 0-3 ⁴
33154	13,636	25.1%	668	174
33155	45,065	22.8%	1,878	984
33156	31,678	10.9%	1,221	282
33157	63,865	25.8%	3,458	2,465
33158	7,061	9.1%	248	15
33160	34,757	34.5%	1,395	672
33161	55,871	39.2%	3,810	3,336
33162	46,671	34.6%	2,954	2,472
33165	57,775	25.4%	2,105	1,440
33166	22,768	21.2%	1,165	551
33167	19,884	37.6%	1,241	1,097
33168	26,417	31.0%	1,708	1,486
33169	38,131	30.1%	2,640	2,089
33170	7,572	41.9%	715	736
33172	44,576	29.9%	2,060	1,360
33173	38,467	18.4%	1,527	575
33174	28,445	29.5%	1,255	978
33175	53,854	18.2%	2,209	1,297
33176	49,719	18.7%	2,547	1,073
33177	52,063	16.3%	3,075	2,202
33178	28,387	14.6%	2,024	527
33179	40,382	30.1%	2,060	1,215
33180	24,497	20.4%	1,063	235
33181	18,552	32.6%	1,198	764
33182	15,634	11.5%	742	312
33183	40,114	19.3%	1,866	956
33184	20,643	21.3%	769	491
33185	15,586	12.0%	775	284
33186	62,257	12.8%	3,405	1,341
33187	16,496	12.7%	965	434
33189	23,614	28.0%	1,283	975
33190	4,968	22.2%	376	422
33193	46,188	22.9%	2,596	1,497
33194		0%	24	65
33196	41,594	13.4%	2,456	1,064

Source: Community Sourcebook America, 2004 Edition, ESRI Business Information Solutions. Miami-Dade County Health Department, November 2000. *Not included in Zip Code Ranking for Health Indicators, for Zip Codes of Highest Concern, Miami-Dade County, 1996-1998 Healthy Start Needs Assessment, 1999