

**Table 14. Maternal and infant health objective status**

Objective	Baseline year	Baseline	1990	1991	1992	1993	1994	1995	1996	1997	Target 2000
14.1 Infant mortality (under 1 year per 1,000 live births)	1987	10.1	9.2	8.9	8.5	8.4	8.0	7.6	7.3	p/7.1	7
a. Black	1987	18.8	18.0	17.6	16.8	16.5	15.8	15.1	14.7	p/13.7	11
b. American Indian/Alaska Native	1984	13.4	13.1	11.3	---	---	---	9.0	10.0	---	8.5
c. Puerto Rican /1	1984	12.9	9.9	9.7	---	---	---	8.9	8.6	---	8
d. Neonatal mortality (under 28 days per 1,000 live births)	1987	6.5	5.7	5.6	5.4	5.3	5.1	4.9	4.8	p/4.7	4.5
e. Neonatal mortality among black	1987	12.3	11.6	11.2	10.8	10.7	10.2	9.8	9.6	p/9.0	7
f. Neonatal mortality among Puerto Rican /1	1984	8.6	6.9	6.1	---	---	---	6.1	5.6	---	5.2
g. Postneonatal mortality (28 days-11 months per 1,000 live births)	1987	3.6	3.4	3.4	3.1	3.1	2.9	2.7	2.5	p/2.4	2.5
h. Postneonatal mortality among black infants	1987	6.4	6.4	6.3	6.0	5.8	5.6	5.3	5.1	p/4.7	4
i. Postneonatal mortality among American Indian/ Alaska Native infants	1984	7.0	7.0	5.8	---	---	---	5.1	5.3	---	4
j. Postneonatal mortality among Puerto Rican infants/1	1984	4.3	3.0	3.5	---	---	---	2.8	3.0	---	2.8
14.2 Fetal deaths (20 weeks or more gestation per 1,000 live births plus fetal deaths)	1987	7.6	7.5	7.3	7.4	7.1	7.0	7.0	6.9	---	5
a. Black	1987	13.1	13.3	12.8	13.3	12.8	12.5	12.7	12.5	---	7.5
14.3 Maternal mortality (per 100,000 live births)	1987	6.6	8.2	7.9	7.8	7.5	8.3	7.1	7.6	p/7.5	3.3
a. Black	1987	14.9	22.4	18.3	20.8	20.5	18.5	22.1	20.3	p/18.3	5
14.4 Fetal alcohol syndrome (per 1,000 live births)	1987	0.22	0.40	0.37	0.52	0.67	---	---	---	---	0.12
a. American Indian/Alaska Native	1987	4.0	5.2	---	---	---	---	---	---	---	2.0
b. Black	1987	0.8	1.4	1.9	2.3	5.4	---	---	---	---	0.4
14.5 Low birth weight (less than 2,500 grams)	1987	6.9%	7.0%	7.1%	7.1%	7.2%	7.3%	7.3%	7.4%	7.4%	5%
Very low birth weight (less than 1,500 grams)	1987	1.2%	1.3%	1.3%	1.3%	1.3%	1.3%	1.4%	1.4%	1.4%	1%
a. Low birth weight among black infants	1987	13.0%	13.3%	13.6%	13.3%	13.3%	13.2%	13.1%	13.0%	13.0%	9%
b. Very low birth weight among black infants	1987	2.8%	2.9%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	2%
c. Low birth weight among Puerto Rican infants/1	1990	9.0%	...	9.4%	9.2%	9.2%	9.1%	9.4%	9.3%	9.4%	6%
d. Very low birth weight among Puerto Rican infants/1	1990	1.6%	...	1.7%	1.7%	1.7%	1.6%	1.8%	1.7%	1.9%	1%
14.6 Recommended weight gain during pregnancy	1980	2,a/68%	3/75%	---	---	---	---	---	---	---	85%
14.7 Severe complications of pregnancy (per 100 deliveries)	1987	22	18	18	17	15	15	14	14	---	15
a. Black	1991	28	...	...	26	24	25	24	23	---	16
14.8 Cesarean delivery (per 100 deliveries)	1987	24.4	23.5	23.5	23.6	22.8	22.0	20.8	21.8	---	15
a. Primary (first time) cesarean delivery	1987	17.4	16.8	17.1	16.8	16.3	15.8	15.5	15.7	---	12
b. Repeat cesarean deliveries (females with previous cesarean delivery)	1987	91.2	79.6	75.8	74.9	74.6	70.3	64.5	66.4	---	65
14.9* Breastfeeding											
During early postpartum period/4	1988	54%	52%	53%	54%	56%	57%	60%	59%	62%	75%
a. Low-income mothers	1988	a/34%	35%	33%	35%	38%	40%	42%	42%	---	75%
b. Black mothers	1988	25%	23%	26%	28%	31%	33%	37%	37%	41%	75%
c. Hispanic mothers	1988	51%	48%	52%	52%	56%	58%	61%	61%	64%	75%
d. American Indian/Alaska Native mothers	1988	47%	47%	46%	53%	51%	44%	52%	54%	56%	75%
At age 6 months	1988	a/20%	18%	18%	19%	19%	20%	22%	22%	26%	50%
a. Low-income mothers	1988	9%	8%	8%	9%	10%	10%	11%	12%	---	50%
b. Black mothers	1988	a/7%	6%	7%	8%	9%	10%	11%	11%	15%	50%
c. Hispanic mothers	1988	a/14%	13%	15%	16%	16%	18%	20%	20%	25%	50%
d. American Indian/Alaska Native mothers	1988	28%	27%	22%	24%	28%	24%	24%	24%	25%	50%

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14.10 Abstinence from alcohol, tobacco, and drug use during pregnancy											
Tobacco	1985	75%	79%	80%	83%	80%	85%	86%	86%	87%	90%
Alcohol	1988	79%	---	---	---	81%	---	---	---	---	95%
Cocaine	1988	99%	---	---	---	99%	---	---	---	---	100%
Marijuana	1988	98%	---	---	---	97%	---	---	---	---	100%
14.11 Prenatal care in the first trimester (percent of live births)	1987	76.0%	75.8%	76.2%	77.7%	78.9%	80.2%	81.3%	81.9%	82.5%	90%
a. Black	1987	60.8%	60.6%	61.9%	63.9%	66.0%	68.3%	70.4%	71.4%	72.3%	90%
b. American Indian/Alaska Native	1987	57.6%	57.9%	59.9%	62.1%	63.4%	65.2%	66.7%	67.7%	68.1%	90%
c. Hispanic /1	1987	61.0%	60.2%	61.0%	64.2%	66.6%	68.9%	70.8%	72.2%	73.7%	90%
14.12* Age-appropriate preconception counseling by clinicians	...	---	---	---	---	---	---	---	---	---	60%
Percent of clinicians routinely providing service to 81-100% of patients											
Inquiry about family planning (female, childbearing age)											
Pediatricians	1992	18%	...	...	...	---	---	---	---	5,6/---	60%
Nurse practitioners	1992	53%	...	...	...	---	---	---	---	5/42%	60%
Obstetricians/gynecologists	1992	48%	...	...	...	---	---	---	---	5,6/---	60%
Internists	1992	24%	...	...	...	---	---	---	---	5,6/---	60%
Family physicians	1992	28%	...	...	...	---	---	---	---	5,6/---	60%
Counseling about family planning											
Pediatricians	1992	36%	...	...	...	---	---	---	---	5,6/---	60%
Nurse practitioners	1992	53%	...	...	...	---	---	---	---	5/40%	60%
Obstetricians/gynecologists	1992	65%	...	...	...	---	---	---	---	5,6/---	60%
Internists	1992	26%	...	...	...	---	---	---	---	5,6/---	60%
Family physicians	1992	36%	...	...	...	---	---	---	---	5,6/---	60%
14.13 Screening for fetal abnormalities (percent of live births)	1988	29%	---	---	51%	---	---	---	---	---	90%
14.14 Pregnant women and infants receiving risk-appropriate care	...	---	---	---	---	---	---	---	---	---	90%
14.15 Newborn screening and treatment											
Screened by State-sponsored programs for genetic disorders and other conditions	...	---	---	---	---	---	---	---	---	---	95%
Testing positive for disease and receiving appropriate treatment	...	---	---	---	---	---	---	---	---	---	90%
Sickle cell anemia screening	1987	7/33%	8/89%	---	---	---	---	---	---	---	90%
Black infants	1987	7/57%	9/77%	---	---	---	---	---	---	---	95%
Galactosemia screening (38 States)	1987	70%	97%	---	---	---	---	---	---	---	95%
Newborns diagnosed positive for sickle cell anemia receiving treatment	...	---	95%	---	---	---	---	---	---	---	90%
Newborns diagnosed positive for galactosemia receiving treatment	...	---	100%	---	---	---	---	---	---	---	95%
14.16 Babies receiving primary care	...	---	---	---	---	---	---	---	---	---	90%
14.17 Spina bifida and other neural tube defects (per 10,000 live births)	1990	6	...	7	6	7	---	---	---	---	3

---/Data not available.

.../Category not applicable.

**Table 14. Maternal and infant health objective status**

Objective	Baseline year	Baseline	1990	1991	1992	1993	1994	1995	1996	1997	Target 2000
a/Baseline has been revised.											
p/Preliminary data.											
1/Excludes data from States lacking an Hispanic-origin item on their birth or death certificate or for which Hispanic-origin data were not of sufficient quality.											
2/1980 data for married females who had a full-term live birth and prenatal care.											
3/1988 data.											
4/Breastfed in hospital.											
5/1997-98 data.											
6/Response rate for this group was too low to produce reliable estimates.											
7/Based on 20 States reporting.											
8/Based on 43 States reporting.											
9/Based on 9 States reporting.											

NOTE: Data may include revisions and, therefore, may differ from data previously published in these reports and other publications.

#### Data Sources:

Objective number	Data source
14.1, 14.1a-j	National Vital Statistics System, CDC, NCHS.
14.2, 14.2a	National Vital Statistics System, CDC, NCHS.
14.3, 14.3a	National Vital Statistics System, CDC, NCHS.
14.4, 14.4a, b	Birth Defects Monitoring Program, CDC, NCEH.
14.5, 14.5a-d	National Vital Statistics System, CDC, NCHS.
14.6	Baseline: National Natality Survey, CDC, NCHS. Update: National Maternal and Infant Health Survey, CDC, NCHS.
14.7	National Hospital Discharge Survey, CDC, NCHS.
14.8, 14.8a, b	National Hospital Discharge Survey, CDC, NCHS.
14.9*, 14.9a-c	Ross Laboratories Mother Survey.
14.9d	Pediatric Nutrition Surveillance System, CDC, NCCDPHP.
14.10	Baseline: National Maternal and Infant Health Survey, CDC, NCHS. 1992 and 1994-96 updates: National Vital Statistics System, CDC, NCHS. 1993 updates: National Pregnancy and Health Survey, NIH, NIDA.
14.11, 14.11a-c	National Vital Statistics System, CDC, NCHS.
14.12*	Baseline: Primary Care Provider Surveys, OPHS, ODPHP. Update: Prevention in Primary Care Study, American College of Preventive Medicine.
14.13	College of American Pathologists, Foundation for Blood Research.
14.15	Council of Regional Networks for Genetic Services.
14.17	Birth Defects Monitoring Program, CDC, NCEH.

\*Duplicate objective. See full text of objective following this table.