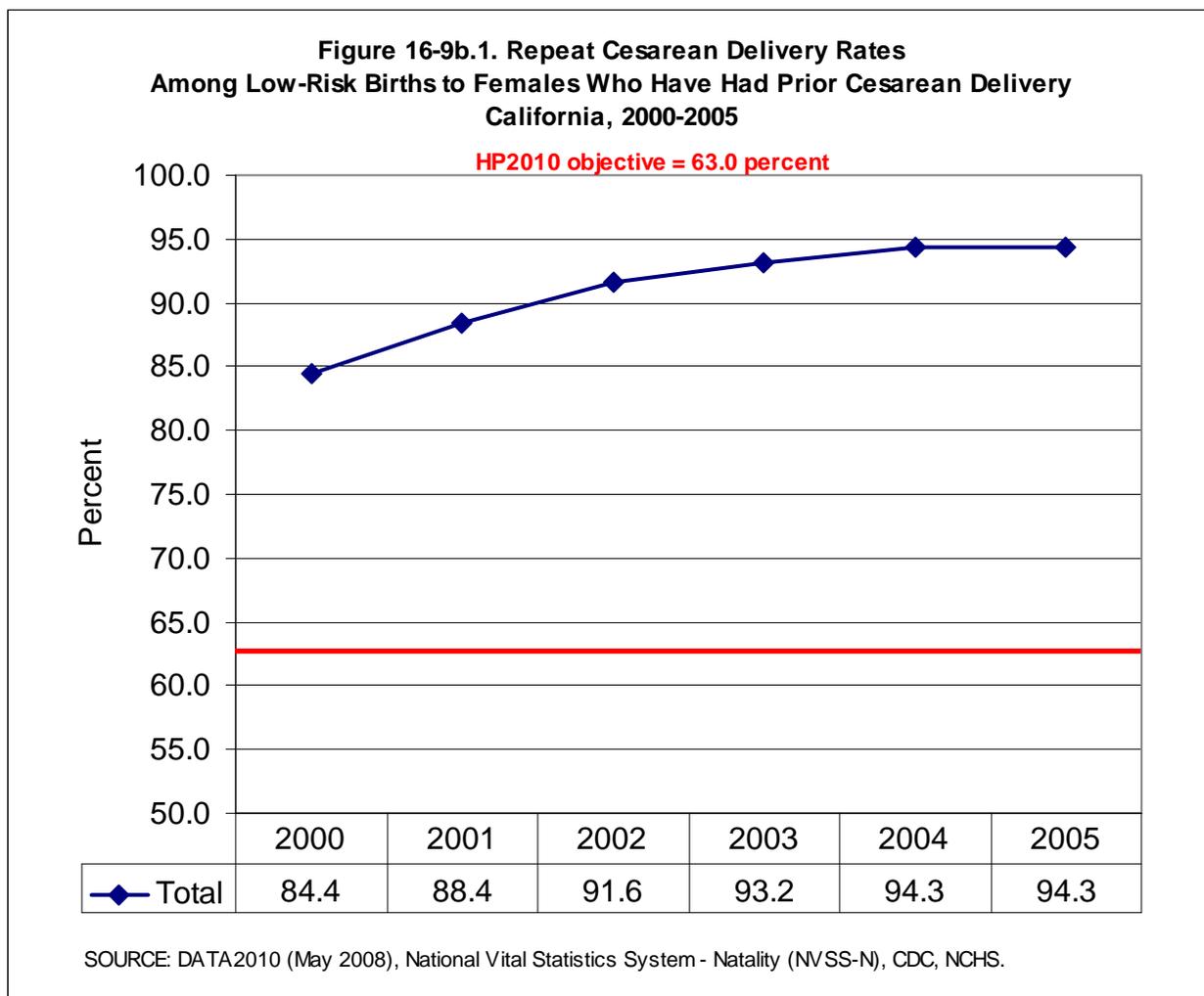


Focus Area 16: Maternal, Infant, and Child Health

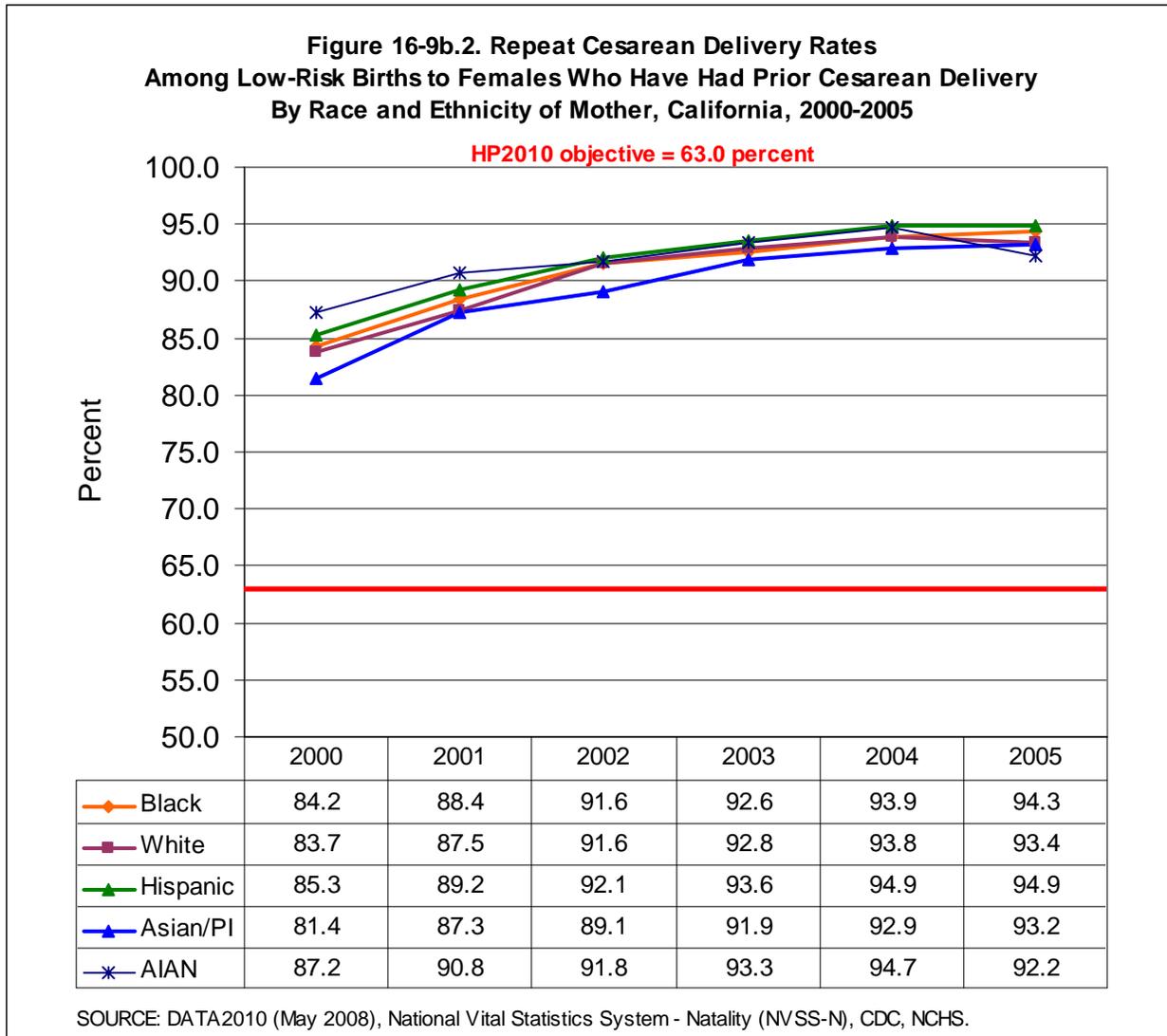
Objective 16-9b. Reduce cesarean deliveries among females who have had prior cesarean birth. Target = 63.0 percent of births delivered by cesarean section to low-risk females who previously delivered an infant by cesarean. [State Data Source: National Vital Statistics System – Natality (NVSS-N), CDC, NCHS]

Note: for this objective, a low-risk female is defined as one having a full-term (at least 37 weeks since last menstrual period) singleton birth, with vertex presentation.

Repeat cesarean deliveries among California females having low-risk births were reported at a rate of 94.3 percent for 2005 based on data extracted from DATA2010, a significant increase from 84.4 percent reported for 2000 (**Figure 16-9b.1, Table 16-9b**). California's repeat cesarean birth rates among females having low-risk births remained significantly higher than the HP2010 objective of 63.0 percent, and rates were moving away from the target.

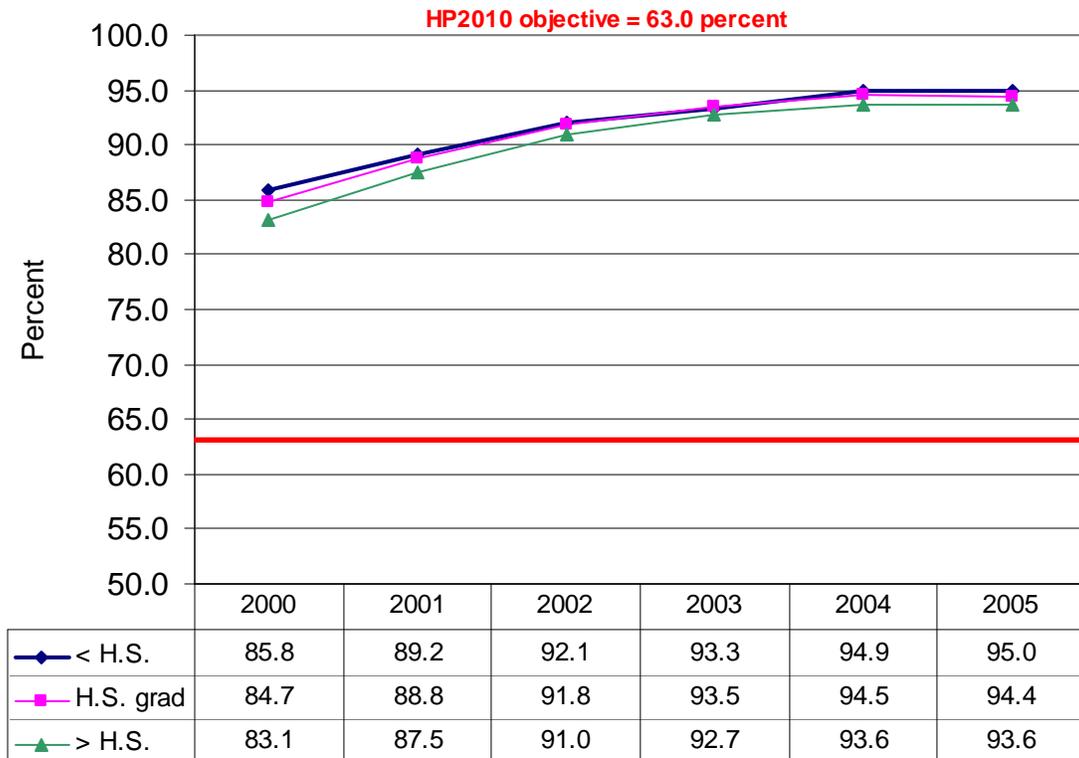


Data by race and ethnicity of the mother (**Figure 16-9b.2, Table 16-9b**) show that the highest repeat cesarean birth rates among females having low-risk births were found for Hispanics or Latinas (significant increase from 85.3 percent in 2000 to 94.9 percent in 2005). The lowest rate was found for American Indians or Alaska Natives (AIAN) (overall increase from 87.2 percent in 2000 to 92.2 percent in 2005, with no significant trend). This HP2010 objective was not being achieved for any racial or ethnic population as of 2005, and rates were significantly increasing and moving away from the target for all other racial and ethnic populations.



Data by educational level of mother (**Figure 16-9b.3, Table 16-9b**) indicate those who had less than a high school education experienced the highest repeat cesarean delivery rates (significant increase from 85.8 percent in 2000 to 95.0 percent in 2005). Mothers with at least some college education had the lowest repeat cesarean delivery rates, with a significantly increasing trend since 2000. This HP2010 objective was not being achieved for women of any educational level as of 2005, and rates were significantly moving away from the HP2010 target of 63.0 percent.

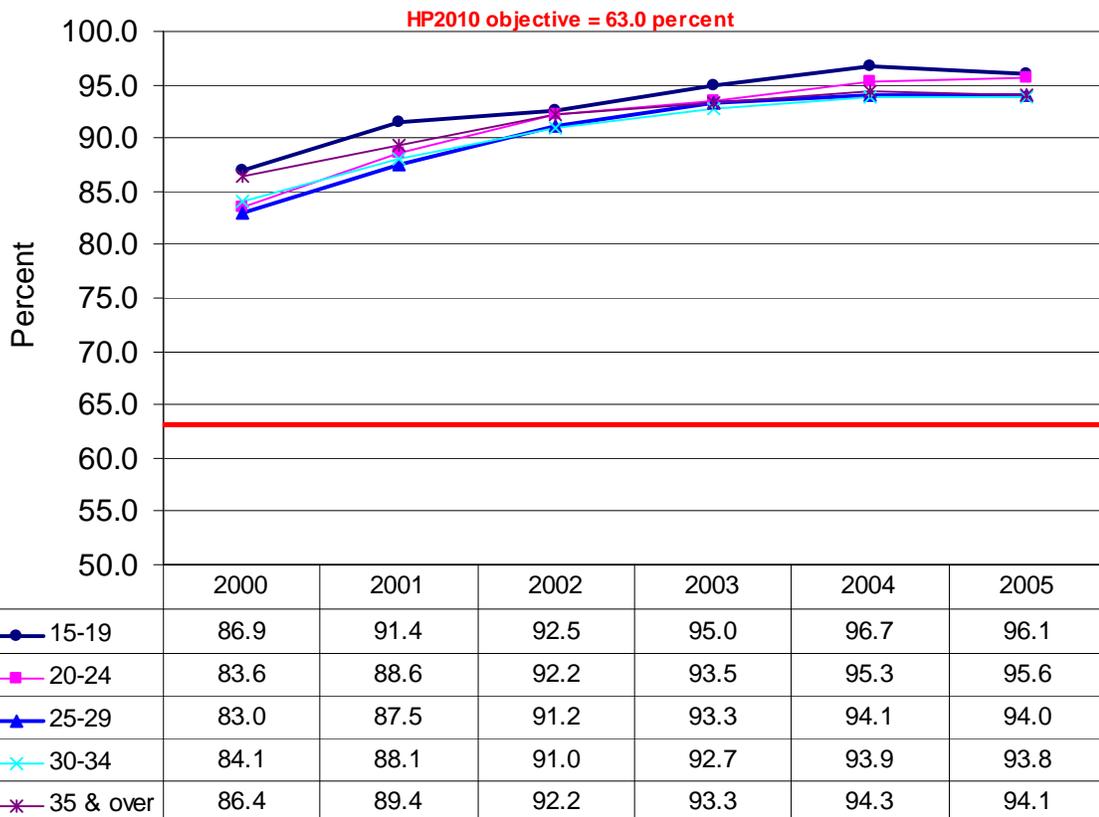
**Figure 16-9b.3. Repeat Cesarean Delivery Rates
Among Low-Risk Births to Females Who Have Had Prior Cesarean Delivery
By Educational Level of Mother, California, 2000-2005**



SOURCE: DATA2010 (May 2008), National Vital Statistics System - Natality (NVSS-N), CDC, NCHS.

Examined by maternal age, repeat cesarean delivery rates among females having low-risk births were significantly increasing for all age groups (**Figure 16-9b.4, Table 16-9b**). Repeat cesarean delivery rates were highest among females in the youngest age groups, with significantly increasing trends since 2000. Data for maternal age group under 15 years were unreliable due to the small number of events and are not reported here. The HP2010 objective of 63.0 percent was not being achieved for any maternal age group as of 2005.

**Figure 16-9b.4. Repeat Cesarean Delivery Rates
Among Low-Risk Births to Females Who Have Had Prior Cesarean Delivery
By Age of Mother, California, 2000-2005**



SOURCE: DATA2010 (May 2008), National Vital Statistics System - Natality (NV/SS-N), CDC, NCHS.

For more information on repeat cesarean deliveries in California, visit the Maternal, Child and Adolescent Health Branch Web site at:

<http://www.cdph.ca.gov/programs/MCAH/Pages/default.aspx>

For more information on Healthy People 2010 objective 16-9b, please visit:

<http://www.healthypeople.gov/Document/HTML/Volume2/16MICH.htm>

and the DATA2010 Web site at: <http://wonder.cdc.gov/data2010/>

Table 16-9b. Repeat Cesarean Section Delivery Rates For Low-Risk Births, California 2000-2005

	2000			2001			2002		
	Rate ¹	Lower 95% C.I.	Upper 95% C.I.	Rate ¹	Lower 95% C.I.	Upper 95% C.I.	Rate ¹	Lower 95% C.I.	Upper 95% C.I.
Statewide Total	84.4	84.0	84.8	88.4	88.2	88.6	91.6	91.4	91.8
Race-Ethnicity of Mother									
African American/Black	84.2	82.8	85.6	88.4	87.2	89.6	91.6	90.6	92.6
American Indian/Alaska Native	87.2	83.1	91.3	90.8	87.5	94.1	91.8	88.7	94.9
Asian/Pacific Islander	81.4	80.2	82.6	87.3	86.3	88.3	89.1	88.3	89.9
Hispanic/Latina	85.3	84.9	85.7	89.2	88.8	89.6	92.1	91.7	92.5
White	83.7	83.1	84.3	87.5	86.9	88.1	91.6	91.2	92.0
Maternal Age Group									
Under 15	DSU	-----	-----	DSU	-----	-----	DSU	-----	-----
15 - 19	86.9	84.7	89.1	91.4	89.6	93.2	92.5	90.7	94.3
20 - 24	83.6	82.8	84.4	88.6	87.8	89.4	92.2	91.6	92.8
25 - 29	83.0	82.4	83.6	87.5	86.9	88.1	91.2	90.8	91.6
30 - 34	84.1	83.5	84.7	88.1	87.5	88.7	91.0	90.6	91.4
35 and over	86.4	85.8	87.0	89.4	88.8	90.0	92.2	91.8	92.6
Education Level of Mother									
Less than high school	85.8	85.2	86.4	89.2	88.6	89.8	92.1	91.7	92.5
High school graduate	84.7	84.1	85.3	88.8	88.2	89.4	91.8	91.4	92.2
Some college	83.1	82.5	83.7	87.5	87.1	87.9	91.0	90.6	91.4

	2003			2004			2005		
	Rate ¹	Lower 95% C.I.	Upper 95% C.I.	Rate ¹	Lower 95% C.I.	Upper 95% C.I.	Rate ¹	Lower 95% C.I.	Upper 95% C.I.
Statewide Total	93.2	93.0	93.4	94.3	94.1	94.5	94.3	94.1	94.5
Race-Ethnicity of Mother									
African American/Black	92.6	91.6	93.6	93.9	93.1	94.7	94.3	93.5	95.1
American Indian/Alaska Native	93.3	90.2	96.4	94.7	92.2	97.2	92.2	89.3	95.1
Asian/Pacific Islander	91.9	91.3	92.5	92.9	92.3	93.5	93.2	92.6	93.8
Hispanic/Latina	93.6	93.2	94.0	94.9	94.5	95.3	94.9	94.5	95.3
White	92.8	92.4	93.2	93.8	93.4	94.2	93.4	93.0	93.8
Maternal Age Group									
Under 15	DSU	-----	-----	DSU	-----	-----	DSU	-----	-----
15 - 19	95.0	93.6	96.4	96.7	95.5	97.9	96.1	94.9	97.3
20 - 24	93.5	92.9	94.1	95.3	94.9	95.7	95.6	95.2	96.0
25 - 29	93.3	92.9	93.7	94.1	93.7	94.5	94.0	93.6	94.4
30 - 34	92.7	92.3	93.1	93.9	93.5	94.3	93.8	93.4	94.2
35 and over	93.3	92.9	93.7	94.3	93.9	94.7	94.1	93.7	94.5
Education Level of Mother									
Less than high school	93.3	92.9	93.7	94.9	94.5	95.3	95.0	94.6	95.4
High school graduate	93.5	93.1	93.9	94.5	94.1	94.9	94.4	94.0	94.8
Some college	92.7	92.3	93.1	93.6	93.2	94.0	93.6	93.2	94.0

SOURCE: DATA2010 (May 2008), CDC, NCHS; National Vital Statistics System - Natality (NVSS-N).

NOTES: ¹ Percent of California females with "low-risk" pregnancy (full-term, singleton, vertex presentation) who have had prior Cesarean delivery and who had a repeat Cesarean for the current delivery.

DSU Data statistically unreliable due to small number of events.