

**MEASURE SUMMARY  
CHIPRA Core Set Candidate Measures**

A. **Control #:** PHP-38

B. **Measure Name:** Cesarean Rate for Low-risk First Birth Women

C. **Measure Definition**

- a. **Numerator:** The proportion of adolescents in the denominator who had a cesarean section
- b. **Denominator:** First live singleton births (no twins or beyond) to adolescents at  $\geq 37$  weeks gestation with vertex presentation (no breech or transverse fetal positions)

D. **Measure Type:**  Process  Outcome  Structure  Efficiency

E. **Measure collected using:**  EMR  CPOE  Other HIT  N/A  NR

**VALIDITY**

F. **Evidence of measure validity submitted?**  Yes  No

G. **Level of evidence supporting the measure (if submitted):** (see Oxford University CEBM Levels of Evidence)

Oxford CEBM = 2 (Cohort study; De Luca et al found that compared with infants delivered via planned vaginal delivery, infants delivered via elective cesarean delivery had significantly higher rates of mortality (adjusted risk ratio [aRR]: 2.1), risk of special care admission (aRR: 1.4), and respiratory morbidity (aRR: 1.8)).

H. **USPSTF Grade** if applicable:

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**FEASIBILITY**

I. **Measure Specifications Submitted?**  Yes  No  Yes, but insufficient detail provided

J. **Data Source:**

Admin  MR  Survey  Other (specify): Vital Records  NR

K. **Evidence of measure reliability submitted?**  Yes  No

L. **List of entity types currently using measure:**

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**IMPORTANCE**

M. **Addresses area of care mandated in legislation?**

<input checked="" type="checkbox"/>	Yes (specify): Prevention and Health Promotion: Prenatal/Perinatal	<input type="checkbox"/>	No
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N. **Documented variation in performance (by race/ethnicity, language spoken, insurance type, etc)?**

Yes  No  NR

Calif Maternal Quality Collaborative website reports for California:

Primary C-section 17.8%

No data by race/ethnicity or other, and this rate is not limited to low-risk women, nor to adolescents. No additional data could be readily identified on the site.

O. **Measure used/data are collected in racial/ethnic populations other than non-Hispanic white?**

Yes  No  NR