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 ≥ 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:

**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:**

**IMPORTANCE**

M. **Addresses area of care mandated in legislation?**
   
   □ Yes (specify): Prevention and Health Promotion: Prenatal/Perinatal □ No

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