

**\*\*NQF-ENDORSED VOLUNTARY CONSENSUS STANDARDS FOR HOSPITAL CARE\*\***

## **Measure Information Form**

**Core Measure Set:** Pregnancy and Related Conditions

**Set Measure ID #:** PR-1

**Performance Measure Name:** VBAC

**Description:** Prenatal patient evaluation, management, and treatment selection concerning vaginal deliveries in patients who have a history of previous cesarean section.

**Rationale:** A trial of labor may be offered to women who have had a previous cesarean section. Although trial of labor is usually successful and is relatively safe, major maternal complications can occur. The rate of vaginal birth after cesarean section (VBAC) along with other performance measures such as primary cesarean section, repeat cesarean section, and neonatal complications will assist organizations in understanding whether an increase or a decrease in the rate of VBAC is desirable.

**Type of Measure:** Outcome

**Improvement Noted As:** Either an increase or decrease in the rate depending on the context of the measure

**Numerator Statement:** Patients with VBAC

**Included Populations:** Not Applicable

**Excluded Populations:** *ICD-9-CM Principal Procedure Code* for cesarean section as defined in Appendix A, Table 4.07

**Data Elements:**

- *ICD-9-CM Other Procedure Codes*
- *ICD-9-CM Principal Procedure Code*

**Denominator Statement:** All patients who delivered with a history of previous cesarean section

**Included Populations:**

- *ICD-9-CM Principal Diagnosis Code* or *ICD-9-CM Other Diagnosis Codes* for pregnancy with delivery as defined in Appendix A, Tables 4.01, 4.02, 4.03, and 4.04 AND
- *ICD-9-CM Principal Diagnosis Code* or *ICD-9-CM Other Diagnosis Code 654.21* (previous cesarean section)

**Excluded Populations:** *ICD-9-CM Principal Diagnosis Code* or *ICD-9-CM Other Diagnosis Code* for abortion as defined in Appendix A, Table 4.06

**Data Elements:**

- *ICD-9-CM Other Diagnosis Codes*
- *ICD-9-CM Principal Diagnosis Code*

**Risk Adjustment:** Yes, refer to Appendix B, for risk factor definitions.

**Data Elements:**

- *Admission Date*
- *Birthdate*

**Data Collection Approach:** Retrospective data sources for required data elements include administrative data.

**Data Accuracy:**

- Variation may exist in the assignment of ICD-9-CM codes; therefore, coding practices may require evaluation to ensure consistency
- This measure is solely derived from ICD-9-CM codes, therefore accurate and thorough coding of all conditions is essential for reporting of this measure

**Measure Analysis Suggestions:** None

**Sampling:** Yes, for additional information see the Sampling section

**Data Reported as:** Aggregate rate generated from count data reported as a proportion

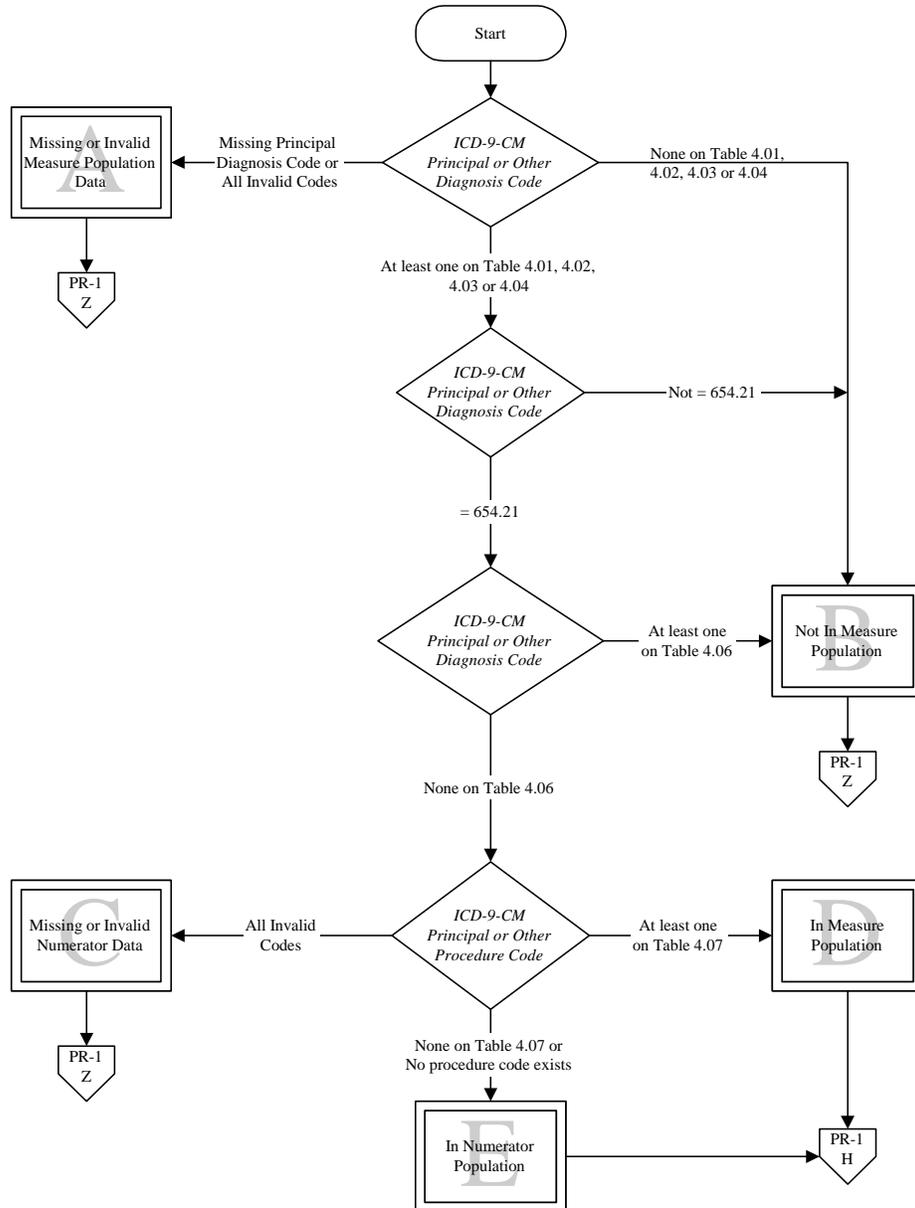
**Selected References:**

- American College of Obstetricians and Gynecologists (ACOG). Vaginal birth after previous cesarean delivery. Practice Bulletin No.5, July 1999:3.
- Centers for Disease Control and Prevention. National Vital Statistics Reports. 1999:Vol. 47, No.18:13.
- Healthy people 2010. Centers for Disease Control and Prevention, *Health Resources and Services Administration*. Vol. 2:16.
- McMahon, MJ, Luther, ER, Watson, Bowes Jr, WA, Olshan, AF Comparison of a trial of labor with an elective second cesarean section. *The New England Journal of Medicine*. 1996: Vol. 335, No. 10:689-695.
- Rates of Cesarean delivery-United States, 1993:Morbidity and Mortality Weekly Report, v.44, n.15, 1995:303(5).

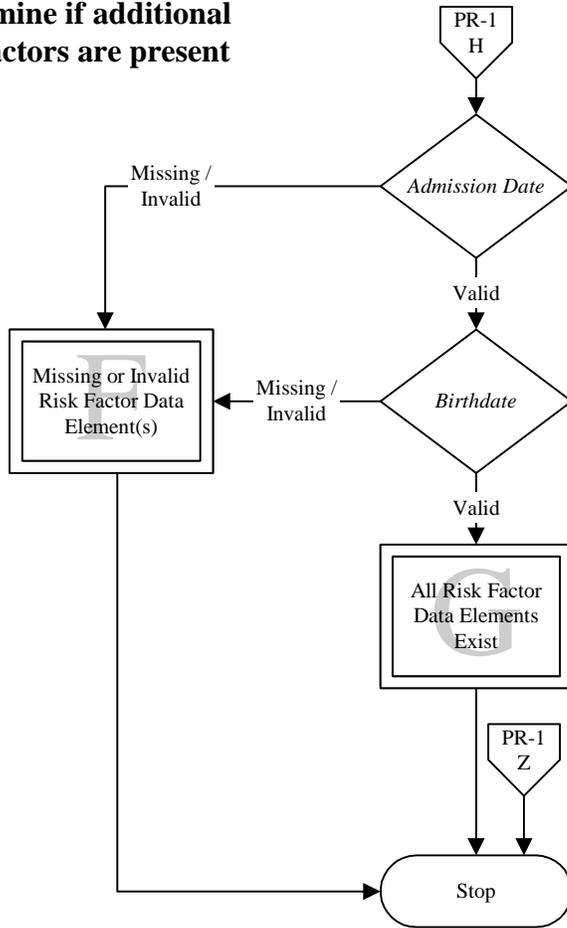
**(PR-1) VBAC**

**Numerator:** Patients with VBAC.

**Denominator:** All patients who delivered with a history of previous cesarean section.



**Determine if additional risk factors are present**



**Note:** Apply risk model to calculate predicted probability for each EOC. See Risk Adjustment section.