



AHRQ Quality Indicators™ (AHRQ QI™) ICD-10-CM/PCS Specification Version 6.0

Inpatient Quality Indicator 22 (IQI 22) Vaginal Birth After Cesarean (VBAC) Delivery Rate, Uncomplicated

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Provider-Level Indicator
Type of Score: Rate

Prepared by:

Agency for Healthcare Research and Quality

U.S. Department of Health and Human Services

www.qualityindicators.ahrq.gov

DESCRIPTION

Vaginal births per 1,000 deliveries by patients with previous Cesarean deliveries. Excludes deliveries with complications (abnormal presentation, preterm delivery, fetal death, multiple gestation diagnoses, or breech procedure).

[NOTE: The software provides the rate per previous Cesarean delivery. However, common practice reports the measure as per 1,000 previous Cesarean deliveries. The user must multiply the rate obtained from the software by 1,000 to report the number of vaginal births per 1,000 deliveries by patients with previous Cesarean deliveries.]

NUMERATOR

Number of vaginal deliveries, identified by any-listed ICD-10-CM diagnosis code for outcome of delivery with any-listed ICD-10-PCS procedure code for vaginal delivery.

Vaginal delivery procedure codes: (VAGDELP)

10D07Z3	Extraction of Products of Conception, Low Forceps, Via Natural or Artificial Opening	10D07Z7	Extraction of Products of Conception, Internal Version, Via Natural or Artificial Opening
10D07Z4	Extraction of Products of Conception, Mid Forceps, Via Natural or Artificial Opening	10D07Z8	Extraction of Products of Conception, Other, Via Natural or Artificial Opening
10D07Z5	Extraction of Products of Conception, High Forceps, Via Natural or Artificial Opening	10E0XZZ	Delivery of Products of Conception, External Approach
10D07Z6	Extraction of Products of Conception, Vacuum, Via Natural or Artificial Opening		

DENOMINATOR

All deliveries, identified in ICD-10 by outcome of delivery diagnosis codes, with any-listed ICD-10-CM diagnosis codes for previous Cesarean delivery.

Outcome of delivery diagnosis codes: (DELOCMD)

Z370	Single live birth	Z3759	Other multiple births, all liveborn
Z371	Single stillbirth	Z3760	Multiple births, unspecified, some liveborn
Z372	Twins, both liveborn	Z3761	Triplets, some liveborn
Z373	Twins, one liveborn and one stillborn	Z3762	Quadruplets, some liveborn
Z374	Twins, both stillborn	Z3763	Quintuplets, some liveborn
Z3750	Multiple births, unspecified, all liveborn	Z3764	Sextuplets, some liveborn
Z3751	Triplets, all liveborn	Z3769	Other multiple births, some liveborn
Z3752	Quadruplets, all liveborn	Z377	Other multiple births, all stillborn
Z3753	Quintuplets, all liveborn	Z379	Outcome of delivery, unspecified
Z3754	Sextuplets, all liveborn		

Previous Cesarean delivery diagnosis codes: (PRVBACD)

O3421	Maternal care for scar from previous cesarean delivery	O6641	Failed attempted vaginal birth after previous cesarean delivery
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DENOMINATOR EXCLUSIONS

Exclude cases:

- with any-listed ICD-10-CM diagnosis codes for abnormal presentation, preterm, fetal death, or multiple gestation
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

[*Appendix A – Abnormal Presentation, Preterm, Fetal Death and Multiple Gestation
Diagnosis Codes*](#)