



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

## **Patient Safety Indicators 18 (PSI 18) Obstetric Trauma Rate – Vaginal Delivery With Instrument**

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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](http://www.qualityindicators.ahrq.gov)

**DESCRIPTION**

Third and fourth degree obstetric traumas per 1,000 instrument-assisted vaginal deliveries.

*[NOTE: The software provides the rate per delivery. However, common practice reports the measure as per 1,000 deliveries. The user must multiply the rate obtained from the software by 1,000 to report events per 1,000 deliveries.]*

**NUMERATOR**

Discharges, among cases meeting the inclusion and exclusion rules for the denominator, with any-listed ICD-10-CM diagnosis codes for third and fourth degree obstetric trauma.

*Third and fourth degree obstetric trauma diagnosis codes: (OBTRAIID)*

O702 Third degree perineal laceration during delivery

O703 Fourth degree perineal laceration during delivery

**DENOMINATOR**

Vaginal deliveries, identified in ICD-10 by any-listed ICD-10-CM diagnosis code for outcome of delivery with any-listed ICD-10-PCS code for vaginal delivery and any-listed ICD-10-PCS procedure codes for instrument-assisted

***Instrument-assisted delivery procedure codes: (INSTRIP)***

10D07Z3	Extraction of Products of Conception, Low Forceps, Via Natural or Artificial Opening	10D07Z6	Extraction of Products of Conception, Vacuum, 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		

***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		

***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 EXCLUSIONS**

Exclude cases:

- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing), or principal diagnosis (DX1=missing)