



Patient Safety Indicator 18 (PSI 18) Obstetric Trauma Rate – Vaginal Delivery With Instrument July 2022 Hospital-Level Indicator Type of Score: Rate

Prepared by:

Agency for Healthcare Research and Quality

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DESCRIPTION

Hospital discharges with third and fourth degree obstetric injuries per 1,000 instrument-assisted vaginal deliveries.

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

NUMERATOR

Discharges, among cases meeting the inclusion and exclusion rules for the denominator, with any listed ICD-10-CM diagnosis code for third or fourth degree obstetric injury (**OBTRAIID***).

DENOMINATOR

Discharges with any ICD-10-CM diagnosis code for outcome of delivery (**DELOCMD***), with any ICD-10-PCS procedure code for vaginal delivery (**VAGDELP***), and any ICD-10-PCS procedure code for instrument-assisted delivery (**INSTRIP***).

DENOMINATOR EXCLUSIONS

Exclude discharges:

- MDC 15 (newborns and other neonates with conditions originating in perinatal period)
- with an ungroupable DRG (DRG=999)
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing), or principal diagnosis (DX1=missing)
- with missing MDC (MDC=missing) when the user indicates that MDC is provided

* See below for code list

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

O702	Third degree perineal laceration during delivery	O7022	Third degree perineal laceration during delivery, IIIB
O7020	Third degree perineal laceration during delivery, unspecified	O7023	Third degree perineal laceration during delivery, IIIC
O7021	Third degree perineal laceration during delivery, IIIA	O703	Fourth degree perineal laceration during 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		

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		

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		