



Patient Safety Indicator 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

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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-9-CM diagnosis codes for third and fourth degree obstetric trauma.

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

66420	Del w 3 deg lacerat-unsp	66430	Trauma to perineum and vulva during delivery, fourth-degree perineal laceration
66421	Del w 3 deg lacerat-del	66431	Trauma to perineum and vulva during delivery, fourth-degree perineal laceration
66424	Del w 3 deg lac-postpart	66434	Trauma to perineum and vulva during delivery, fourth-degree perineal laceration

DENOMINATOR

Vaginal deliveries, identified in ICD-9 by MS-DRG codes, with any-listed ICD-9-CM procedure codes for instrument-assisted delivery.

Vaginal delivery MS-DRG codes: (PRVAG2G)

767	Vaginal delivery w sterilization &/or D&C	774	Vaginal delivery w complicating diagnoses
768	Vaginal delivery w O.R. proc except steril &/or D&C	775	Vaginal delivery w/o complicating diagnoses

Instrument-assisted delivery procedure codes: (INSTRIP)

720	Low forceps operation	7251	Partial breech extraction with forceps to aftercoming head
721	Low forceps operation with episiotomy	7253	Total breech extraction with forceps to aftercoming head
7221	Mid forceps operation with episiotomy	726	Forceps application to aftercoming head
7229	Other mid forceps operation	7271	Vacuum extraction with episiotomy
7231	High forceps operation with episiotomy	7279	Vacuum extraction delivery nec
7239	Other high forceps operation	728	Other specified instrumental delivery
724	Forceps rotation of fetal head	729	Unspecified instrumental delivery

DENOMINATOR EXCLUSIONS

Exclude cases:

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