

Obstetric Trauma Rate – Vaginal Delivery With Instrument Technical Specifications

Patient Safety Indicators #18 (PSI #18)
AHRQ Quality Indicators™, Version 4.5, May 2013
Provider-Level Indicator
Type of Score: Rate

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.

ICD-9-CM Third and fourth degree obstetric trauma diagnosis codes:

66420	DEL W 3 DEG LACERAT-UNSP	66430	DEL W 4 DEG LACERAT-UNSP
66421	DEL W 3 DEG LACERAT-DEL	66431	DEL W 4 DEG LACERAT-DEL
66424	DEL W 3 DEG LAC-POSTPART	66434	DEL W 4 DEG LAC-POSTPART

Denominator

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

Vaginal delivery DRG codes:

372	VAGINAL DELIVERY W/ COMPLICATING DIAGNOSES	374	VAGINAL DELIVERY W/ STERILIZATION &/OR D&C
373	VAGINAL DELIVERY W/O COMPLICATING DIAGNOSES	375	VAGINAL DELIVERY W/ O.R. PROC EXCEPT STERILIZATION &/OR D&C

Vaginal delivery MS-DRG codes:

767	VAGINAL DELIVERY W/ STERILIZATON &/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

ICD-9-CM Instrument-assisted delivery procedure codes:

720	LOW FORCEPS OPERATION	721	LOW FORCEPS W EPISIOTOMY
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7221	MID FORCEPS W EPISIOTOMY	7253	TOT BRCH EXTRAC W FORCEP
7229	MID FORCEPS OP NEC	726	FORCEPS-AFTERCOMING HEAD
7231	HIGH FORCEPS W EPISIOT	7271	VACUUM EXT DEL W EPISOT
7239	HIGH FORCEPS OP NEC	7279	VACUUM EXTRACT DEL NEC
724	FORCEPS ROTAT FETAL HEAD	728	INSTRUMENT DELIVERY NEC
7251	PART BRCH EXTRAC W FORCP	729	INSTRUMENT DELIVERY NOS

Exclude cases:

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