



**AHRQ Quality Indicators™ (AHRQ QI™)
ICD-9-CM and ICD-10-CM/PCS
Specification Enhanced Version 5.0**

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

**October 2015
Provider-Level Indicator
Type of Score: Rate**

Prepared by:

Agency for Healthcare Research and Quality
U.S. Department of Health and Human Services
540 Gaither Road
Rockville, MD 20850
www.qualityindicators.ahrq.gov

PSI #18 Obstetric Trauma Rate – Vaginal Delivery With Instrument

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.]

PSI #18 Obstetric Trauma Rate – Vaginal Delivery With Instrument

NUMERATOR			
Discharges, among cases meeting the inclusion and exclusion rules for the denominator, with any-listed ICD-9-CM or ICD-10-CM diagnosis codes for third and fourth degree obstetric trauma.			
<i>Third and fourth degree obstetric trauma diagnosis codes: (OBTRAIID)</i>			
ICD-9-CM	Description	ICD-10-CM	Description
66420	DEL W 3 DEG LACERAT-UNSP	0702	Third degree perineal laceration during delivery
66421	DEL W 3 DEG LACERAT-DEL	0703	Fourth degree perineal laceration during delivery
66424	DEL W 3 DEG LAC-POSTPART		
66430	TRAUMA TO PERINEUM AND VULVA DURING DELIVERY,FOURTH-DEGREE PERINEAL LACERATION		
66431	TRAUMA TO PERINEUM AND VULVA DURING DELIVERY,FOURTH-DEGREE PERINEAL LACERATION		
66434	TRAUMA TO PERINEUM AND VULVA DURING DELIVERY,FOURTH-DEGREE PERINEAL LACERATION		

PSI #18 Obstetric Trauma Rate – Vaginal Delivery With Instrument

NUMERATOR EXCLUSIONS
<i>Not Applicable</i>

PSI #18 Obstetric Trauma Rate – Vaginal Delivery With Instrument

DENOMINATOR			
Vaginal deliveries, identified by DRG or MS-DRG code, with any-listed ICD-9-CM or ICD-10-PCS procedure codes for instrument-assisted delivery.			
<i>Vaginal delivery DRG codes: (PRVAGBG)</i>			
ICD-9-CM	Description	ICD-10-PCS	Description
372	VAGINAL DELIVERY W COMPLICATING DIAGNOSES		<i>Same codes as for ICD-9-CM</i>
373	VAGINAL DELIVERY W/O COMPLICATING DIAGNOSES		
374	VAGINAL DELIVERY W STERILIZATION &/OR D&C		
375	VAGINAL DELIVERY W O.R. PROC EXCEPT STERIL &/OR D&C		
<i>Vaginal delivery MS-DRG codes: (PRVAG2G)</i>			
ICD-9-CM	Description	ICD-10-PCS	Description
767	Vaginal delivery w sterilization &/or D&C		<i>Same codes as for ICD-9-CM</i>
768	Vaginal delivery w O.R. proc except steril &/or D&C		
774	Vaginal delivery w complicating diagnoses		
775	Vaginal delivery w/o complicating diagnoses		
<i>Instrument-assisted delivery procedure codes: (INSTRIP)</i>			
ICD-9-CM	Description	ICD-10-PCS	Description
720	LOW FORCEPS OPERATION	10D07Z3	Extraction of Products of Conception, Low Forceps, Via Natural or Artificial Opening
721	LOW FORCEPS OPERATION WITH EPISIOTOMY	10D07Z4	Extraction of Products of Conception, Mid Forceps, Via Natural or Artificial Opening
7221	MID FORCEPS OPERATION WITH EPISIOTOMY	10D07Z5	Extraction of Products of Conception, High Forceps, Via Natural or Artificial Opening
7229	OTHER MID FORCEPS OPERATION	10D07Z6	Extraction of Products of Conception, Vacuum, Via Natural or Artificial Opening

7231	HIGH FORCEPS OPERATION WITH EPISIOTOMY	10D07Z8	Extraction of Products of Conception, Other, Via Natural or Artificial Opening
7239	OTHER HIGH FORCEPS OPERATION		
724	FORCEPS ROTATION OF FETAL HEAD		
7251	PARTIAL BREECH EXTRACTION WITH FORCEPS TO AFTERCOMING HEAD		
7253	TOTAL BREECH EXTRACTION WITH FORCEPS TO		
726	FORCEPS APPLICATION TO AFTERCOMING HEAD		
7271	VACUUM EXTRACTION WITH EPISIOTOMY		
7279	VACUUM EXTRACTION DELIVERY NEC		
728	OTHER SPECIFIED INSTRUMENTAL DELIVERY		
729	UNSPECIFIED INSTRUMENTAL DELIVERY		

PSI #18 Obstetric Trauma Rate – Vaginal Delivery With Instrument

DENOMINATOR EXCLUSIONS

Exclude cases:

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