

# Rate of Complications of Anesthesia Technical Specifications

## Experimental Quality Indicators #1 (EXP #1)

AHRQ Quality Indicators™, Version 4.5, May 2013

Provider-Level Indicator

Type of Score: Rate

### Description

Discharges with adverse effects or poisoning from anesthetics (secondary diagnosis) per 1,000 surgical discharges for patients ages 18 years and older or obstetric cases. Excludes cases with a principal diagnosis of adverse effects or poisoning from anesthetics; cases with a secondary diagnosis of adverse effects or poisoning from anesthetics present on admission; and cases with secondary diagnosis of poisoning by anesthetics and a diagnosis of self-inflicted injury, active drug dependence, or nondependent abuse of drugs.

*[NOTE: The Windows QI Software Version 4.5 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.]*

*[NOTE: Beginning with Version 4.1, the AHRQ QI™ program no longer maintains SAS software or updates the codes for this indicator.]*

### Numerator

Discharges, among cases meeting the inclusion and exclusion rules for the denominator, with any secondary ICD-9-CM diagnosis codes for adverse effects of anesthetics or any secondary ICD-9-CM diagnosis codes for poisoning by anesthetics.

#### ICD-9-CM Adverse effects of anesthetics diagnosis codes:

E8763	MISPLACED ENDOTRACH TUBE	E9385	ADV EFF TOPIC/INFIL ANES
E9381	ADD EFF HALOTHANE	E9386	ADV EFF NERVE-BLOCK ANES
E9382	ADV EFF GAS ANESTHET NEC	E9387	ADV EFF SPINAL ANESTHET
E9383	ADV EFF INTRAVEN ANESTH	E9389	ADV EFF LOC ANES NEC/NOS
E9384	ADV EFF GEN ANES NEC/NOS		

#### ICD-9-CM Poisoning by anesthetics diagnosis codes:

9681	POISONING-HALOTHANE	9684	POIS-GEN ANESTH NEC/NOS
9682	POISON-GAS ANESTHET NEC	9687	POISON-SPINAL ANESTHETIC
9683	POISON-INTRAVEN ANESTHET	E8551	ACC POISN-CNS DEPRES NEC

### Denominator

Surgical discharges, for patients ages 18 years and older or MDC 14 (pregnancy, childbirth,

and puerperium), with any-listed ICD-9-CM procedure codes for an operating room procedure. Surgical discharges are defined by specific DRG or MS-DRG codes.

See *Patient Safety Indicators Appendices*:

- Appendix A – Operating Room Procedure Codes
- Appendix D – Surgical Discharge DRGs
- Appendix E – Surgical Discharge MS-DRGs

Exclude cases:

- with a principal ICD-9-CM diagnosis code (or secondary diagnosis code present on admission) for adverse effects of anesthetics (see above)
- with a principal ICD-9-CM diagnosis code (or secondary diagnosis code present on admission) for poisoning by anesthetics (see above)
- with any secondary ICD-9-CM diagnosis codes for poisoning by anesthetics (see above) and any-listed ICD-9-CM diagnosis codes for self-inflicted injury
- with any secondary ICD-9-CM diagnosis codes for poisoning by anesthetics (see above) and any-listed ICD-9-CM diagnosis codes for active drug dependence
- with any secondary ICD-9-CM diagnosis codes for poisoning by anesthetics (see above) and any-listed ICD-9-CM diagnosis codes for active nondependent abuse of drugs
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing), or principal diagnosis (DX1=missing)

See *Patient Safety Indicators Appendices*:

- Appendix K –Self-Inflicted Injury Diagnosis Codes

**ICD-9-CM Active drug dependence diagnosis codes:**

30400	OPIOID DEPENDENCE-UNSPEC	30450	HALLUCINOGEN DEP-UNSPEC
30401	OPIOID DEPENDENCE-CONTIN	30451	HALLUCINOGEN DEP-CONTIN
30402	OPIOID DEPENDENCE-EPIBOD	30452	HALLUCINOGEN DEP-EPIBOD
30410	SED,HYP,ANXIOLYT DEP-NOS	30460	DRUG DEPEND NEC-UNSPEC
30411	SED,HYP,ANZIOLYT DEP-CON	30461	DRUF DEPEND NEC-CONTIN
30412	SED,HYP,ANXIOLYT DEP-EPI	30462	DRUG DEPEND-NEC EPIBODIC
30420	COCAINE DEPEND-UNSPEC	30470	OPIOID/OTHER DEP-UNPSPEC
30421	COCAINE DEPEND-CONTIN	30471	OPIOID/OTHER DEP-CONTIN
30422	COCAINE DEPEND-EPIBODIC	30472	OPIOID/OTHER DEP-EPIBOD
30430	CANNABIS DEPEND-UNSPEC	30480	COMB DRUG DEP-UNSPEC
30431	CANNABIS DEPEND-CONTIN	30481	COMB DRUG DEP NEC-CONTIN
30432	CANNABIS DEPEND-EPIBOD	30482	COMB DRUF DEP NEC-EPIBOD
30440	AMPHETAMIN DEPEND-UNSPEC	30490	DRUG DEPEND NOS-UNSPEC
30441	AMPHETAMIN DEPEND-CONTIN	30491	DRUG DEPEND NOS-CONTIN
30442	AMPHETAMIN DEPEND-EPIBOD	30492	DRUG DEPEND NOS-EPIBODIC

**ICD-9-CM Active nondependent abuse of drugs diagnosis codes:**

30520	CANNABIS ABUSE-UNSPEC	30550	OPIOID ABUSE-UNSPEC
30521	CANNABIS ABUSE-CONTIN	30551	OPIOID ABUSE-CONTINUOUS
30522	CANNABIS ABUSE-EPIBODIC	30552	OPIOID ABUSE-EPIBODIC
30530	HALLUCINOABUSE-UNSPEC	30560	COCAINE ABUSE-UNSPEC
30531	HALLUCINOABUSE-CONTIN	30561	COCAINE ABUSE-CONTINUOUS
30532	HALLUCINOABUSE-EPIBOD	30562	COCAINE ABUSE-EPIBODIC
30540	SED,HYP,ANXIOLYTIC AB-NOS	30570	AMPHETAMINE ABUSE-UNSPEC
30541	SED,HYP,ANXIOLYTIC AB-CON	30571	AMPHETAMINE ABUSE-CONTIN
30542	SED,HYP,ANXIOLYTIC AB-EPI	30572	AMPHETAMINE ABUSE-EPIBOD

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30580 ANTIDEPRESS ABUSE-UNSPEC  
30581 ANTIDEPRESS ABUSE-CONTIN  
30582 ANTIDEPRESS ABUSE-EPISOD

30590 DRUG ABUSE NEC-UNSPEC  
30591 DRUG ABUSE NEC-CONTIN  
30592 DRUG ABUSE NEC-EPISODIC