SCIP-Inf-1: Prophylactic Antibiotic Received Within One Hour Prior to Surgical Incision

Numerator: Number of surgical patients with prophylactic antibiotics initiated within one hour prior to surgical incision (two hours if receiving vancomycin or fluoroquinolone).

Denominator: All selected surgical patients with no evidence of prior infection.

Variable Key:
Antibiotic Days I
Antibiotic Timing I
Surgery Days

Specifications Manual for National Hospital Inpatient Quality Measures
Discharges 10-01-08 (4Q08) through 03-31-09 (1Q09)
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Note: The front-end edits reject cases containing invalid data and/or an incomplete Antibiotic Grid. A complete Antibiotic Grid requires all data elements in the row to contain either a valid value and/or ‘UTD’.

On Table 2.1 for at least one antibiotic

Note: Proceed only with antibiotic doses on Table 2.1 in Appendix C.

~3.10 for all antibiotic doses

~1.2 for any antibiotic dose

Proceed only with antibiotic doses on Table 2.1 that are administered via routes ‘1’ or ‘2’.

~UTD for all antibiotic doses

Non-UTD date for at least one antibiotic dose

Note: Proceed only with antibiotic doses that have an associated non-UTD date.

Antibiotic Days 1 = Surgery Start Date - Antibiotic Administration Date (in days)

> 1 for at least one antibiotic dose

≤ 1 for all antibiotic doses

≤ 0 for all antibiotic doses

≥ 0 for any antibiotic dose

ICD-9-CM Principal Procedure Code

Not on Table 5.03

On Table 5.03

Oral Antibiotics

Missing

Surgical Incision Time

UTD

Non-UTD Value

Antibiotic Administration Time

Non-UTD time for at least one antibiotic dose

Note: Proceed only with antibiotic doses that have an associated non-UTD time.

Antibiotic Timing 1 = Surgery Start Date and Surgical Incision Time - Antibiotic Administration Date and Antibiotic Administration Time (in minutes)

INF-1
≤ 1440 minutes for all antibiotic doses

Antibiotic Timing I

> 1440 minutes for any antibiotic dose

ICD-9-CM Principal Procedure Code

Not on Table 5.03

Not in Measure Population

INF-1 K

Inf in Numerator Population

For Overall Rate (SCIP-INF-1a)

Antibiotic Timing I

≥ 0 minutes and ≤ 60 minutes for at least one antibiotic dose

< 0 minutes or > 60 minutes for all antibiotic doses

Antibiotic Name

Not on Table 3.8 or Table 3.10 for any dose

INF-1 D

For Overall Rate (SCIP-INF-1a)

Case Will Be Rejected

INF-1 X

In Measure Population

INF-1 D

For Overall Rate (SCIP-INF-1a)

< 0 minutes or > 120 minutes for all antibiotic doses on Table 3.8 or Table 3.10

INF-1 X

For Overall Rate (SCIP-INF-1a)

INF-1 K

STOP here for CMS. CONTINUE to “K” for The Joint Commission.
Note: Initialize the Measure Category Assignment for each strata measure (b-g) = ‘B’.

Do not change the Measure Category Assignment that was already calculated for the overall rate (SCIP-INF-1a).

The rest of the algorithm will reset the appropriate Measure Category Assignment to be equal to the overall rate's (SCIP-INF-1a) Measure Category Assignment.
Set the Measure Category Assignment for measure SCIP-INF-1e = the Measure Category Assignment for measure SCIP-INF-1a

For Stratified Measure
SCIP-INF-1e

Set the Measure Category Assignment for measure SCIP-INF-1f = the Measure Category Assignment for measure SCIP-INF-1a

For Stratified Measure
SCIP-INF-1f

Set the Measure Category Assignment for measure SCIP-INF-1g = the Measure Category Assignment for measure SCIP-INF-1a

For Stratified Measure
SCIP-INF-1g

Set the Measure Category Assignment for measure SCIP-INF-1h = the Measure Category Assignment for measure SCIP-INF-1a

For Stratified Measure
SCIP-INF-1h