

**\*Measure #22: Perioperative Care: Discontinuation of Prophylactic Antibiotics (Non-Cardiac Procedures)**

**DESCRIPTION:**

Percentage of non-cardiac surgical patients aged 18 years and older undergoing procedures with the indications for prophylactic antibiotics AND who received a prophylactic antibiotic, who have an order for discontinuation of prophylactic antibiotics within 24 hours of surgical end time

**INSTRUCTIONS:**

This measure is to be reported each time a procedure is performed during the reporting period for patients who undergo non-cardiac surgical procedures with the indications for prophylactic antibiotics. There is no diagnosis associated with this measure. It is anticipated that clinicians who perform the listed surgical procedures as specified in the denominator coding will submit this measure.

**This measure is reported using CPT Category II codes:**

CPT procedure codes and patient demographics (age, gender, etc.) are used to identify patients who are included in the denominator. CPT Category II codes are used to report the numerator of the measure. If multiple surgical procedures were performed on the same date of service and submitted on the same claim form, it is not necessary for the same clinician to submit the CPT Category II code with each procedure. However, if multiple NPIs are reporting this measure on the same claim, each NPI should report the quality-data code.

When reporting the measure, submit the listed CPT procedure codes and the appropriate CPT Category II code(s) **OR** the CPT Category II code(s) **with** the modifier. The modifiers allowed for this measure are: 1P- medical reasons, 8P- reasons not otherwise specified.

**NUMERATOR:**

Non-cardiac surgical patients who have an order for discontinuation of prophylactic antibiotics within 24 hours of surgical end time

**Numerator Instructions:** There must be documentation of order (written order, verbal order, or standing order/protocol) specifying that prophylactic antibiotic is to be discontinued within 24 hours of surgical end time OR specifying a course of antibiotic administration limited to that 24-hour period (e.g., "to be given every 8 hours for three doses") OR documentation that prophylactic antibiotic was discontinued within 24 hours of surgical end time.

**NUMERATOR NOTE:** *The correct combination of numerator code(s) must be reported on the claim form in order to properly report this measure. The "correct combination" of codes may require the submission of multiple numerator codes.*

**Numerator Coding:**

Documentation of order for discontinuation of prophylactic antibiotics (written order, verbal order, or standing order/protocol) within 24 hours of surgical end time (Two CPT II codes [4049F & 4046F] are required on the claim form to submit this category)

CPT II 4049F: Documentation that order was given to discontinue prophylactic antibiotics within 24 hours of surgical end time, non-cardiac procedure

*Note: CPT Category II code 4049F is provided for documentation that antibiotic discontinuation was ordered or that antibiotic discontinuation was accomplished. Report CPT Category II code 4049F if antibiotics were discontinued within 24 hours.*

**AND**

CPT II 4046F: Documentation that prophylactic antibiotics were given within 4 hours prior to surgical incision or given intraoperatively

OR

**Prophylactic Antibiotics not Discontinued for Medical Reasons**

(Two CPT II codes [4049F-1P & 4046F] are required on the claim form to submit this category)

Append a modifier (1P) to CPT Category II code 4049F to report documented circumstances that appropriately exclude patients from the denominator.

- 4049F *with* 1P: Documentation of medical reason(s) for not discontinuing prophylactic antibiotics within 24 hours of surgical end time

**AND**

CPT II 4046F: Documentation that prophylactic antibiotics were given within 4 hours prior to surgical incision or given intraoperatively

OR

**If patient is not eligible for this measure because patient did not receive prophylactic antibiotics within specified timeframe, report:**

(One CPT II code [4042F] is required on the claim form to submit this category)

CPT II 4042F: Documentation that prophylactic antibiotics were neither given within 4 hours prior to surgical incision nor given intraoperatively

OR

**Prophylactic Antibiotics not Discontinued, Reason not Specified**

(Two CPT II codes [4049F-8P & 4046F] are required on the claim form to submit this category)

Append a reporting modifier (8P) to CPT Category II code 4049F to report circumstances when the action described in the numerator is not performed and the reason is not otherwise specified.

- 4049F *with* 8P: Order was not given to discontinue prophylactic antibiotics within 24 hours of surgical end time, non-cardiac procedure, reason not otherwise specified

**AND**

**CPT II 4046F:** Documentation that prophylactic antibiotics were given within 4 hours prior to surgical incision or given intraoperatively

**DENOMINATOR:**

All non-cardiac surgical patients undergoing procedures with the indications for prophylactic antibiotics AND who received a prophylactic antibiotic.

**Denominator Instructions:** For the purpose of this measure of antibiotic discontinuation, patients may be counted as having "received a prophylactic antibiotic" if the antibiotic was received within 4 hours prior to the surgical incision (or start of procedure when no incision is required) or intraoperatively.

**Denominator Coding:**

A CPT procedure code for non-cardiac surgical procedures for which prophylactic antibiotics are indicated is required to identify patients for denominator inclusion.

<b>SURGICAL PROCEDURE</b>	<b>CPT CODE</b>
<b>Integumentary</b>	15734, 15738, 19260, 19271, 19272, 19301, 19302, 19303, 19304, 19305, 19306, 19307, 19361, 19364, 19366, 19367, 19368, 19369
<b>Le Fort Fractures</b>	21346, 21347, 21348, 21422, 21423, 21432, 21433, 21435, 21436
<b>Mandibular Fracture</b>	21454, 21461, 21462, 21465, 21470
<b>Spine</b>	22325, 22612, 22630, 22800, 22802, 22804, 63030, 63042
<b>Hip Reconstruction</b>	27125, 27130, 27132, 27134, 27137, 27138
<b>Trauma (Fractures)</b>	27235, 27236, 27244, 27245, 27269, 27758, 27759, 27766, 27769, 27792, 27814
<b>Knee Reconstruction</b>	27440, 27441, 27442, 27443, 27445, 27446, 27447
<b>Laryngectomy</b>	31360, 31365, 31367, 31368, 31370, 31375, 31380, 31382, 31390, 31395
<b>Vascular</b>	33877, 33880, 33881, 33883, 33886, 33891, 34800, 34802, 34803, 34804, 34805, 34825, 34830, 34831, 34832, 34900, 35081, 35091, 35102, 35131, 35141, 35151, 35601, 35606, 35612, 35616, 35621, 35623, 35626, 35631, 35636, 35637, 35638, 35642, 35645, 35646, 35647, 35650, 35651, 35654, 35656, 35661, 35663, 35665, 35666, 35671, 36830
<b>Glossectomy</b>	41130, 41135, 41140, 41145, 41150, 41153, 41155
<b>Esophagus</b>	43045, 43100, 43101, 43107, 43108, 43112, 43113, 43116, 43117, 43118, 43121, 43122, 43123, 43124, 43130, 43135, 43300, 43305, 43310, 43312, 43313, 43320, 43324, 43325, 43326, 43330, 43331, 43340, 43341, 43350, 43351, 43352, 43360, 43361, 43400, 43401, 43405, 43410, 43415, 43420, 43425, 43496

<b>Stomach</b>	43500, 43501, 43502, 43510, 43520, 43600, 43605, 43610, 43611, 43620, 43621, 43622, 43631, 43632, 43633, 43634, 43640, 43641, 43653, 43800, 43810, 43820, 43825, 43830, 43831, 43832, 43840, 43843, 43845, 43846, 43847, 43848, 43850, 43855, 43860, 43865, 43870
<b>Small Intestine</b>	44005, 44010, 44020, 44021, 44050, 44055, 44100, 44120, 44125, 44126, 44127, 44130, 44132, 44133, 44135, 44136
<b>Colon and Rectum</b>	43880, 44025, 44110, 44111, 44140, 44141, 44143, 44144, 44145, 44146, 44147, 44150, 44151, 44155, 44156, 44157, 44158, 44160, 44202, 44204, 44205, 44206, 44207, 44208, 44210, 44211, 44212, 44300, 44310, 44312, 44314, 44316, 44320, 44322, 44340, 44345, 44346, 44615, 44620, 44625, 44626, 44640, 44650, 44660, 44661, 44700, 44950, 51597
<b>Anus and Rectum</b>	45108, 45110, 45111, 45112, 45113, 45114, 45116, 45119, 45120, 45121, 45123, 45126, 45130, 45135, 45136, 45150, 45160, 45170, 45190, 45500, 45505, 45520, 45540, 45541, 45550, 45560, 45562, 45563, 45800, 45805, 45820, 45825
<b>Biliary Surgery</b>	47420, 47425, 47460, 47480, 47560, 47561, 47570, 47600, 47605, 47610, 47612, 47620, 47700, 47701, 47711, 47712, 47715, 47720, 47721, 47740, 47741, 47760, 47765, 47780, 47785, 47800, 47802, 47900
<b>Pancreas</b>	48020, 48100, 48120, 48140, 48145, 48146, 48148, 48150, 48152, 48153, 48154, 48155, 48500, 48510, 48511, 48520, 48540, 48545, 48547, 48548, 48550, 48554, 48556
<b>Abdomen, Peritoneum, &amp; Omentum</b>	49215, 49568
<b>Renal Transplant</b>	50300, 50320, 50340, 50360, 50365, 50370, 50380
<b>Gynecologic Surgery</b>	58150, 58152, 58180, 58200, 58210, 58260, 58262, 58263, 58267, 58270, 58275, 58280, 58285, 58290, 58291, 58292, 58293, 58294
<b>Acoustic Neuroma</b>	61520, 61526, 61530, 61591, 61595, 61596, 61598, 61606, 61616, 61618, 61619, 69720, 69955, 69960, 69970
<b>Cochlear Implants</b>	69930
<b>Neurological Surgery</b>	22524, 22554, 22558, 22600, 22612, 22630, 35301, 61154, 61312, 61313, 61315, 61510, 61512, 61518, 61548, 61697, 61700, 61750, 61751, 61867, 62223, 62230, 63015, 63020, 63030, 63042, 63045, 63047, 63056, 63075, 63081, 63267, 63276
<b>Cardiothoracic (Pacemaker)</b>	33203, 33206, 33207, 33208, 33212, 33213, 33214, 33215, 33216, 33217, 33218, 33220, 33222, 33223,

	33224, 33225, 33226, 33233, 33234, 33235, 33236, 33237, 33238, 33240, 33241, 33243, 33244, 33249, 33254, 33255
<b>General Thoracic Surgery</b>	19272, 21627, 21632, 21740, 21750, 21805, 21825, 31760, 31766, 31770, 31775, 31786, 31805, 32095, 32100, 32110, 32120, 32124, 32140, 32141, 32150, 32215, 32220, 32225, 32310, 32320, 32402, 32440, 32442, 32445, 32480, 32482, 32484, 32486, 32488, 32491, 32500, 32501, 32800, 32810, 32815, 32900, 32905, 32906, 32940, 33020, 33025, 33030, 33031, 33050, 33300, 33310, 33320, 34051, 35021, 35216, 35246, 35276, 35311, 35481, 35526, 37616, 38381, 38746, 38747, 39000, 39010, 39200, 39220, 39545, 39561, 60521, 60522, 64746
<b>Foot &amp; Ankle</b>	27702, 27703, 27704, 27870, 28192, 28193, 28293, 28296, 28299, 28300, 28306, 28307, 28308, 28309, 28310, 28320, 28322, 28415, 28420, 28445, 28465, 28485, 28505, 28525, 28531, 28555, 28585, 28615, 28645, 28675, 28705, 28715, 28725, 28730, 28735, 28737, 28740, 28750, 28755, 28760

**RATIONALE:**

There is no evidence there is added benefit of prolonged prophylactic antibiotic use. Prolonged use may increase antibiotic resistant organisms.

**CLINICAL RECOMMENDATION STATEMENTS:**

At a minimum, antimicrobial coverage must be provided from the time of incision to closure of the incision. For most procedures, the duration of antimicrobial prophylaxis should be 24 hours or less, with the exception of cardiothoracic procedures (up to 72 hours' duration) and ophthalmic procedures (duration not clearly established). (ASHP)

Prophylactic antimicrobials should be discontinued within 24 hours after the operation. (SIPGWW)