*Measure #20 (NQF 0270): Perioperative Care: Timing of Prophylactic Parenteral Antibiotic – Ordering Physician

2014 PQRS OPTIONS FOR INDIVIDUAL MEASURES:
CLAIMS, REGISTRY

DESCRIPTION:
Percentage of surgical patients aged 18 years and older undergoing procedures with the indications for prophylactic parenteral antibiotics, who have an order for prophylactic parenteral antibiotic to be given within one hour (if fluoroquinolone or vancomycin, two hours), prior to the surgical incision (or start of procedure when no incision is required)

INSTRUCTIONS:
This measure is to be reported **each time** a procedure is performed during the reporting period for patients who undergo surgical procedures with the indications for prophylactic parenteral 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.

Measure Reporting via Claims:
CPT codes and patient demographics are used to identify patients who are included in the measure's denominator. Quality-data 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 quality-data code with each procedure. However, if multiple NPIs are reporting this measure on the same claim, each NPI should report the quality-data code (G-code).

When reporting the measure via claims, submit the listed CPT codes, and the appropriate quality-data code. All measure-specific coding should be reported on the claim(s) representing the eligible encounter.

Measure Reporting via Registry:
CPT codes and patient demographics are used to identify patients who are included in the measure's denominator. The listed numerator options are used to report the numerator of the measure.

The quality-data codes listed do not need to be submitted for registry-based submissions; however, these codes may be submitted for those registries that utilize claims data.

DENOMINATOR:
All surgical patients aged 18 years and older undergoing procedures with the indications for prophylactic parenteral antibiotics

Denominator Instructions: CPT Category I procedure codes billed by surgeons performing surgery on the same patient, submitted with modifier 62 (indicating two surgeons, ie, dual procedures) will be included in the denominator population. Both surgeons participating in the PQRS will be fully accountable for the clinical action described in the measure.

Denominator Criteria (Eligible Cases):
Patients aged ≥ 18 years on date of encounter
AND
Patient encounter during the reporting period (CPT): Listed below are surgical procedures for which prophylactic parenteral antibiotics are indicated

SURGICAL PROCEDURE	CPT CODE
Integumentary	15732, 15734, 15736, 15738, 15830, 15832, 15833,

CPT only copyright 2013 American Medical Association. All rights reserved.

SURGICAL PROCEDURE	CPT CODE
	15834, 15835, 15836, 15837, 19260, 19271, 19272, 19300, 19301, 19302, 19303, 19304, 19305, 19306, 19307, 19316, 19318, 19324, 19325, 19328, 19330, 19340, 19342, 19350, 19355, 19357, 19361, 19364, 19366, 19367, 19368, 19369, 19370, 19371, 19380
Le Fort Fractures	21346, 21347, 21348, 21422, 21423, 21432, 21433, 21435, 21436
Mandibular Fracture	21454, 21461, 21462, 21465, 21470
Spine	22325, 22586, 22612, 22630, 22800, 22802, 22804, 63030, 63042
Hip Reconstruction	27125, 27130, 27132, 27134, 27137, 27138
Trauma (Fractures)	27235, 27236, 27244, 27245, 27269, 27758, 27759, 27766, 27769, 27792, 27814
Knee Reconstruction	27440, 27441, 27442, 27443, 27445, 27446, 27447
Laryngectomy	31360, 31365, 31367, 31368, 31370, 31375, 31380, 31382, 31390, 31395, 31400, 31420
Vascular	27880, 27881, 27882, 27884, 27886, 27888, 33877, 33880, 33881, 33883, 33886, 33889, 33891, 34800, 34802, 34803, 34804, 34805, 34812, 34820, 34825, 34830, 34831, 34832, 34833, 34834, 34900, 35011, 35013, 35081, 35082, 35091, 35092, 35102, 35103, 35131, 35141, 35142, 35151, 35152, 35206, 35266, 35301, 35363, 35371, 35372, 35460, 35512, 35521, 35522, 35523, 35525, 35533, 35537, 35538, 35539, 35540, 35556, 35558, 35565, 35566, 35570, 35571, 35572, 35583, 35585, 35587, 35601, 35606, 35612, 35616, 35621, 35623, 35626, 35631, 35632, 35633, 35634, 35636, 35637, 35638, 35642, 35645, 35646, 35647, 35650, 35654, 35656, 35661, 35663, 35665, 35666, 35671, 36830, 37224, 37225, 37226, 37227, 37228, 37229, 37230, 37231, 37617
Spleen and Lymph Nodes	38100, 38101, 38115, 38120, 38571, 38572, 38700, 38720, 38724, 38740, 38745, 38747, 38760, 38765, 38770, 38780
Glossectomy	41130, 41135, 41140, 41145, 41150, 41153, 41155
Esophagus	43020, 43030, 43045, 43100, 43101, 43107, 43108, 43112, 43113, 43116, 43117, 43118, 43121, 43122, 43123, 43124, 43130, 43135, 43279, 43280, 43281, 43282, 43300, 43305, 43310, 43312, 43313, 43314, 43320, 43325, 43327, 43328, 43330, 43331, 43332, 43333, 43334, 43335, 43336, 43337, 43340, 43341, 43350, 43351, 43352, 43360, 43361, 43400, 43401, 43405, 43410, 43415, 43420, 43425, 43496
Stomach	43500, 43501, 43502, 43510, 43520, 43605, 43610, 43611, 43620, 43621, 43622, 43631, 43632, 43633, 43634, 43640, 43641, 43644, 43645, 43651, 43652, 43653, 43800, 43810, 43820, 43825, 43830, 43832, 43840, 43843, 43845, 43846, 43847, 43848, 43850, 43855, 43860, 43865, 43870, 43880

CPT only copyright 2013 American Medical Association. All rights reserved.

SURGICAL PROCEDURE	CPT CODE
Small Intestine	44005, 44010, 44020, 44021, 44050, 44055, 44100, 44120, 44125, 44126, 44127, 44130, 44132, 44133, 44135, 44136
Colon	44140, 44141, 44143, 44144, 44145, 44146, 44147, 44150, 44151, 44155, 44156, 44157, 44158, 44160, 44180, 44186, 44187, 44188, 44202, 44204, 44205, 44206, 44207, 44208, 44210, 44211, 44212, 44227, 44300, 44310, 44312, 44314, 44316, 44320, 44322, 44340, 44345, 44346, 44602, 44603, 44604, 44605, 44615, 44620, 44625, 44626, 44640, 44650, 44660, 44661, 44680, 44700
Rectum	45000, 45020, 45110, 45111, 45112, 45113, 45114, 45116, 45119, 45120, 45121, 45123, 45126, 45130, 45135, 45136, 45150, 45160, 45171, 45172, 45395, 45397, 45400, 45402, 45540, 45541, 45550, 45560, 45562, 45563, 45800, 45805, 45820, 45825
Liver	47100, 47120, 47122, 47125, 47130, 47135, 47136, 47140, 47141, 47142, 47350, 47360
Biliary	47400, 47420, 47425, 47460, 47480, 47560, 47561, 47562, 47563, 47564, 47570, 47600, 47605, 47610, 47612, 47620, 47630, 47700, 47701, 47711, 47712, 47715, 47720, 47721, 47740, 47741, 47760, 47765, 47780, 47785, 47800, 47801, 47802, 47900
Pancreas	48000, 48001, 48020, 48100, 48102, 48105, 48120, 48140, 48145, 48146, 48148, 48150, 48152, 48153, 48154, 48155, 48500, 48510, 48520, 48540, 48545, 48547, 48548, 48554, 48556
Abdomen, Peritoneum, & Omentum	27080, 27158, 27202, 27280, 27282, 49000, 49002, 49010, 49020, 49040, 49060, 49203, 49204, 49205, 49215, 49220, 49250, 49320, 49321, 49322, 49323, 49505, 49507, 49568
Renal Transplant	50320, 50340, 50360, 50365, 50370, 50380
Gynecologic Surgery	57267, 58150, 58152, 58180, 58200, 58210, 58240, 58260, 58262, 58263, 58267, 58270, 58275, 58280, 58285, 58290, 58291, 58292, 58293, 58294, 58951, 58953, 58954, 58956
Acoustic Neuroma	61520, 61526, 61530, 61591, 61595, 61596, 61598, 61606, 61616, 61618, 61619, 69720, 69955, 69960, 69970
Cochlear Implants	69930
Neurological Surgery	22524, 22551, 22554, 22558, 22600, 22612, 22630, 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
Cardiothoracic Surgery	33120, 33130, 33140, 33141, 33202, 33250, 33251, 33256, 33261, 33305, 33315, 33321, 33322, 33332, 33335, 33365, 33366, 33400, 33401, 33403, 33404, 33405, 33406, 33410, 33411, 33413, 33416, 33422,

CPT only copyright 2013 American Medical Association. All rights reserved.

SURGICAL PROCEDURE	CPT CODE
	33425, 33426, 33427, 33430, 33460, 33463, 33464, 33465, 33475, 33496, 33510, 33511, 33512, 33513, 33514, 33516, 33517, 33518, 33519, 33521, 33522, 33523, 33530, 33533, 33534, 33535, 33536, 33542, 33545, 33548, 33572, 35211, 35241, 35271
Cardiothoracic (Pacemaker)	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
Genitourinary Surgery	50020, 50234, 50236, 50548, 50727, 50728, 50760, 50770, 50780, 50782, 50783, 50785, 50800, 50810, 50815, 50820, 50947, 50948, 50951, 50953, 50955, 50957, 50961, 50970, 50972, 50974, 50976, 50980, 51550, 51555, 51565, 51570, 51575, 51580, 51585, 51590, 51595, 51596, 51597, 51800, 51820, 51900, 51920, 51925, 51960, 52007, 52204, 52214, 52224, 52234, 52235, 52240, 52250, 52260, 52265, 52281, 52300, 52301, 52310, 52315, 52325, 52327, 52330, 52332, 52341, 52342, 52343, 52344, 52345, 52346, 52352, 52354, 52400, 52402, 52450, 52601, 52630, 52640, 52647, 52648, 52649, 53445, 53850, 53852, 54400, 54401, 54405, 54406, 54408, 54410, 54411, 54415, 54416, 54417, 54700, 55705, 55801, 55810, 55812, 55815, 55821, 55831, 55840, 55842, 55845, 55866
General Thoracic Surgery	0236T, 21627, 21632, 21740, 21750, 21805, 21825, 31760, 31766, 31770, 31775, 31786, 31805, 32096, 32097, 32098, 32100, 32110, 32120, 32124, 32140, 32141, 32150, 32215, 32220, 32225, 32310, 32320, 32440, 32442, 32445, 32480, 32482, 32484, 32486, 32488, 32491, 32505, 32506, 32507, 32800, 32810, 32815, 32900, 32905, 32906, 32940, 33020, 33025, 33030, 33031, 33050, 33300, 33310, 33320, 33361, 33362, 33363, 33364, 34051, 35021, 35216, 35246, 35276, 35311, 35526, 37616, 38381, 38746, 39000, 39010, 39200, 39220, 39545, 39561, 64746
Foot & Ankle	27702, 27703, 27704, 28192, 28193, 28293, 28415, 28420, 28445, 28465, 28485, 28505, 28525, 28531, 28555, 28585, 28615, 28645, 28675, 28705, 28715, 28725, 28730, 28735, 28737
Mediastinum and Diaphragm	39501, 39540, 39541, 39545, 39560, 39561
Bariatric	43770, 43771, 43772, 43773, 43774, 43775, 43843, 43845, 43846, 43847, 43848, 43886, 43887, 43888
Meckel's Diverticulum and Appendix	44800, 44820, 44850, 44900, 44950, 44955, 44960, 44970
General Surgery	23470, 23472, 23473, 23474, 23616, 24363, 24370, 24371, 60200, 60210, 60212, 60220, 60225, 60240, 60252, 60254, 60260, 60270, 60271, 60280, 60281,

CPT only copyright 2013 American Medical Association. All rights reserved.

SURGICAL PROCEDURE	CPT CODE
	60500, 60502, 60505, 60520, 60521, 60522, 60540, 60545, 60600, 60605, 60650

NUMERATOR:
Surgical patients who have an order for prophylactic parenteral antibiotic to be given within one hour (if fluoroquinolone or vancomycin, two hours) prior to the surgical incision (or start of procedure when no incision is required)

Numerator Instructions: There must be documentation of order (written order, verbal order, or standing order/protocol) specifying that prophylactic parenteral antibiotic is to be given within one hour (if fluoroquinolone or vancomycin, two hours) prior to the surgical incision (or start of procedure when no incision is required) OR documentation that prophylactic parenteral antibiotic has been given within one hour (if fluoroquinolone or vancomycin, two hours) prior to the surgical incision (or start of procedure when no incision is required).

NUMERATOR NOTE: *In the event surgery is delayed, as long as the patient is redosed (if clinically appropriate) the numerator coding should be applied.*

Numerator Quality-Data Coding Options for Reporting Satisfactorily:
Table 1A: *The antimicrobial drugs listed below are considered prophylactic parenteral antibiotics for the purposes of this measure.* ***G8632*** *should be reported when antibiotics from this table were not ordered.*

• Ampicillin/sulbactam • Aztreonam • Cefazolin • Cefmetazole • Cefotetan • Cefoxitin	• Cefuroxime • Ciprofloxacin • Clindamycin • Ertapenem • Erythromycin base • Fluoroquinolone • Gatifloxacin	• Gentamicin • Levofloxacin • Metronidazole • Moxifloxacin • Neomycin • Vancomycin

Documentation of Order for Prophylactic Parenteral Antibiotic (written order, verbal order, or standing order/protocol)
G8629: Documentation of order for prophylactic parenteral antibiotics to be given within one hour (if fluoroquinolone or vancomycin, two hours) prior to surgical incision (or start of procedure when no incision is required)
OR
Documentation that Prophylactic Parenteral Antibiotic *has* been Given within One Hour Prior to the Surgical Incision (or start of procedure when no incision is required)
G8630: Documentation that administration of prophylactic parenteral antibiotics was initiated within one hour (if fluoroquinolone or vancomycin, two hours) prior to surgical incision (or start of procedure when no incision is required), as ordered

OR

Order for Prophylactic Parenteral Antibiotic not Given for Documented Reasons
G8631: Clinician documented that patient was not an eligible candidate for ordering prophylactic parenteral antibiotics to be given within one hour (if fluoroquinolone or vancomycin, two hours) prior to the surgical incision (or start of procedure when no incision is required)

OR

Order for Administration of Prophylactic Parenteral Antibiotic not Given, Reason not Given

CPT only copyright 2013 American Medical Association. All rights reserved.

G8632: Prophylactic parenteral antibiotics were **not** ordered to be given or given within one hour (if fluoroquinolone or vancomycin, two hours) prior to the surgical incision (or start of procedure when no incision is required), reason not given

RATIONALE:

The appropriate timing of administration of prophylactic parenteral antibiotics has been demonstrated to reduce the incidence of surgical wound infections. Specifying the time of administration in the order is critical as available evidence suggests that the drug should be received within one hour before incision for maximum antimicrobial effect.

CLINICAL RECOMMENDATION STATEMENTS:

Overall, administration of the first dose of antimicrobial beginning within 60 minutes before surgical incision is recommended. Administration of vancomycin and fluoroquinolones should begin within 120 minutes before surgical incision because of the prolonged infusion times required for these drugs. (ASHP, 2013)

Infusion of the first antimicrobial dose should begin within 60 minutes before incision. However, when a fluoroquinolone or vancomycin is indicated, the infusion should begin within 120 minutes before incision to prevent antibiotic-associated reactions. Although research has demonstrated that administration of the antimicrobial at the time of anesthesia induction is safe and results in adequate serum and tissue drug levels at the time of incision, there was no consensus that the infusion must be completed before incision. (SIPGWW, 2004)11

CPT only copyright 2013 American Medical Association. All rights reserved.