Measure #43 (NQF 0134): Coronary Artery Bypass Graft (CABG): Use of Internal Mammary Artery (IMA) in Patients with Isolated CABG Surgery – National Quality Strategy Domain: Effective Clinical Care

2015 PQRS OPTIONS FOR INDIVIDUAL MEASURES: REGISTRY ONLY

DESCRIPTION:
Percentage of patients aged 18 years and older undergoing isolated CABG surgery who received an IMA graft

INSTRUCTIONS:
This measure is to be reported each time an isolated CABG procedure is performed during the reporting period. It is anticipated that clinicians who provide services for isolated CABG will submit this measure.
This measure is intended to reflect the quality of the surgical services provided for isolated CABG patients. Isolated CABG refers to CABG using arterial and/or venous grafts only. Part B claims data will be analyzed to determine “isolated” CABG. This measure does not include patients undergoing repeat CABG surgery.

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 patients undergoing isolated CABG
Denominator Criteria (Eligible Cases): Patients aged \( \geq \) 18 years on date of encounter AND
- Patient encounter during the reporting period (CPT): 33510, 33511, 33512, 33513, 33514, 33516, 33517, 33518, 33519, 33521, 33522, 33523, 33533, 33534, 33535, 33536

NUMERATOR:
Patients undergoing isolated CABG who received an IMA graft
Numerator Options:
- Performance Met: Internal mammary artery graft performed for primary, isolated coronary artery bypass graft procedure (4110F)

OR
- Medical Performance Exclusion: Documentation of medical reason(s) for not performing an internal mammary artery graft for primary, isolated coronary artery bypass graft procedure.
  Acceptable medical reasons include: subclavian stenosis, previous cardiac or thoracic surgery, previous mediastinal radiation, emergent or salvage procedure, no bypassable left anterior descending artery disease (4110F with 1P)

OR
- Performance Not Met: Internal mammary artery graft not performed for primary, isolated coronary artery bypass graft procedure, reason not otherwise specified (4110F with 8P)

RATIONALE:
A major innovation has been the introduction of off-bypass CABG, which has reduced the post-procedure length of stay in some centers to between 2 and 3 days. In some centers, this has led to a total 3-month cost for single-vessel coronary bypass that is not significantly different from the total 3-month cost for angioplasty of single-vessel disease. Considering the favorable long-term patency of an internal mammary artery (IMA) graft to the LAD, the cost reductions possible with off-bypass CABG may improve the relative cost-effectiveness of coronary bypass compared with either medical therapy or percutaneous techniques, particularly for symptomatic, proximal LAD disease.

CLINICAL RECOMMENDATION STATEMENTS:
Class I
In every patient undergoing CABG, the left internal mammary artery (IMA) should be given primary consideration for revascularization of the left anterior descending (LAD) artery.

(Level of Evidence: B)