

2021 QCDR Measures

Following is an overview of the clinical quality measures in GIQuIC that can be reported to CMS for the Quality performance category of the Merit-Based Incentive Payment System (MIPS) via the GIQuIC Qualified Clinical Data Registry (QCDR) for the 2021 program year. Additional detail on GIQuIC's QCDR measures available for public reporting follows on the subsequent pages.

The GIQuIC 2021 QCDR has been approved to support individual eligible clinician, group, and virtual group reporting to the Quality, Improvement Activities, and Promoting Interoperability performance categories.

Measure #	Title	Outcome/ High-Priority
GIQIC22	Screening Colonoscopy Adenoma Detection Rate	Outcome
GIQIC23	Appropriate follow-up interval of not less than 5 years for colonoscopies with findings of 1-2 tubular adenomas < 10 mm OR of 10 years for colonoscopies with only hyperplastic polyp findings in rectum or sigmoid	High-Priority
NHCR4	Repeat screening or surveillance colonoscopy recommended within one year due to inadequate/poor bowel preparation	High-Priority
QPP320	Appropriate follow-up interval for normal colonoscopy in average risk patients	High-Priority
QPP425	Photodocumentation of Cecal Intubation	N/A
QPP439	Age Appropriate Screening Colonoscopy	High-Priority
GIQIC10	Appropriate management of anticoagulation in the peri-procedural period rate – EGD	High-Priority

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GIQIC22: Screening Colonoscopy Adenoma Detection Rate

Description: The percentage of patients aged 50 to 75 years with at least one conventional adenoma or colorectal cancer detected during screening colonoscopy.

Denominator: (Strata 1) Male patients aged 50 to 75 years undergoing a screening colonoscopy OR (Strata 2) Female patients aged 50 to 75 years undergoing a screening colonoscopy

Denominator Exceptions: (Strata 1) Documentation that neoplasm detected in a male patient is only diagnosed as traditional serrated adenoma, sessile serrated polyp, or sessile serrated adenoma OR (Strata 2) Documentation that neoplasm detected in a female patient is only diagnosed as traditional serrated adenoma, sessile serrated polyp, or sessile serrated adenoma

Denominator Exclusions: None

Numerator: (Strata 1) Number of male patients aged 50 to 75 years with at least one conventional adenoma or colorectal cancer detected during screening colonoscopy OR (Strata 2) Number of female patients aged 50 to 75 years with at least one conventional adenoma or colorectal cancer detected during screening colonoscopy

Rationale and Supported Evidence:

The United States Preventive Services Task Force has recommended screening colonoscopy for adults, beginning at age 50 and continuing until age 75 (Grade A recommendation). Screening exams are those performed to detect lesions in the absence of signs, symptoms, or personal history of colon neoplasia. The adenoma detection rate is an independent predictor of risk of developing colorectal cancer between screening colonoscopies. However, studies have documented wide variation in adenoma detection rates, illustrating the need for measuring and monitoring this metric for endoscopists. The adenoma detection rate varies between genders, with a lower rate demonstrated in women. Multi-specialty and stakeholder guidelines support the importance of measuring the adenoma detection rate in the prevention of colorectal cancer. Guidelines and the supporting literature support performance targets for adenoma detection rate of 25% for a mixed gender population (20% in women and 30% in men).

National Quality Strategy (NQS) domain: Effective Clinical Care

Measure type: Outcome

Meaningful Measure Area: Preventative Care

If the measure is risk adjusted: No

Number of performance rates required for measures: 3

High priority status: Yes, Intermediate Outcome

Traditional vs. inverse measure: Traditional

Proportional, continuous variable, outcome, and ratio measure indicator: Proportional

Care Setting: Outpatient Services

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GIQIC23: Appropriate follow-up interval based on pathology findings in screening colonoscopy

Description: Percentage of procedures among average-risk patients aged 50 to 75 years receiving a screening colonoscopy with biopsy or polypectomy and pathology findings who had a follow-up interval consistent with US Multi-Society Task Force (USMSTF) recommendations for repeat colonoscopy documented in their colonoscopy report.

Denominator: All complete and adequately prepped screening colonoscopies of average-risk patients aged 50 to 75 years with biopsy or polypectomy and pathology findings of

(Strata 1) only hyperplastic polyps

(Strata 2) findings of 1-2 tubular adenoma(s)

(Strata 3) findings of 3-4 tubular adenomas

(Strata 4) findings of 5-10 tubular adenomas

(Strata 5) Advanced Neoplasm (\geq 10 mm, high grade dysplasia, villous component)

(Strata 6) Sessile serrated polyp \geq 10 mm OR sessile serrated polyp with dysplasia OR traditional serrated adenoma

Denominator Exceptions:

(Strata 1) Patients aged 66 to 75 or polyps were removed via piecemeal

(Strata 2) Patients aged 66 to 75 or polyps were removed via piecemeal

(Strata 3) Patients aged 66 to 75 or polyps were removed via piecemeal

(Strata 4) Patients aged 66 to 75 or polyps were removed via piecemeal

(Strata 5) polyps were removed via piecemeal

(Strata 6) polyps were removed via piecemeal

Denominator Exclusions:

(Strata 1) \geq 21 hyperplastic polyps or the number of polyps removed does not equal the number of polyps retrieved or Use of endoscopic mucosal resection

(Strata 2) The number of polyps removed does not equal the number of polyps retrieved or Use of endoscopic mucosal resection

(Strata 3) The number of polyps removed does not equal the number of polyps retrieved or Use of endoscopic mucosal resection

(Strata 4) The number of polyps removed does not equal the number of polyps retrieved or Use of endoscopic mucosal resection

(Strata 5) Colonoscopy with findings of > 10 adenomas or findings of adenocarcinoma or Use of endoscopic mucosal resection

(Strata 6) Colonoscopy with findings of > 10 adenomas or findings of adenocarcinoma or Use of endoscopic mucosal resection

Numerator: Number of complete and adequately prepped screening colonoscopies of average-risk patients aged 50 to 75 years

(Strata 1) with biopsy or polypectomy and pathology findings of only hyperplastic polyps for which a recommended follow-up interval of 10 years for repeat colonoscopy was given to the patient

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(Strata 2) with biopsy or polypectomy and pathology findings of 1-2 tubular adenoma(s) for which a recommended follow-up interval of not less than 7 years and not greater than 10 years was given to the patient

(Strata 3) with biopsy or polypectomy and pathology findings of 3-4 tubular adenomas for which a recommended follow-up interval of not less than 3 years and not greater than 5 years was given to the patient

(Strata 4) with biopsy or polypectomy and pathology findings of 5-10 tubular adenomas for which a recommended follow-up interval of 3 years was given to the patient

(Strata 5) with biopsy or polypectomy and pathology findings of Advanced Neoplasm (≥ 10 mm, high grade dysplasia, villous component) for which a recommended follow-up interval of 3 years for repeat colonoscopy was given to the patient

(Strata 6) with biopsy or polypectomy and pathology findings of Sessile serrated polyp ≥ 10 mm OR sessile serrated polyp with dysplasia OR traditional serrated adenoma who had a recommended follow-up interval of 3 years for repeat colonoscopy was given to the patient

Rationale and Supported Evidence:

After high-quality screening colonoscopy, patients with polyps are risk-stratified based on the histology, number, location, and size of polyps detected. Studies support villous histology as a potential risk factor for advanced neoplasia and there is extended evidence to support high-grade dysplasia as a risk factor for metachronous advanced neoplasia and CRC; therefore, a shorter interval for follow-up colonoscopy is recommended for patients with these findings. Evidence to support best practices for surveillance colonoscopy has strengthened and has helped to support close follow-up for some groups, as well as less intense follow-up for others.

National Quality Strategy (NQS) domain: Communication and Care Coordination

Measure type: Process

Meaningful Measure Area: Appropriate use of Healthcare

If the measure is risk adjusted: No

Number of performance rates required for measures: 7

High priority status: Yes, Care Coordination

Traditional vs. inverse measure: Traditional

Proportional, continuous variable, outcome, and ratio measure indicator: Proportional

Care Setting: Outpatient Services

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NHCR4: Repeat screening or surveillance colonoscopy recommended within one year due to inadequate/poor bowel preparation

Description: Percentage of patients recommended for repeat screening or surveillance colonoscopy within one year or less due to inadequate/poor bowel preparation quality

Denominator: # of screening and surveillance colonoscopies with bowel preparation documented as inadequate/poor

Denominator Exceptions: None

Denominator Exclusions: None

Numerator: # of screening and surveillance colonoscopies with bowel preparation documented as inadequate/poor and whose recommended follow-up was ≤ 1 year

Rationale and Supported Evidence:

Colonoscopies with poor bowel preparation are considered incomplete due to inadequate mucosal visualization, and shorter follow-up intervals are recommended to ensure effective care.

National Quality Strategy (NQS) domain: Communication and Care Coordination

Measure type: Process

Meaningful Measure Area: Appropriate use of Healthcare

If the measure is risk adjusted: No

Number of performance rates required for measures: 1

High priority status: Yes, Care Coordination

Traditional vs. inverse measure: Traditional

Proportional, continuous variable, outcome, and ratio measure indicator: Proportional

Care Setting: Ambulatory Care: Hospital; Outpatient Services

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GIQuIC10: Appropriate management of anticoagulation in the peri-procedural period rate – EGD

Description: Percentage of patients undergoing an EGD on an anti-platelet agent or an anticoagulant who leave the endoscopy unit with instructions for management of this medication

Denominator: All patients undergoing an EGD on an anti-platelet agent or an anticoagulant

Denominator Exceptions: None

Denominator Exclusions: None

Numerator: Number of patients on an anti-platelet agent or an anticoagulant who leave the endoscopy unit with instructions for management of this medication

Rationale and Supported Evidence:

Given bleeding is an adverse event associated with EGD, adherence to this quality measure is supported by GIQuIC for this population of patients.

National Quality Strategy (NQS) domain: Communication and Care Coordination

Measure type: Process

Meaningful Measure Area: Medication Management

If the measure is risk adjusted: No

Number of performance rates required for measures: 1

High priority status: Yes, Care Coordination

Traditional vs. inverse measure: Traditional

Proportional, continuous variable, outcome, and ratio measure indicator: Proportional

Care Setting: Outpatient Services