

eMeasure Title	Cervical Cancer Screening		
eMeasure Identifier (Measure Authoring Tool)	124	eMeasure Version number	5.0.000
NQF Number	0032	GUID	42e7e489-790f-427a-a1a6-d6e807f65a6d
Measurement Period	January 1, 20XX through December 31, 20XX		
Measure Steward	National Committee for Quality Assurance		
Measure Developer	National Committee for Quality Assurance		
Endorsed By	National Quality Forum		
Description	<p>Percentage of women 21-64 years of age who were screened for cervical cancer using either of the following criteria:</p> <ul style="list-style-type: none"> * Women age 21-64 who had cervical cytology performed every 3 years * Women age 30-64 who had cervical cytology/human papillomavirus (HPV) co-testing performed every 5 years 		
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Measure Scoring	Proportion		
Measure Type	Process		
Stratification	None		
Risk Adjustment	None		
Rate Aggregation	None		
Rationale	<p>All women are at risk for cervical cancer, but it occurs most often in women over the age of 30. In 2015, approximately 12,900 women were diagnosed with cervical cancer in the U.S., resulting in an estimated 4,100 deaths (National Cancer Institute 2015). If pre-cancerous lesions are detected early by Pap tests and treated, the likelihood of survival is nearly 100 percent (American Cancer Society 2015). In 2013, women with no health insurance and recent immigrants were least likely to have a Pap test (American Cancer Society 2015).</p>		
Clinical Recommendation Statement	<p>U.S. Preventive Services Task Force (USPSTF) (2012)</p> <p>"The USPSTF recommends screening for cervical cancer in women aged 21 to 65 years with cytology (Papanicolaou smear) every 3 years or, for women aged 30 to 65 years who want to lengthen the screening interval, screening with a combination of cytology and HPV testing every 5 years." (A recommendation)</p> <p>"The USPSTF recommends against screening for cervical cancer in women younger than age 21 years." (D recommendation)</p> <p>"The USPSTF recommends against screening for cervical cancer in women older than age 65 years who have had adequate prior screening and are not otherwise at high risk for cervical cancer." (D recommendation)</p> <p>"The USPSTF recommends against screening for cervical cancer in women who have had a hysterectomy with removal of the cervix and who do not have a history of a high-grade precancerous lesion (cervical intraepithelial neoplasia grade 2 or 3) or cervical cancer." (D recommendation).</p>		

	"The USPSTF recommends against screening for cervical cancer with HPV testing, alone or in combination with cytology, in women younger than age 30 years." (D recommendation)
Improvement Notation	Higher score equals better quality
Reference	American Cancer Society. 2015. "Cancer Prevention & Early Detection Facts & Figures 2015-2016." Atlanta: American Cancer Society.
Reference	National Cancer Institute. 2015. "SEER Stat Fact Sheets: Cervix Uteri Cancer." Bethesda, MD. http://seer.cancer.gov/statfacts/html/cervix.html
Reference	U.S. Preventive Services Task Force. 2012. "Screening for Cervical Cancer: U.S. Preventive Services Task Force Recommendation Statement." Ann Intern Med. 156(12):880-91.
Definition	None
Guidance	To ensure the measure is only looking for a cervical cytology test only after a woman turns 21 years of age, the youngest age in the initial population is 23
Transmission Format	TBD
Initial Population	Women 23-64 years of age with a visit during the measurement period
Denominator	Equals Initial Population
Denominator Exclusions	Women who had a hysterectomy with no residual cervix
Numerator	Women with one or more screenings for cervical cancer. Appropriate screenings are defined by any one of the following criteria: - Cervical cytology performed during the measurement period or the two years prior to the measurement period for women who are at least 21 years old at the time of the test - Cervical cytology/human papillomavirus (HPV) co-testing performed during the measurement period or the four years prior to the measurement period for women who are at least 30 years old at the time of the test
Numerator Exclusions	Not Applicable
Denominator Exceptions	None
Supplemental Data Elements	For every patient evaluated by this measure also identify payer, race, ethnicity and sex

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Population Criteria

- **Initial Population =**
 - AND: Age >= 23 year(s) at: "Measurement Period"
 - AND: Age < 64 year(s) at: "Measurement Period"
 - AND: "Patient Characteristic Sex: Female"
 - AND: Union of:
 - "Encounter, Performed: Office Visit"
 - "Encounter, Performed: Face-to-Face Interaction"
 - "Encounter, Performed: Preventive Care Services - Established Office Visit, 18 and Up"
 - "Encounter, Performed: Preventive Care Services-Initial Office Visit, 18 and Up"
 - "Encounter, Performed: Home Healthcare Services"
 - during "Measurement Period"
- **Denominator =**
 - AND: Initial Population
- **Denominator Exclusions =**
 - OR: "Procedure, Performed: Hysterectomy with No Residual Cervix" ends before end of "Measurement Period"
- **Numerator =**
 - AND:
 - OR: "Laboratory Test, Performed: Pap Test (result)" < 3 year(s) ends before end of "Measurement Period"

OR:

- AND: Age >= 30 year(s) at: "Occurrence A of Laboratory Test, Performed: Pap Test"
- AND: "Occurrence A of Laboratory Test, Performed: Pap Test" satisfies all:
 - (result) < 5 year(s) ends before end of "Measurement Period"
 - satisfies any:
 - <= 1 day(s) starts after or concurrent with start of "Laboratory Test, Performed: HPV Test (result)"
 - <= 1 day(s) starts before start of "Laboratory Test, Performed: HPV Test (result)"

- **Numerator Exclusions =**

- None

- **Denominator Exceptions =**

- None

- **Stratification =**

- None

Data Criteria (QDM Variables)

- None

Data Criteria (QDM Data Elements)

- "Encounter, Performed: Face-to-Face Interaction" using "Face-to-Face Interaction Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1048)"
- "Encounter, Performed: Home Healthcare Services" using "Home Healthcare Services Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1016)"
- "Encounter, Performed: Office Visit" using "Office Visit Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1001)"
- "Encounter, Performed: Preventive Care Services - Established Office Visit, 18 and Up" using "Preventive Care Services - Established Office Visit, 18 and Up Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1025)"
- "Encounter, Performed: Preventive Care Services-Initial Office Visit, 18 and Up" using "Preventive Care Services-Initial Office Visit, 18 and Up Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1023)"
- "Laboratory Test, Performed: HPV Test" using "HPV Test Grouping Value Set (2.16.840.1.113883.3.464.1003.110.12.1059)"
- "Laboratory Test, Performed: Pap Test" using "Pap Test Grouping Value Set (2.16.840.1.113883.3.464.1003.108.12.1017)"
- "Patient Characteristic Sex: Female" using "Female AdministrativeGender Value Set (2.16.840.1.113883.3.560.100.2)"
- "Procedure, Performed: Hysterectomy with No Residual Cervix" using "Hysterectomy with No Residual Cervix Grouping Value Set (2.16.840.1.113883.3.464.1003.198.12.1014)"

Supplemental Data Elements

- "Patient Characteristic Ethnicity: Ethnicity" using "Ethnicity CDCREC Value Set (2.16.840.1.114222.4.11.837)"
- "Patient Characteristic Payer: Payer" using "Payer SOP Value Set (2.16.840.1.114222.4.11.3591)"
- "Patient Characteristic Race: Race" using "Race CDCREC Value Set (2.16.840.1.114222.4.11.836)"
- "Patient Characteristic Sex: ONC Administrative Sex" using "ONC Administrative Sex AdministrativeGender Value Set (2.16.840.1.113762.1.4.1)"

Risk Adjustment Variables

- None

Measure Set	None
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