

eMeasure Title	Chlamydia Screening for Women		
eMeasure Identifier (Measure Authoring Tool)	153	eMeasure Version number	5.0.000
NQF Number	0033	GUID	c9930664-be3d-4ffe-ae4a-5cf4933ecb89
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	Percentage of women 16-24 years of age who were identified as sexually active and who had at least one test for chlamydia during the measurement period		
Copyright	<p>Physician Performance Measure (Measures) and related data specifications were developed by the National Committee for Quality Assurance (NCQA).</p> <p>The Measures are copyrighted but can be reproduced and distributed, without modification, for noncommercial purposes (eg, use by healthcare providers in connection with their practices). Commercial use is defined as the sale, licensing, or distribution of the Measures for commercial gain, or incorporation of the Measures into a product or service that is sold, licensed or distributed for commercial gain. Commercial use of the Measures requires a license agreement between the user and NCQA. NCQA is not responsible for any use of the Measures.</p> <p>(c) 2008-2016 National Committee for Quality Assurance. All Rights Reserved.</p> <p>Limited proprietary coding is contained in the Measure specifications for user convenience. Users of proprietary code sets should obtain all necessary licenses from the owners of the code sets. NCQA disclaims all liability for use or accuracy of any CPT or other codes contained in the specifications.</p> <p>CPT(R) contained in the Measure specifications is copyright 2004-2015 American Medical Association. LOINC(R) copyright 2004-2015 Regenstrief Institute, Inc. This material contains SNOMED Clinical Terms(R) (SNOMED CT[R]) copyright 2004-2015 International Health Terminology Standards Development Organisation. ICD-10 copyright 2015 World Health Organization. All Rights Reserved.</p>		
Disclaimer	<p>These performance Measures are not clinical guidelines and do not establish a standard of medical care, and have not been tested for all potential applications.</p> <p>THE MEASURES AND SPECIFICATIONS ARE PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND.</p> <p>Due to technical limitations, registered trademarks are indicated by (R) or [R] and unregistered trademarks are indicated by (TM) or [TM].</p>		
Measure Scoring	Proportion		
Measure Type	Process		
Stratification	Report a total score, and each of the following strata: Stratum 1: Patients age 16-20 Stratum 2: Patients age 21-24		
Risk Adjustment	None		
Rate Aggregation	None		
Rationale	<p>Chlamydia trachomatis is the most common sexually transmitted bacterial infection in the U.S., resulting in over 1.4 million cases each year (USPSTF 2014, CDC 2014). Chlamydia infections are often asymptomatic, but, if left untreated, can lead to serious and irreversible complications (USPSTF 2014, CDC 2014).</p> <p>Women are particularly vulnerable when infected with chlamydia. Left untreated, chlamydia can cause pelvic inflammatory disease (PID), which can lead to chronic pelvic pain or infertility. Pregnant women may also transmit the infection to their infant, potentially resulting in neonatal pneumonia (CDC 2014).</p>		
Clinical Recommendation Statement	U.S. Preventive Services Task Force (USPSTF) (2014): The USPSTF recommends screening for chlamydia in sexually active females aged 24 years or younger and in older women who are at increased risk for infection. (B recommendation)		
Improvement Notation	Higher score indicates better quality		
Reference	Centers for Disease Control and Prevention (CDC). 2014. "Sexually Transmitted Disease Surveillance 2013." Atlanta, GA.		
Reference	U.S. Preventive Services Task Force (USPSTF). 2014. "Screening for Chlamydia and Gonorrhea: U.S. Preventive Services Task Force Recommendation Statement." Ann Intern Med 161:902-910.		

Definition	None
Guidance	<p>Codes to identify sexually active women include codes for: pregnancy, sexually transmitted infections, contraceptives or contraceptive devices, and infertility treatments.</p> <p>The denominator exclusion does not apply to patients who qualify for the initial population (IP) based on services other than the pregnancy test alone. These other services include services for sexually transmitted infections, contraceptives or contraceptive devices and infertility treatments. For example, a patient who has both a pregnancy test and a chlamydia diagnosis, either of which would qualify them for the IP, would not be eligible for this denominator exclusion.</p>
Transmission Format	TBD
Initial Population	Women 16 to 24 years of age who are sexually active and who had a visit in the measurement period
Denominator	Equals Initial Population
Denominator Exclusions	Women who are only eligible for the initial population due to a pregnancy test and who had an x-ray or an order for a specified medication within 7 days of the pregnancy test
Numerator	Women with at least one chlamydia test during the measurement period
Numerator Exclusions	Not Applicable
Denominator Exceptions	None
Supplemental Data Elements	For every patient evaluated by this measure also identify payer, race, ethnicity and sex

Table of Contents

- [Population Criteria](#)
- [Data Criteria \(ODM Variables\)](#)
- [Data Criteria \(ODM Data Elements\)](#)
- [Supplemental Data Elements](#)
- [Risk Adjustment Variables](#)

Population Criteria

- **Initial Population =**
 - AND: Age >= 16 year(s) at: "Measurement Period"
 - AND: Age < 24 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: Preventive Care - Established Office Visit, 0 to 17"
 - "Encounter, Performed: Preventive Care- Initial Office Visit, 0 to 17"
 - "Encounter, Performed: Home Healthcare Services"
 - during "Measurement Period"
 - AND:
 - OR: Union of:
 - "Diagnosis: Other Female Reproductive Conditions"
 - "Diagnosis: Genital Herpes"
 - "Diagnosis: Gonococcal Infections and Venereal Diseases"
 - "Medication, Active: Contraceptive Medications"
 - "Diagnosis: Inflammatory Diseases of Female Reproductive Organs"
 - "Diagnosis: Chlamydia"
 - "Diagnosis: HIV"
 - "Diagnosis: Syphilis"
 - "Diagnosis: Complications of Pregnancy, Childbirth and the Puerperium"
 - overlaps "Measurement Period"
 - OR: Union of:
 - "Laboratory Test, Order: Pregnancy Test"
 - "Laboratory Test, Order: Pap Test"
 - "Procedure, Performed: Delivery Live Births"
 - "Laboratory Test, Order: Lab Tests During Pregnancy"
 - "Laboratory Test, Order: Lab Tests for Sexually Transmitted Infections"
 - "Medication, Order: Contraceptive Medications"
 - "Diagnostic Study, Order: Diagnostic Studies During Pregnancy"
 - "Procedure, Performed: Procedures During Pregnancy"
 - "Procedure, Performed: Procedures Involving Contraceptive Devices"

- during "Measurement Period"
- **Denominator =**
 - AND: Initial Population
- **Denominator Exclusions =**
 - OR:
 - AND: Union of:
 - "Medication, Order: Isotretinoin"
 - "Diagnostic Study, Order: X-Ray Study (all inclusive)"
 - <= 7 day(s) starts after end of ("Laboratory Test, Order: Pregnancy Test" during "Measurement Period")
 - AND NOT: Union of:
 - Union of:
 - "Diagnosis: Other Female Reproductive Conditions"
 - "Diagnosis: Genital Herpes"
 - "Diagnosis: Gonococcal Infections and Venereal Diseases"
 - "Medication, Active: Contraceptive Medications"
 - "Diagnosis: Inflammatory Diseases of Female Reproductive Organs"
 - "Diagnosis: Chlamydia"
 - "Diagnosis: HIV"
 - "Diagnosis: Syphilis"
 - "Diagnosis: Complications of Pregnancy, Childbirth and the Puerperium"
 - overlaps "Measurement Period"
 - Union of:
 - "Laboratory Test, Order: Pap Test"
 - "Procedure, Performed: Delivery Live Births"
 - "Laboratory Test, Order: Lab Tests During Pregnancy"
 - "Laboratory Test, Order: Lab Tests for Sexually Transmitted Infections"
 - "Medication, Order: Contraceptive Medications"
 - "Diagnostic Study, Order: Diagnostic Studies During Pregnancy"
 - "Procedure, Performed: Procedures During Pregnancy"
 - "Procedure, Performed: Procedures Involving Contraceptive Devices"
 - during "Measurement Period"
- **Numerator =**
 - AND: "Laboratory Test, Performed: Chlamydia Screening (result)" during "Measurement Period"
- **Numerator Exclusions =**
 - None
- **Denominator Exceptions =**
 - None
- **Stratifications =**
 - **Stratification 1 =**
 - AND: Age >= 16 year(s) at: "Measurement Period"
 - AND: Age < 20 year(s) at: "Measurement Period"
 - **Stratification 2 =**
 - AND: Age >= 20 year(s) at: "Measurement Period"
 - AND: Age < 24 year(s) at: "Measurement Period"

Data Criteria (QDM Variables)

- None

Data Criteria (QDM Data Elements)

- "Diagnosis: Chlamydia" using "Chlamydia Grouping Value Set (2.16.840.1.113883.3.464.1003.112.12.1003)"
- "Diagnosis: Complications of Pregnancy, Childbirth and the Puerperium" using "Complications of Pregnancy, Childbirth and the Puerperium Grouping Value Set (2.16.840.1.113883.3.464.1003.111.12.1012)"
- "Diagnosis: Genital Herpes" using "Genital Herpes Grouping Value Set (2.16.840.1.113883.3.464.1003.110.12.1049)"
- "Diagnosis: Gonococcal Infections and Venereal Diseases" using "Gonococcal Infections and Venereal Diseases Grouping Value Set (2.16.840.1.113883.3.464.1003.112.12.1001)"
- "Diagnosis: HIV" using "HIV Grouping Value Set (2.16.840.1.113883.3.464.1003.120.12.1003)"
- "Diagnosis: Inflammatory Diseases of Female Reproductive Organs" using "Inflammatory Diseases of Female Reproductive Organs Grouping Value Set (2.16.840.1.113883.3.464.1003.112.12.1004)"
- "Diagnosis: Other Female Reproductive Conditions" using "Other Female Reproductive Conditions Grouping Value Set (2.16.840.1.113883.3.464.1003.111.12.1006)"
- "Diagnosis: Syphilis" using "Syphilis Grouping Value Set (2.16.840.1.113883.3.464.1003.112.12.1002)"
- "Diagnostic Study, Order: Diagnostic Studies During Pregnancy" using "Diagnostic Studies During Pregnancy Grouping Value Set (2.16.840.1.113883.3.464.1003.111.12.1008)"
- "Diagnostic Study, Order: X-Ray Study (all inclusive)" using "X-Ray Study (all inclusive) Grouping Value Set (2.16.840.1.113883.3.464.1003.198.12.1034)"
- "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 (2.16.840.1.113883.3.464.1003.101.12.1016)"

- (2.16.840.1.113883.3.464.1003.101.12.1001)"
- "Encounter, Performed: Preventive Care - Established Office Visit, 0 to 17" using "Preventive Care - Established Office Visit, 0 to 17 Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1024)"
- "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)"
- "Encounter, Performed: Preventive Care- Initial Office Visit, 0 to 17" using "Preventive Care- Initial Office Visit, 0 to 17 Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1022)"
- "Laboratory Test, Order: Lab Tests During Pregnancy" using "Lab Tests During Pregnancy Grouping Value Set (2.16.840.1.113883.3.464.1003.111.12.1007)"
- "Laboratory Test, Order: Lab Tests for Sexually Transmitted Infections" using "Lab Tests for Sexually Transmitted Infections Grouping Value Set (2.16.840.1.113883.3.464.1003.110.12.1051)"
- "Laboratory Test, Order: Pap Test" using "Pap Test Grouping Value Set (2.16.840.1.113883.3.464.1003.108.12.1017)"
- "Laboratory Test, Order: Pregnancy Test" using "Pregnancy Test Grouping Value Set (2.16.840.1.113883.3.464.1003.111.12.1011)"
- "Laboratory Test, Performed: Chlamydia Screening" using "Chlamydia Screening Grouping Value Set (2.16.840.1.113883.3.464.1003.110.12.1052)"
- "Medication, Active: Contraceptive Medications" using "Contraceptive Medications Grouping Value Set (2.16.840.1.113883.3.464.1003.196.12.1080)"
- "Medication, Order: Contraceptive Medications" using "Contraceptive Medications Grouping Value Set (2.16.840.1.113883.3.464.1003.196.12.1080)"
- "Medication, Order: Isotretinoin" using "Isotretinoin Grouping Value Set (2.16.840.1.113883.3.464.1003.196.12.1143)"
- "Patient Characteristic Sex: Female" using "Female AdministrativeGender Value Set (2.16.840.1.113883.3.560.100.2)"
- "Procedure, Performed: Delivery Live Births" using "Delivery Live Births Grouping Value Set (2.16.840.1.113883.3.464.1003.111.12.1015)"
- "Procedure, Performed: Procedures During Pregnancy" using "Procedures During Pregnancy Grouping Value Set (2.16.840.1.113883.3.464.1003.111.12.1009)"
- "Procedure, Performed: Procedures Involving Contraceptive Devices" using "Procedures Involving Contraceptive Devices Grouping Value Set (2.16.840.1.113883.3.464.1003.111.12.1010)"

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
-------------	------