## Chlamydia Screening for Women

<table>
<thead>
<tr>
<th>eMeasure Title</th>
<th>Chlamydia Screening for Women</th>
</tr>
</thead>
<tbody>
<tr>
<td>eMeasure Identifier (Measure Authoring Tool)</td>
<td>153</td>
</tr>
<tr>
<td>eMeasure Version number</td>
<td>5.0.000</td>
</tr>
<tr>
<td>NQF Number</td>
<td>0033</td>
</tr>
<tr>
<td>GUID</td>
<td>c9930664-be3d-4ffe-ae4a-5cf4933ecb89</td>
</tr>
<tr>
<td>Measurement Period</td>
<td>January 1, 20XX through December 31, 20XX</td>
</tr>
<tr>
<td>Measure Steward</td>
<td>National Committee for Quality Assurance</td>
</tr>
<tr>
<td>Measure Developer</td>
<td>National Committee for Quality Assurance</td>
</tr>
<tr>
<td>Endorsed By</td>
<td>National Quality Forum</td>
</tr>
<tr>
<td>Description</td>
<td>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</td>
</tr>
<tr>
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</tr>
<tr>
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</tr>
<tr>
<td>Measure Scoring</td>
<td>Proportion</td>
</tr>
<tr>
<td>Measure Type</td>
<td>Process</td>
</tr>
<tr>
<td>Stratification</td>
<td>Report a total score, and each of the following strata: Stratum 1: Patients age 16-20 Stratum 2: Patients age 21-24</td>
</tr>
<tr>
<td>Risk Adjustment</td>
<td>None</td>
</tr>
<tr>
<td>Rate Aggregation</td>
<td>None</td>
</tr>
<tr>
<td>Rationale</td>
<td>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). 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).</td>
</tr>
<tr>
<td>Clinical Recommendation Statement</td>
<td>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)</td>
</tr>
<tr>
<td>Improvement Notation</td>
<td>Higher score indicates better quality</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Definition</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guidance</td>
<td>Codes to identify sexually active women include codes for: pregnancy, sexually transmitted infections, contraceptives or contraceptive devices, and infertility treatments. 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.</td>
</tr>
<tr>
<td>Transmission Format</td>
<td>TBD</td>
</tr>
<tr>
<td>Initial Population</td>
<td>Women 16 to 24 years of age who are sexually active and who had a visit in the measurement period</td>
</tr>
<tr>
<td>Denominator</td>
<td>Equals Initial Population</td>
</tr>
<tr>
<td>Denominator Exclusions</td>
<td>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</td>
</tr>
<tr>
<td>Numerator</td>
<td>Women with at least one chlamydia test during the measurement period</td>
</tr>
<tr>
<td>Numerator Exclusions</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Denominator Exceptions</td>
<td>None</td>
</tr>
<tr>
<td>Supplemental Data Elements</td>
<td>For every patient evaluated by this measure also identify payer, race, ethnicity and sex</td>
</tr>
</tbody>
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Table of Contents

- Population Criteria
- Data Criteria (QDM Variables)
- Data Criteria (QDM 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"
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- **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:
      - "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"
      - "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"

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**Data Criteria (QDM Variables)**

- None

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**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 (2.16.840.1.113883.3.464.1003.111.12.1003)"
- "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: Office Visit" using "Office Visit Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1020)"
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(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 Services-Initial Office Visit, 18 and Up and Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1022)"
- "Laboratory Test, Performed: Chlamydia Screening" using "Chlamydia Screening Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1052)"
- "Laboratory Test, Order: Pap Test" using "Pap Test Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1017)"
- "Laboratory Test, Order: Pregnancy Test" using "Pregnancy Test Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1011)"
- "Medication, Active: Contraceptive Medications" using "Contraceptive Medications Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1080)"
- "Medication, Order: Contraceptive Medications" using "Contraceptive Medications Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1080)"
- "Medication, Order: Isotretinoin" using "Isotretinoin Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1143)"
- "Patient Characteristic Ethnicity: Ethnicity" using "Ethnicity CDCREC Value Set (2.16.840.1.114222.4.1.11.837)"
- "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)"

Supplemental Data Elements

- "Patient Characteristic Ethnicity: Ethnicity" using "Ethnicity CDCREC Value Set (2.16.840.1.114222.4.1.11.837)"
- "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 |