

Antibiotic Stewardship

HEDIS[®] Antibiotic Measures

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Planning Committee Disclosures

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Objectives

- Define the importance of antibiotic use and stewardship.
- Describe HEDIS measures that assess antibiotic use, including how these measures have changed over time.
- Describe health plan performance from Measurement Years 2020 and 2021

Antibiotic Medications

Background and Importance



Antibiotics are prescribed at high rates

A major risk is antibiotic resistance

- Affects 2.8 million people per year
- Associated with 35,000 deaths per year



Antibiotics are often prescribed without indication

Commonly prescribed for acute respiratory conditions

- Common cold and influenza
- Pharyngitis
- Bronchitis, Bronchiolitis



Antibiotics require careful consideration

Interventions targeting inappropriate antibiotic use can be informed by

- Monitoring antibiotic utilization
- Leveraging data to identify areas for improvement

Antibiotic Stewardship

Outpatient settings

The effort to **measure** and **improve** how **antibiotics** are **prescribed** by clinicians and **used** by patients¹

Commitment

Demonstrate dedication to and accountability for optimizing antibiotic prescribing and patient safety

Action for Policy and Practice

Implement at least one policy or practice to improve antibiotic prescribing, assess whether it is working and modify as needed

Core Elements of Outpatient Antibiotic Stewardship²

Tracking and Reporting

Monitor antibiotic prescribing practices and offer regular feedback to clinicians, or have clinicians assess their own antibiotic prescribing practices themselves

Education and Expertise

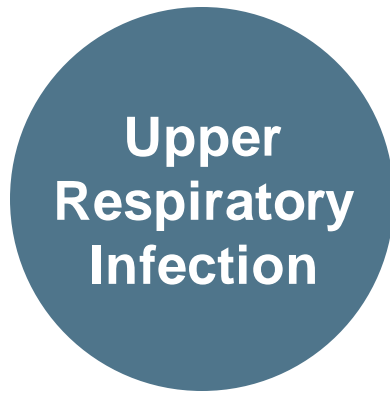
Provide educational resources to clinicians and patients on antibiotic prescribing and ensure access to needed expertise on optimizing antibiotic prescribing

¹Centers for Disease Control and Prevention. Core Elements of Antibiotic Stewardship. April 7, 2021. www.cdc.gov/antibiotic-use/core-elements/index.html

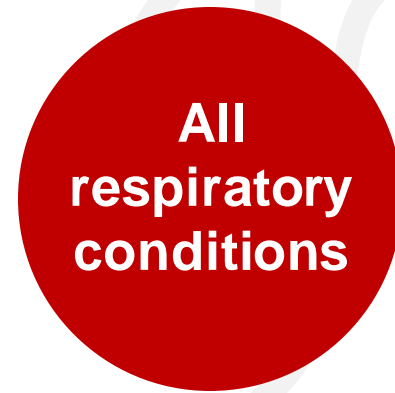
²Sanchez GV, Fleming-Dutra KE, Roberts RM, Hicks LA. Core Elements of Outpatient Antibiotic Stewardship. MMWR Recomm Rep 2016;65(No. RR-6):1–12

HEDIS Antibiotic Measures Set

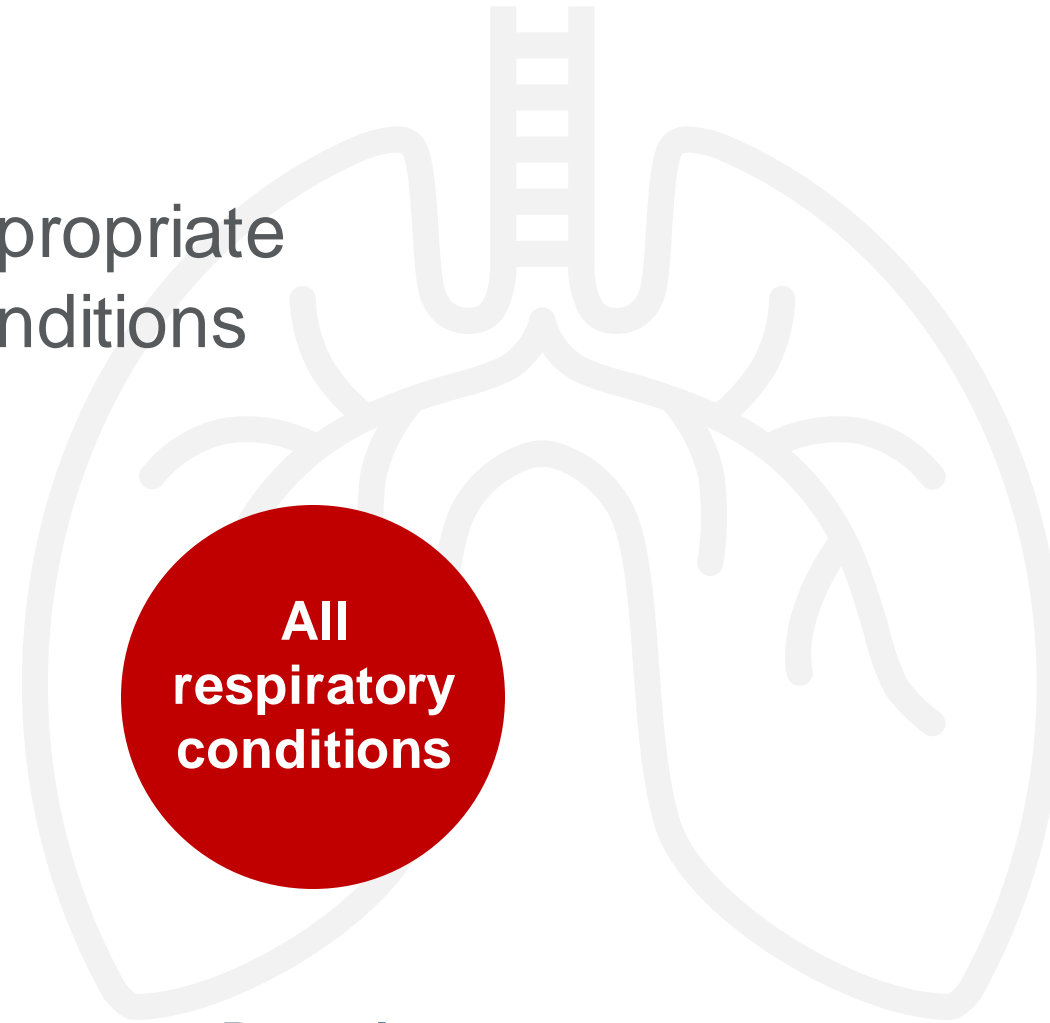
Three measures assess avoidance of inappropriate antibiotic prescribing for key respiratory conditions



Domain
Effectiveness of Care



Domain
Utilization



Avoidance of Antibiotic Treatment for Acute Bronchitis/Bronchiolitis

Measure Description

Episodes for members ages 3 months and older with a diagnosis of **acute bronchitis/bronchiolitis** that did **not** result in an antibiotic dispensed

Product Lines

Medicaid, Commercial, Medicare

Data Source

Administrative claims

Required Benefit

Medical and Pharmacy

Domain

Effectiveness of Care

Appropriate Treatment for Upper Respiratory Infection

Measure Description

Episodes for members ages 3 months and older with a diagnosis of **upper respiratory infection** that did **not** result in an antibiotic dispensed

Product Lines

Medicaid, Commercial, Medicare

Data Source

Administrative claims

Required Benefit

Medical and Pharmacy

Domain

Effectiveness of Care

Appropriate Testing for Pharyngitis

Measure Description

Episodes for members ages 3 years and older Where the member was diagnosed with **pharyngitis**, dispensed an **antibiotic**, and received a group A **strep test**

Product Lines

Medicaid, Commercial, Medicare

Data Source

Administrative claims

Required Benefit

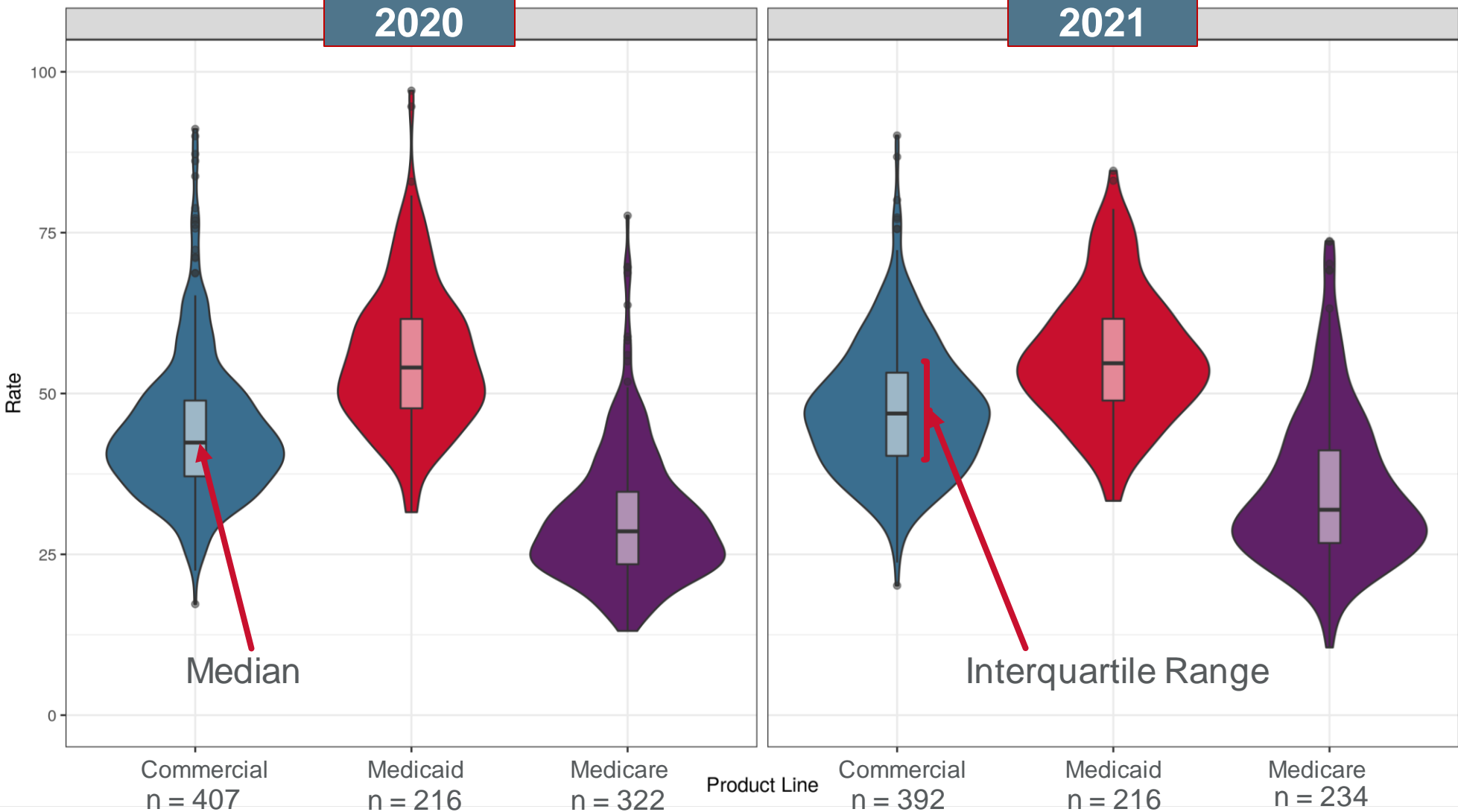
Medical and Pharmacy

Domain

Effectiveness of Care

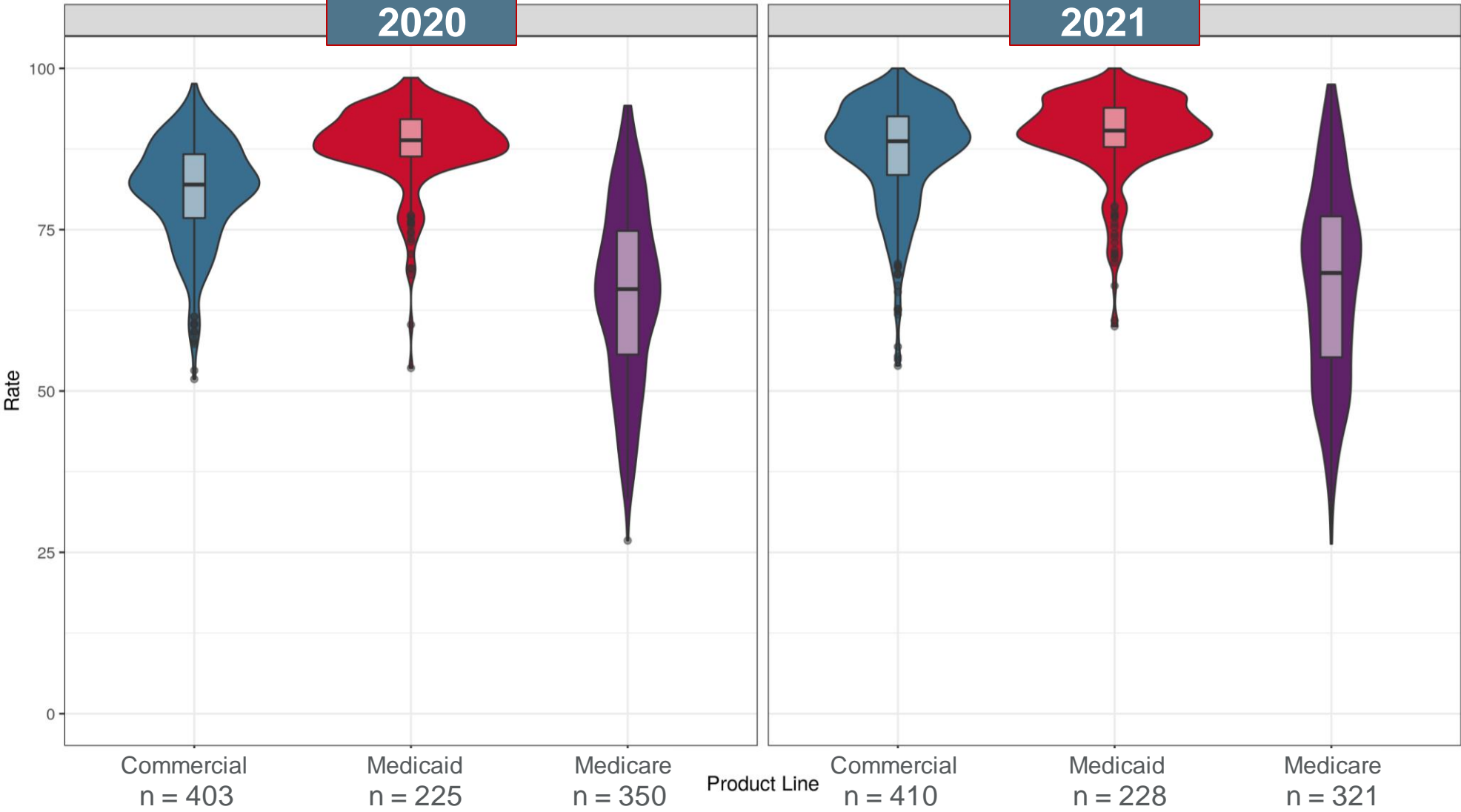
Avoidance of Antibiotic Treatment for Acute Bronchitis/Bronchiolitis

Measurement years 2020, 2021



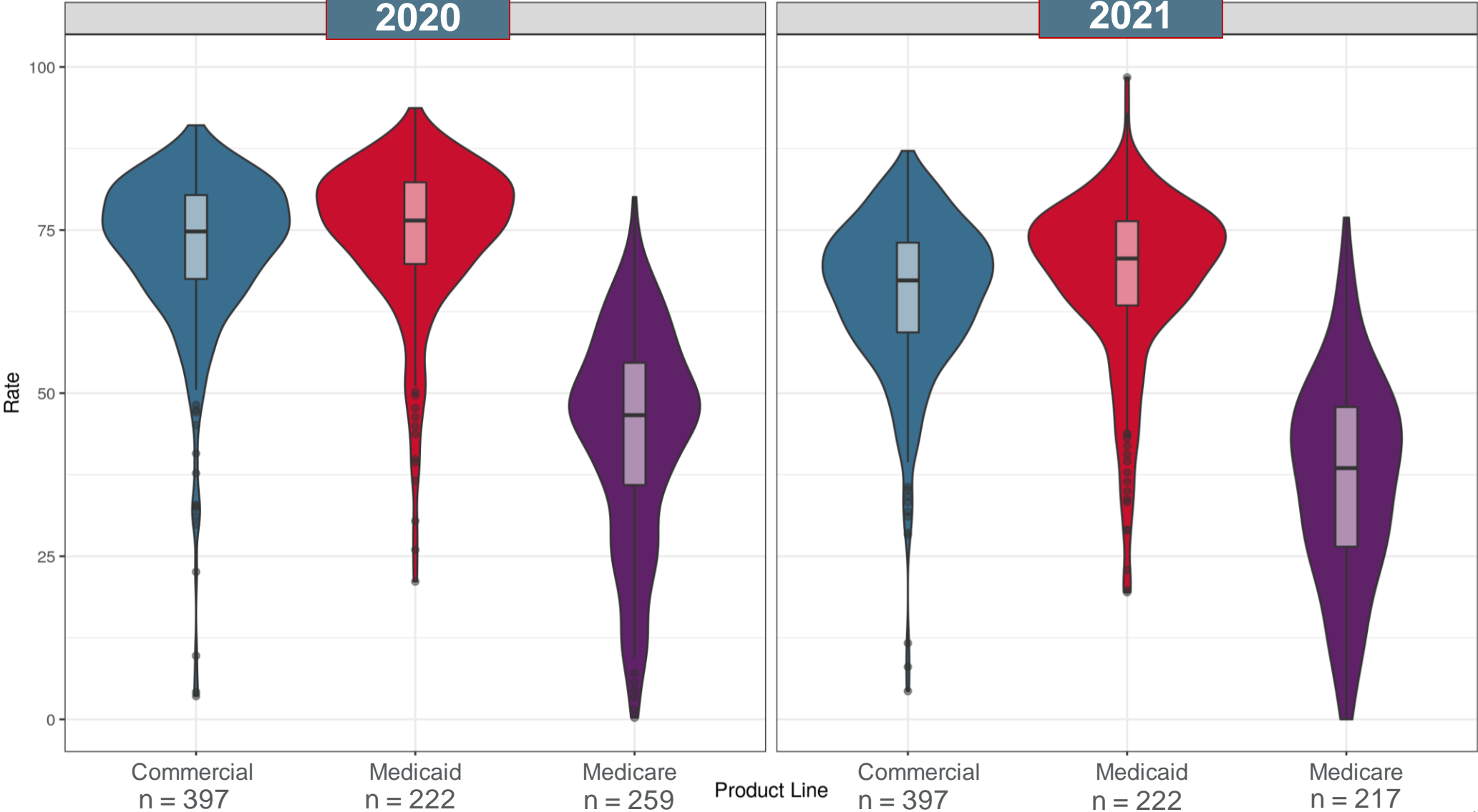
Appropriate Treatment for Upper Respiratory Infection

Measurement years 2020, 2021



Appropriate Testing for Pharyngitis

Measurement years 2020, 2021



KEY TAKEAWAYS

Final Summary

- Misuse of antibiotics can lead to poor health outcomes.
- Health plans can play an important role in antibiotic stewardship in outpatient settings.
- Antibiotic stewardship requires tracking and reporting.
- HEDIS measures assessing the avoidance of inappropriate prescribing practices show room for improvement.

NCQA Antibiotic Stewardship Webinar Series

Webinar Title	Speakers	Date & Time (Eastern)
Defining Antibiotic Stewardship and Reviewing Associated HEDIS Measures	Sepheen Byron, DrPH, MHS Nancy McGee, MS, MBA <i>National Committee for Quality Assurance</i>	8/16/2022 1:00 - 2:00 pm
What's New in the World of Antibiotic Stewardship? Part 1: Using Performance Measures in Practice to Drive Change	Sepheen Byron, DrPH, MHS <i>National Committee for Quality Assurance</i> Eddie Stenehjem, MD <i>Intermountain Healthcare</i>	8/23/2022 1:00 - 2:00 pm
What's New in the World of Antibiotic Stewardship? Part 2: Impacts of COVID and Use of Telehealth	Sharon Tsay, MD <i>Centers for Disease Control and Prevention</i> Moderator: Sepheen Byron, DrPH, MHS <i>National Committee for Quality Assurance</i>	8/25/2022 1:00 - 2:00 pm
Addressing the Social and Behavioral Drivers of Prescribing: Innovative Approaches to Antibiotic Stewardship	Julie Szymczak, PhD <i>University of Pennsylvania</i> Rita Mangione-Smith, MD <i>Kaiser Permanente Washington</i> Moderator: Nancy McGee, MS, MBA <i>National Committee for Quality Assurance</i>	9/1/2022 1:00 - 2:15 pm
Panel Discussion: How Health Plans Approach Antibiotic Stewardship and HEDIS Antibiotic Measures	Shawn Trivette, PhD Moderator: Nancy McGee, MS, MBA <i>National Committee for Quality Assurance</i> Health Plan Panelists	9/8/2022 1:00 - 2:30 pm



Q&A

Steps to claim continuing education credits

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- Select “Create Account” if you do not have an existing account, complete the requested information to complete the form and to gain access to the account. If you have an existing account, log in using those same credentials.
- Once you have logged on, click the course link to register: [Defining Antibiotic Stewardship and Reviewing Associated HEDIS Measures](#)

2. Complete your course and download your certificate

- Complete the Evaluation and Attestation to gain access to your certificate.
- Click on your name at the top right to select your profile.
- On profile, please be sure you have entered your Name and Credential(s) as they should appear on your certificate by clicking “edit” → “info” → “save”
- Select Awards on the left to retrieve the certificate and download the PDF file
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