

# **Using Data to Improve Asthma Control: Asthma Quality Measures**

## **Center for Medicaid and CHIP Services (CMCS) Improving Asthma Control Learning Collaborative: Webinar #2**

**November 21, 2019**

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Natasha Reese-McLaughlin, Mathematica

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# Housekeeping Instructions

# Webinar Logistics

- Mute phone, unless speaking
- Q&A
- Chat

Chat ×

To: Host ▼

Enter chat message here

Q&A ×

All (0)

Ask: All Panelists ▼

Select a panelist in the Ask menu first and then type your question here. There's a 256-character limit.

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# Agenda

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- **Welcome and introductions**
- **Use of data in asthma control quality improvement initiatives**
- **State panel discussion**
- **Q&A**

# CMCS's Improving Asthma Control Learning Collaborative

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## Objectives

- Support state Medicaid agencies' efforts to reduce the impact of asthma among Medicaid and CHIP beneficiaries
- Expand state Medicaid agencies' knowledge of evidence-based asthma interventions
- **Discuss the importance of using data-driven approaches to focus asthma improvement efforts**
- Learn from states' experiences implementing asthma interventions

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# Using Data to Improve Asthma Control: Asthma Quality Measures

Natasha Reese-McLaughlin, MPP  
Health Researcher  
Mathematica



# Poll Question #1

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**Which type of organization do you represent?**

- a) Medicaid agency
- b) Department of public health
- c) Other state or local agency
- d) Health plan
- e) Health care provider
- f) Community asthma program
- g) Other

## Poll Question #2

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**How do you currently use data in your asthma program?  
Select all that apply.**

- a) Use data to target high-risk individuals or identify areas of need
- b) Use data to monitor health outcomes
- c) Use data to assess return on investment (ROI)
- d) Collect data but do not use data to track results
- e) Other

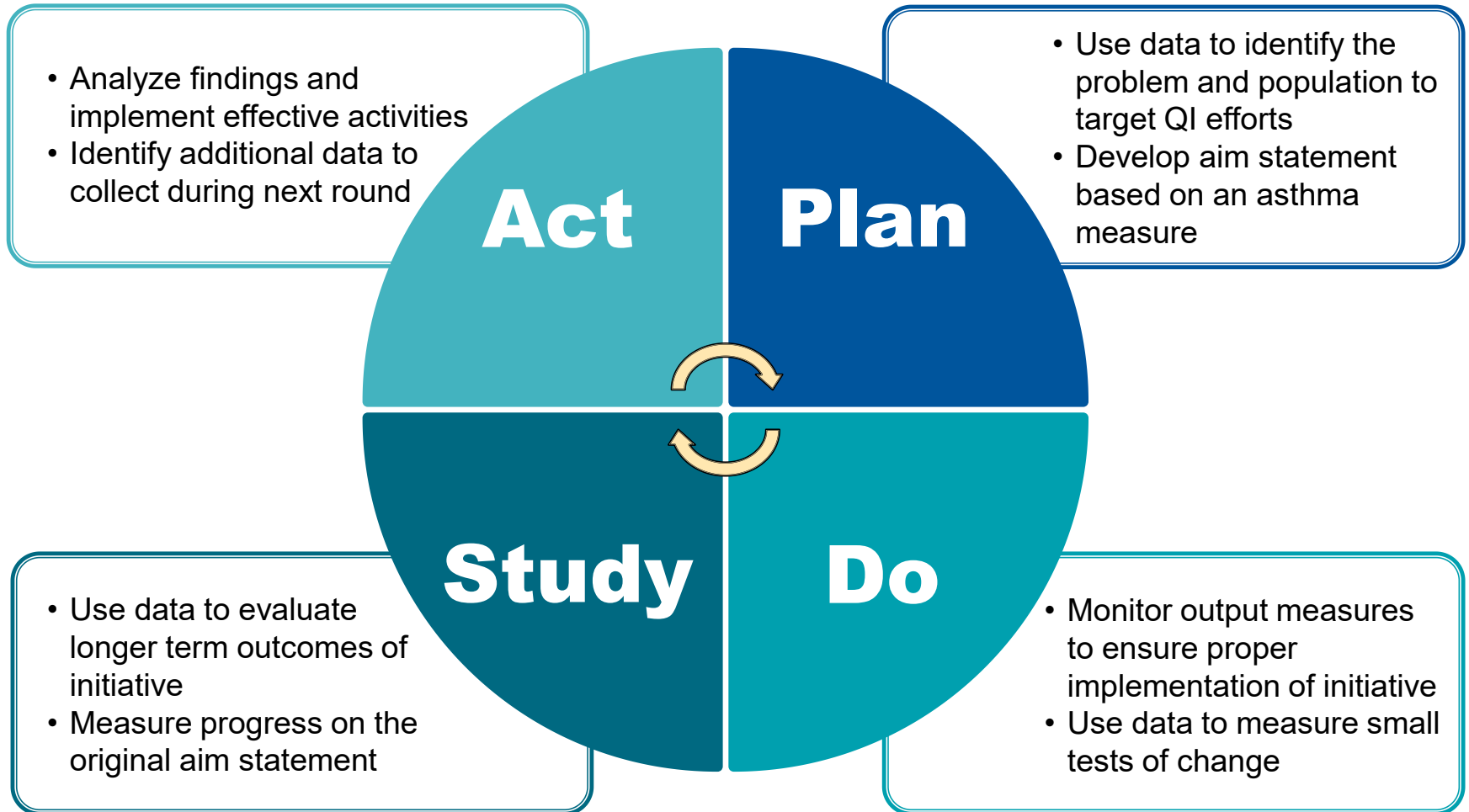


# Use of Data in Quality Improvement

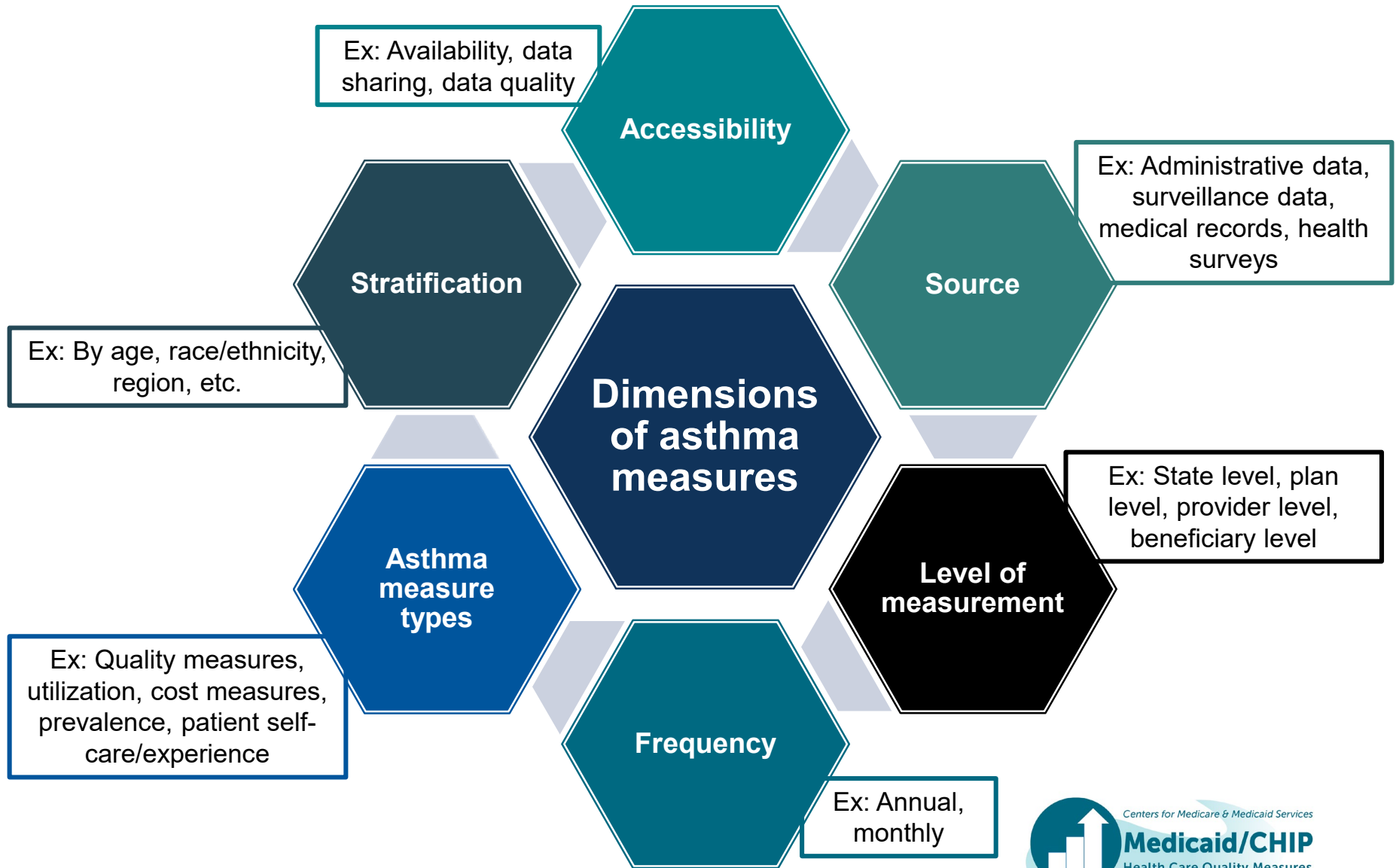
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- Quality improvement (QI) is initiated and sustained with data and effective quality measures.
- Analysis of data can answer key questions, such as:
  - How are we performing on asthma care?
  - What should the goal and aim of the QI initiative be?
  - Which factors or populations should we focus on to drive improvement?
  - Is the QI initiative being implemented as intended?
  - How successful was the QI initiative?

# Use of Data During QI Lifecycle

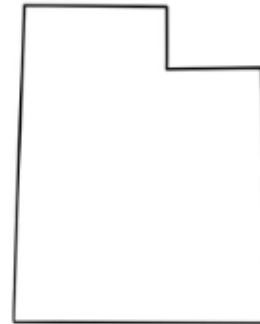


# Considerations for Selecting Asthma Measures



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# State Panel Discussion



# Introductions

## California



**Ashley Kissinger**  
Program Manager  
CA Department of Public  
Health

## New York



**Ryan Ashe**  
Director of Value Based  
Payment & Healthcare  
Innovation  
NYS Department of Health



**Stephanie Mack**  
Population Health Data Manager  
NYS Department of Health

## Rhode Island

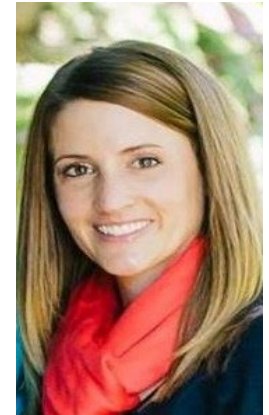


**Dr. Jerry Fingerut**  
Associate Medical Director  
RI Executive Office of  
Health & Human Services



**Julian Rodríguez-Drix**  
Asthma Control Program Manager  
RI Department of Health

## Utah



**Holly Uphold**  
Epidemiologist  
UT Department of  
Health

# Question #1

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**What asthma measures are you using to drive and demonstrate improvement?**

**Ashley Kissinger**  
California DPH

**Ryan Ashe & Stephanie Mack**  
New York DOH

**Dr. Jerry Fingerut & Julian Rodríguez-Drix**  
Rhode Island EOHHS & DOH

**Holly Uphold**  
Utah DPH

## Question #2

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**What were some challenges your program faced with obtaining and using asthma data for quality improvement?**

**How did you overcome these challenges?**

**Ryan Ashe & Stephanie Mack**  
New York DOH

**Ashley Kissinger**  
California DPH

**Dr. Jerry Fingerut & Julian Rodríguez-Drix**  
Rhode Island EOHHS & DOH

# Question #3

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**What tips can you share for identifying, selecting, and using asthma measures?**

**Holly Uphold**  
Utah DPH

**Dr. Jerry Fingerut &  
Julian Rodriguez-Drix**  
Rhode Island EOHHS  
& DOH

**Ryan Ashe & Stephanie  
Mack**  
New York DOH

**Ashley Kissinger**  
California DPH



# Question #4

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**How do you stratify the data in order to target interventions, address disparities, or monitor impact?**

**Ashley Kissinger**  
California DPH

**Holly Uphold**  
Utah DPH

# Question #5

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**If you used benchmarks, how did you choose them?**

**If your asthma program has a performance target, how did you set that target?**

Ryan Ashe & Stephanie  
Mack  
New York DOH

# Q&A

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- **To submit a written comment, click on the “Q&A” pod and submit your question in the text box provided. Please select All Panelists in the “Ask:” field when submitting your question or comment.**
  - *Please note, your comments can only be seen by our presentation team and are not viewable by other attendees.*

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# Wrap Up

# Asthma Quality Measures Resources

- **CMS Core Set of Children and Adult Health Care Quality Measures:**  
<https://www.medicaid.gov/medicaid/quality-of-care/performance-measurement/adult-and-child-health-care-quality-measures/index.html>
  - Each year CMCS publishes sets of core measures assessing the quality of care and health outcomes for adults participating in Medicaid and children enrolled in Medicaid and CHIP. The Core Sets include several measures related to asthma care (AMR-CH/AD, PQI05-AD, PQI 15-AD).
- **HCUPnet:** <http://hcupnet.ahrq.gov/>
  - This website allows users to select national or state-level statistics, based on conditions and procedures. Users can compare types of patients and hospitals. Statistics are based on data received from statewide hospital discharge data programs.
- **MEPSnet:** [http://www.meps.ahrq.gov/mepsweb/data\\_stats/meps\\_query.jsp](http://www.meps.ahrq.gov/mepsweb/data_stats/meps_query.jsp)
  - This website offers statistics and trends about health care expenditures, utilization of health services, and health insurance coverage, including national and regional health insurance estimates.
- **Medicaid Claims, Uses for Asthma Surveillance:**  
<https://www.cdc.gov/asthma/data-analysis-guidance/medicaid-claims-data.htm>
  - This website provides guidance on how Medicaid claims can be used for asthma surveillance.
- **CDC Fastats:** <http://www.cdc.gov/nchs/fastats/asthma.htm>
  - This website provides easy access to asthma statistics and links to specific data sources for more information on national asthma data.



# Upcoming Learning Collaborative Events

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- **Webinar #3: Models of Asthma Care: Successful State Case Studies – December 19, 2019**
- **Webinar #4: Improving Asthma Control Affinity Group Q&A – January 2020**
- **Affinity Group Expression of Interest Form posted – January 2020**

To listen to the recording or view the slides from the introductory asthma control webinar (Webinar #1), please visit: <https://www.medicaid.gov/medicaid/quality-of-care/improvement-initiatives/asthma/index.html>

# Contact for Improving Asthma Control Learning Collaborative

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For questions related to the Improving Asthma Control Learning Collaborative, please submit your questions to the TA mailbox at:

[MACQualityImprovement@mathematica-mpr.com](mailto:MACQualityImprovement@mathematica-mpr.com)

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**Thank you for participating in the  
webinar.**

**Please complete the evaluation as you  
exit the webinar.**



# California DPH: Example Measures and Phases

**Baseline data for patients/clients who receive asthma SME**

ID*	Demographics				Smoking	PCP	Asthma control		Medication use		Action plan	Health care utilization	
	Age of patient/client	Gender	Race/ethnicity	Language(s) spoken	Smokes or lives with smoker(s) (client smokes/client lives with smoker(s))	Has primary care provider at enrollment	Has poorly controlled asthma at enrollment	Scored <19 on asthma control test prior to enrollment	Number of controller medication refills in 12 months prior to enrollment	Number of rescue (reliever) medication refills in 12 months prior to enrollment	Had written asthma action plan prior to enrollment	Number of asthma-related hospitalizations in 12 months prior to enrollment	Number of asthma-related ED visits in 12 months prior to enrollment

**6-month follow-up data for patients/clients who receive asthma SME**

ID*	Number of asthma SME sessions attended	Referrals			Skills and knowledge		Asthma control		Medication use			Action plan	Health care utilization		
		Referred for additional asthma services	Which asthma services? (e.g., asthma management education, home visit, healthy housing, PCP)	Referred to smoking cessation resources (client referred/family member referred)	Successfully demonstrated basic asthma knowledge and skills	How were asthma skills and knowledge assessed? (e.g., test, questionnaire, demonstration, etc.)	Self-reported that asthma is "well-controlled" one month or more after intervention	Scored <19 on asthma control test after intervention	Self-reported improved controller medication adherence after intervention	Number of controller medication refills in 6 months after intervention	Number of rescue (reliever) medication refills in 6 months after intervention	Had written asthma action plan after intervention	Number of asthma-related hospitalizations in 6 months after intervention	Number of asthma-related ED visits in 6 months after intervention	Self-reported reduction in missed school or work days after intervention

**12-month follow-up data for patients/clients who receive asthma SME**

ID*	Asthma control		Medication use			Action plan	Health care utilization		
	Self-reported that asthma is "well-controlled" 12 months after intervention	Scored <19 on asthma control test after intervention	Self-reported improved controller medication adherence after intervention	Number of controller medication refills in 12 months after intervention	Number of rescue (reliever) medication refills in 12 months after intervention	Had written asthma action plan after intervention	Number of asthma-related hospitalizations in 12 months after intervention	Number of asthma-related ED visits in 12 months after intervention	Self-reported reduction in missed school or work days after intervention