



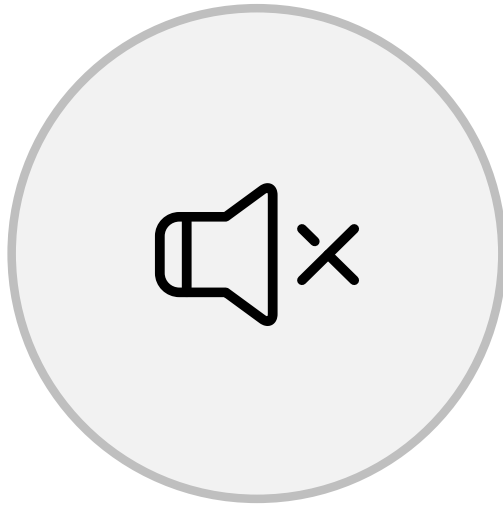
AIRA
AMERICAN IMMUNIZATION
REGISTRY ASSOCIATION



Town Hall on Proposed Additional Submission Measures for Assessment

August 29th, 2019
3pm-4pm ET

Welcome



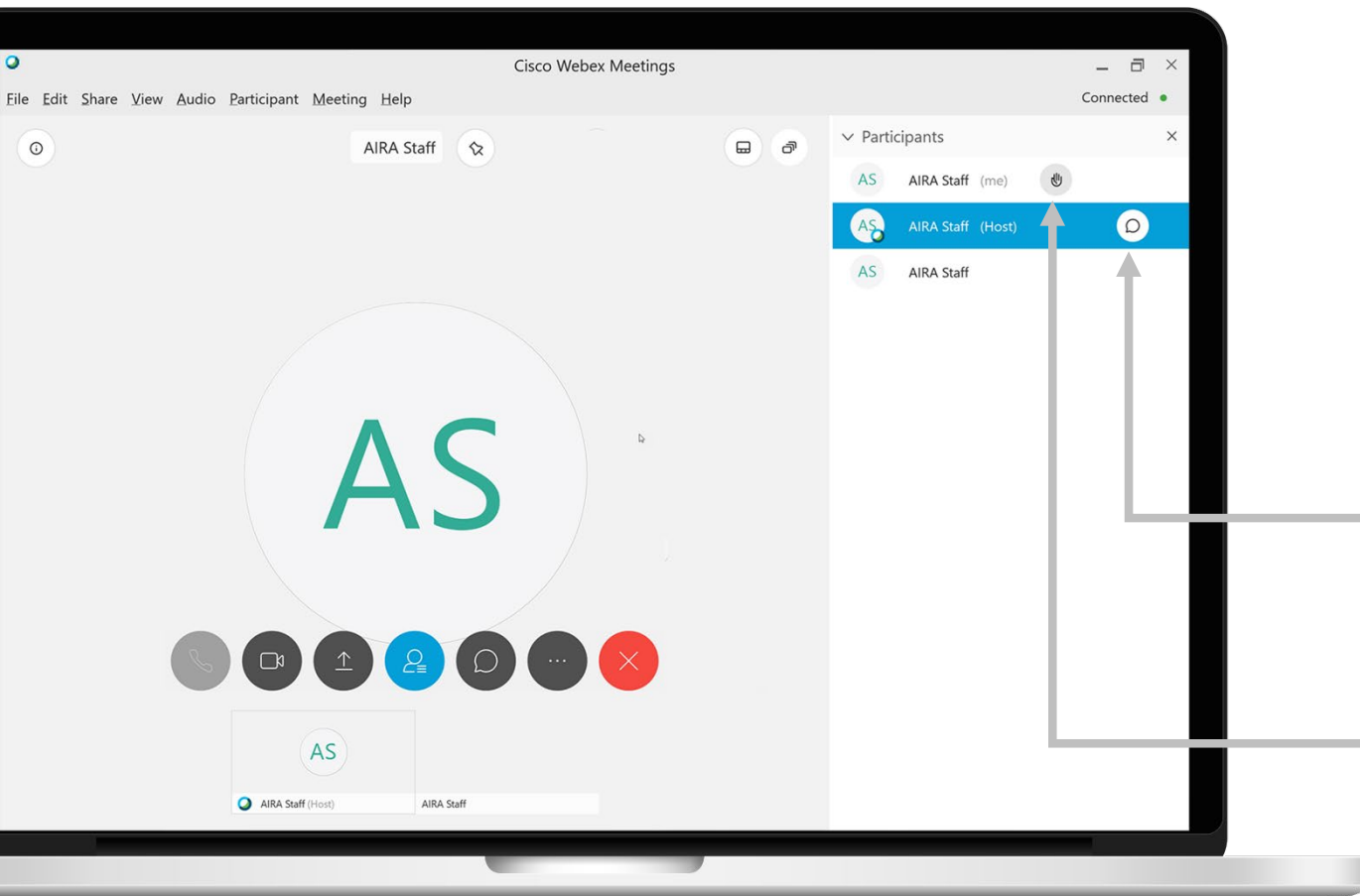
All phone lines
are muted



This meeting is being recorded
and will be posted on the
AIRA repository

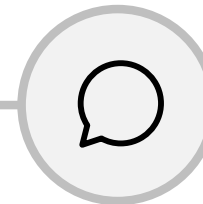


Welcome

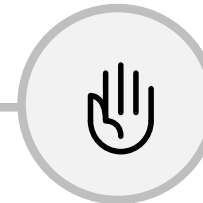


• How do I ask a question?

- There will be time allotted for Q&A following the presentation, to unmute your line **press *6**
- Via WebEx:



Select the chat icon next to the host and type question into the chat box.



Select the hand icon next to your name and you will be called on.



Agenda

- Welcome – Aaron Bieringer, Co-Chair, MACAW
- Background and Context – Mary Beth Kurilo, AIRA
- Additional NDC Submission Measures – Eric Larson, AIRA
- Questions/Discussion/Open Forum – All
- Wrap Up – Aaron Bieringer



Background and Context

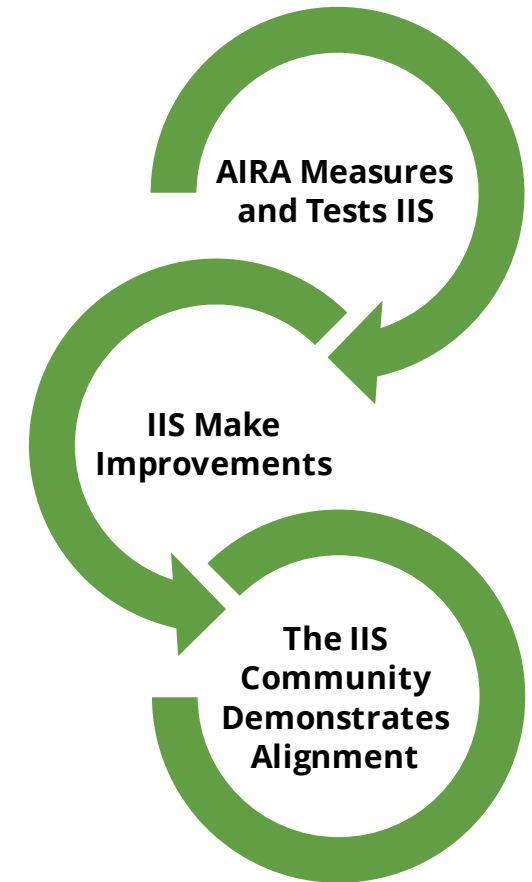
Mary Beth Kurilo



Measurement and Improvement Initiative – What Is it?



- The IIS Measurement and Improvement (M&I) Initiative began in 2015 as an effort to:
 - Test IIS alignment with standards
 - Provide IIS with information and assistance to improve
- All testing is conducted by AIRA staff, in large part through:
 - Connecting with test or pre-production systems
 - Submitting test messages
 - Analyzing returned messages



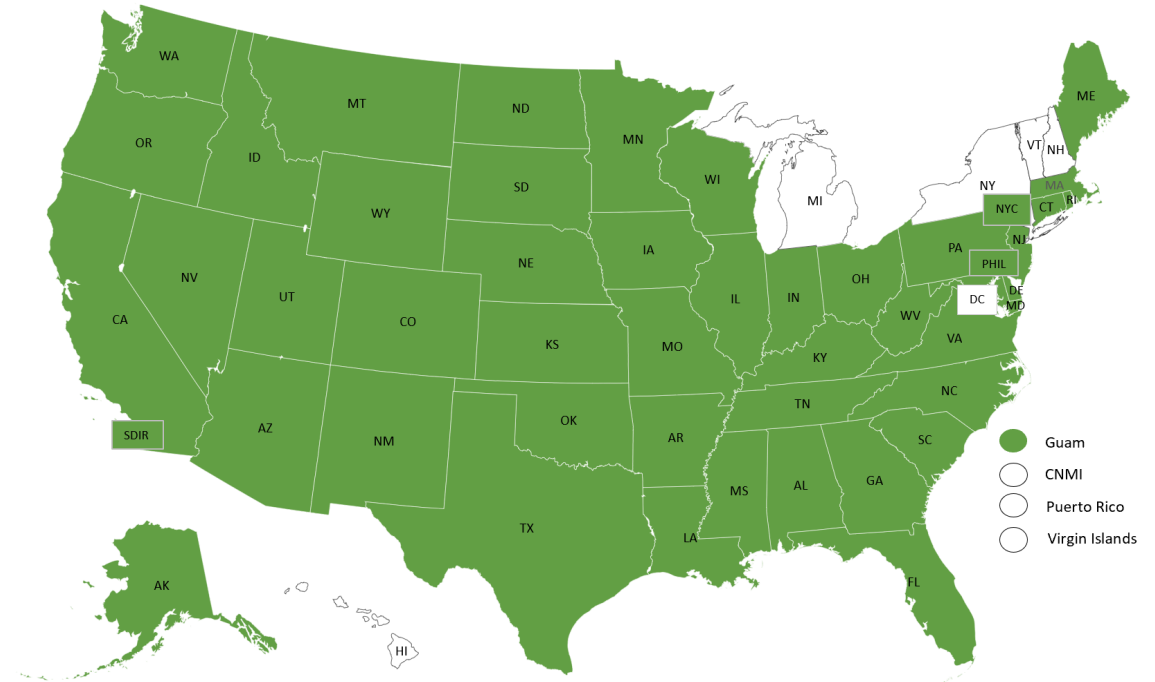
Who is Supporting This Process?

- MACAW – The Measurement for Assessment and Certification Advisory Workgroup
 - Led by IIS/Imm Programs, Vendors
- CDC
 - Our funders, supporters, and collaborators
- NIST – National Institute of Standards and Technology
 - The Information Technology Laboratory is collaborating with AIRA to develop much of the tooling to support measurement
- IIS and Immunization Programs
- IIS Vendors

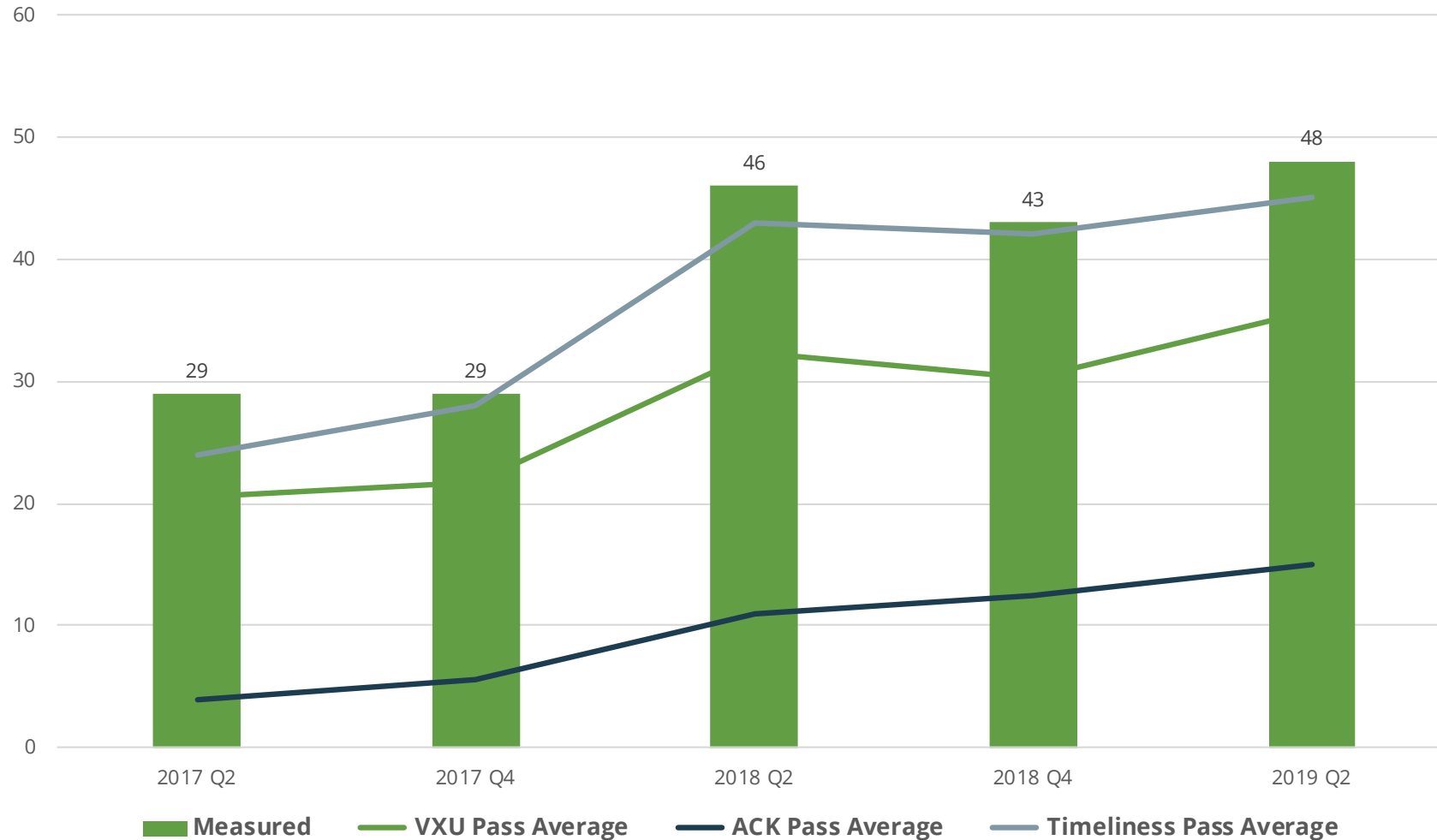


Thank You For Connecting!

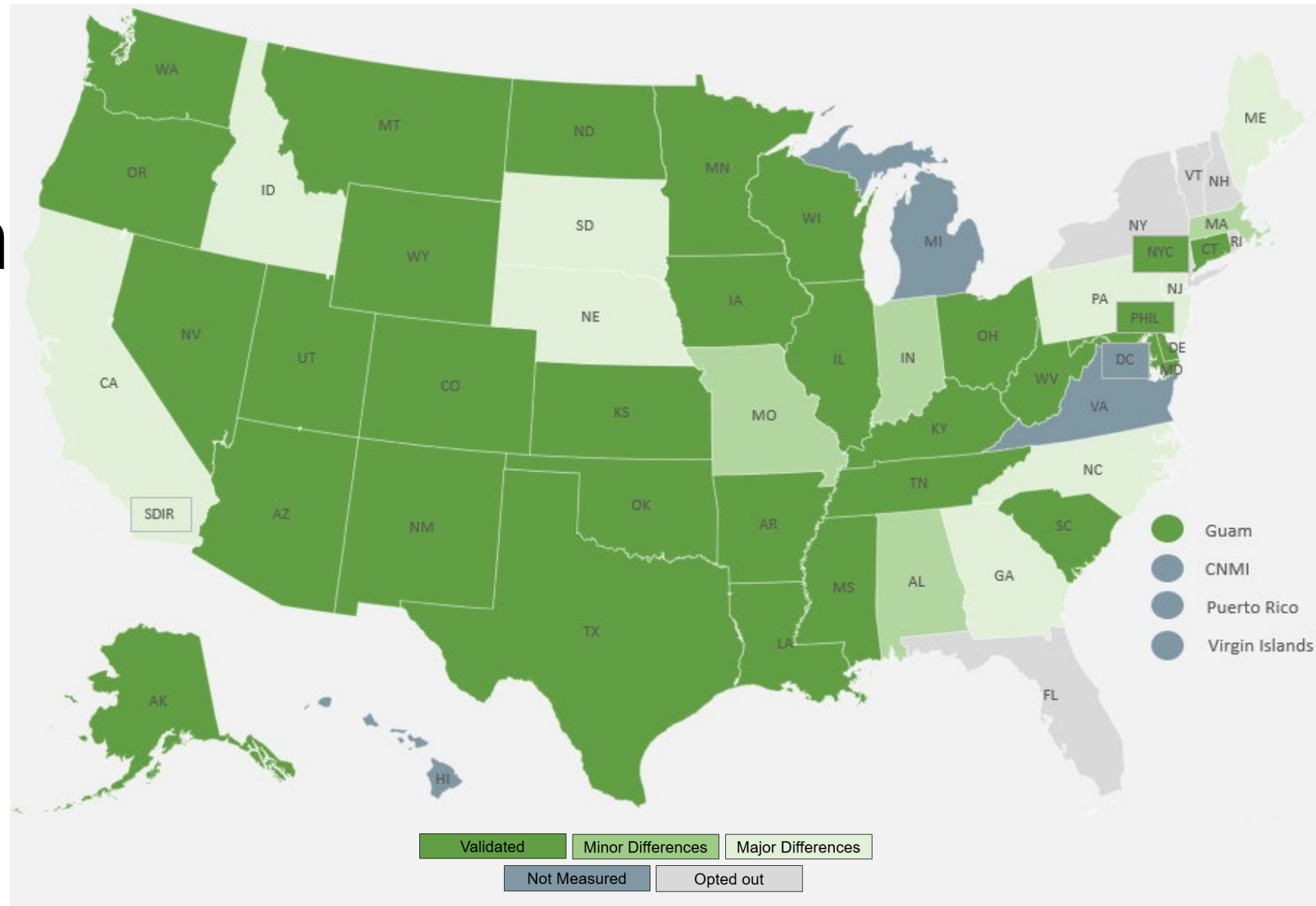
- Participation is strong and results are being reviewed and acted upon
- Partners from ONC and HHS are publicly recognizing improvements in standardization across IIS
- We are seeing quantitative and documented progress in all areas of quarterly measurement



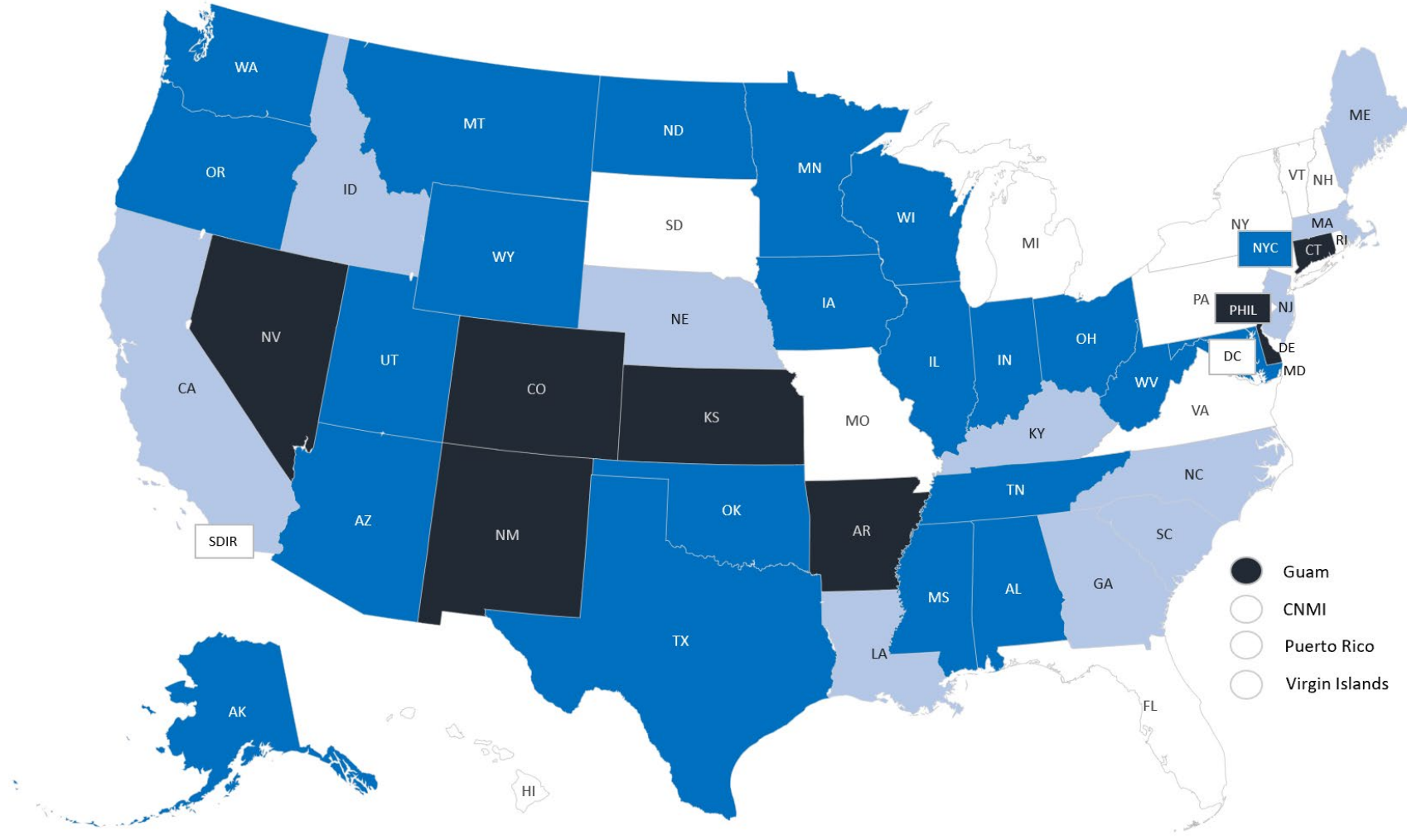
Assessment Results: Submission/ACK



Submission Validation, Basic, Q2 2019



When Looking Across All Content Areas for Validation (Transport, Submission/ Acknowledgement, Query/ Response):



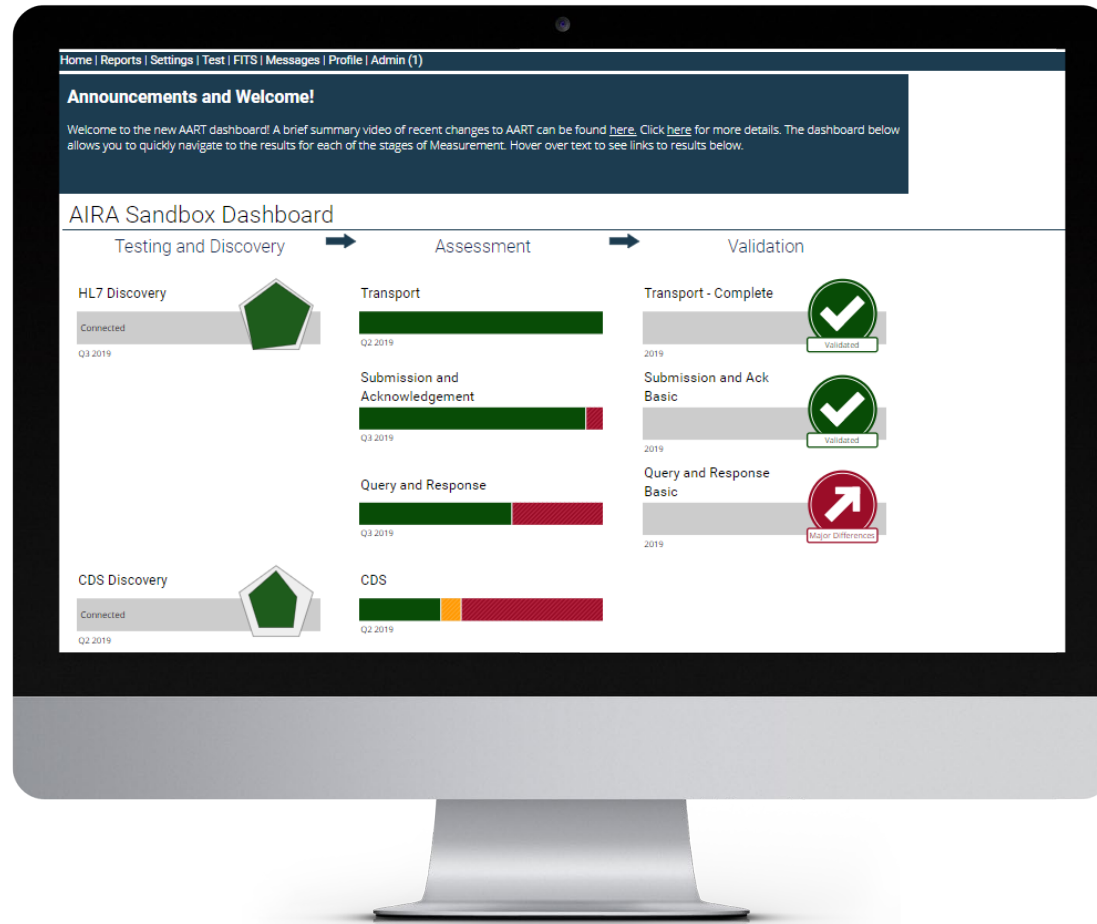
Validated in One
Content Area – 11 IIS

Validated in Two
Content Areas – 22 IIS

Validated in Three
Content Areas – 9 IIS



The AART Dashboard – Your Gateway To Data



Click to drill down to:

- Measure results and information
- Test case outcomes – expected and actual
- Historical perspectives
- Results from your peers who have shared their data and information



New Functions Coming

Developer Access

- Will allow developers to do **test-driven development**, and to test functions and enhancements against M&I measures and tests **as they build them**



Product Validation

- Will allow IIS vendors to **validate that their base product** meets M&I measures and tests



Where to go Next? Technical Assistance (TA) is available

- TA helps accelerate the “Improvement” part of Measurement and Improvement
 - Educating on the functionality of AART
 - Clarifying and improving upon standards
 - Assisting with developing requirements and planning enhancements
- Available for IIS Programs or Vendors
- Available for technical or non-technical issues



A Quick Reminder of the M&I Measure Development and Approval Process



MACAW Prioritizes, Discusses and Develops Measures



Measures are Shared with IIS Community For Review and Input



You Are Here!



Comments are Compiled, Measures Updated, MACAW Makes Recommendation to the AIRA Board for Approval



Content Area

Transport

**Submission /
Acknowledgement**

Query / Response

CDS

Data Quality

1

Testing & Discovery

Testing & Discovery

Testing & Discovery

Testing & Discovery

Testing & Discovery

2

Assessment

Assessment

Assessment

Assessment

3

Validation

Validation

Validation



1

2

3

Content Area

Transport

Testing & Discovery

Assessment

Validation

Submission /
Acknowledgement

Testing & Discovery

Assessment

Validation

Query / Response

Testing & Discovery

Assessment

Validation

CDS

Testing & Discovery

Assessment

Data Quality

Testing & Discovery






Measures that Make Up Assessment Content Areas

| | |
|------------------------|--|
| Transport | <ul style="list-style-type: none">• 3 Measures |
| Submission/ ACK | <ul style="list-style-type: none">• 14 Measures |
| Query/ Response | <ul style="list-style-type: none">• 8 Measures |
| CDSi | <ul style="list-style-type: none">• 12 Measures |
| Data Quality | <ul style="list-style-type: none">• Data at Rest - #TBD• Incoming/Ongoing Data – #TBD |



Measures that Make Up Assessment Content Areas

| | | |
|------------------------|--|--|
| Transport |  | <ul style="list-style-type: none">• 3 Measures |
| Submission/ ACK |  | <ul style="list-style-type: none">• 14 Measures + 2 New Measures for NDC |
| Query/ Response |  | <ul style="list-style-type: none">• 8 Measures |
| CDSi |  | <ul style="list-style-type: none">• 12 Measures |
| Data Quality |  | <ul style="list-style-type: none">• Data at Rest - #TBD• Incoming/Ongoing Data – #TBD |



Additional NDC Submission Measures

Eric Larson



Above the Fold Information

- MACAW is recommending NDCs be incorporated into Submission and Acknowledgment Assessment

Brief Timeline

- 2018
 - **Quarter 2:** Incorporated NDC into Testing and Discovery.
- 2019
 - **April:** MACAW In-person
 - **July:** Introduced to Board
 - **August:** Inform community (town hall / public comment)
 - **September:** Board approval
 - **Quarter 4:** Include NDCs in Assessment



Rationale for Incorporating NDCs

- In mid-to-late 2016, MACAW and the community elected NOT to include NDCs in Assessment
 - Testing began Q1 2017
- Then MU3 and now Promoting Interoperability call out NDC as the required coding for administered doses
- Latest NPRM reviewed by community continues to include NDC for administered doses
- Providers are sending NDCs today



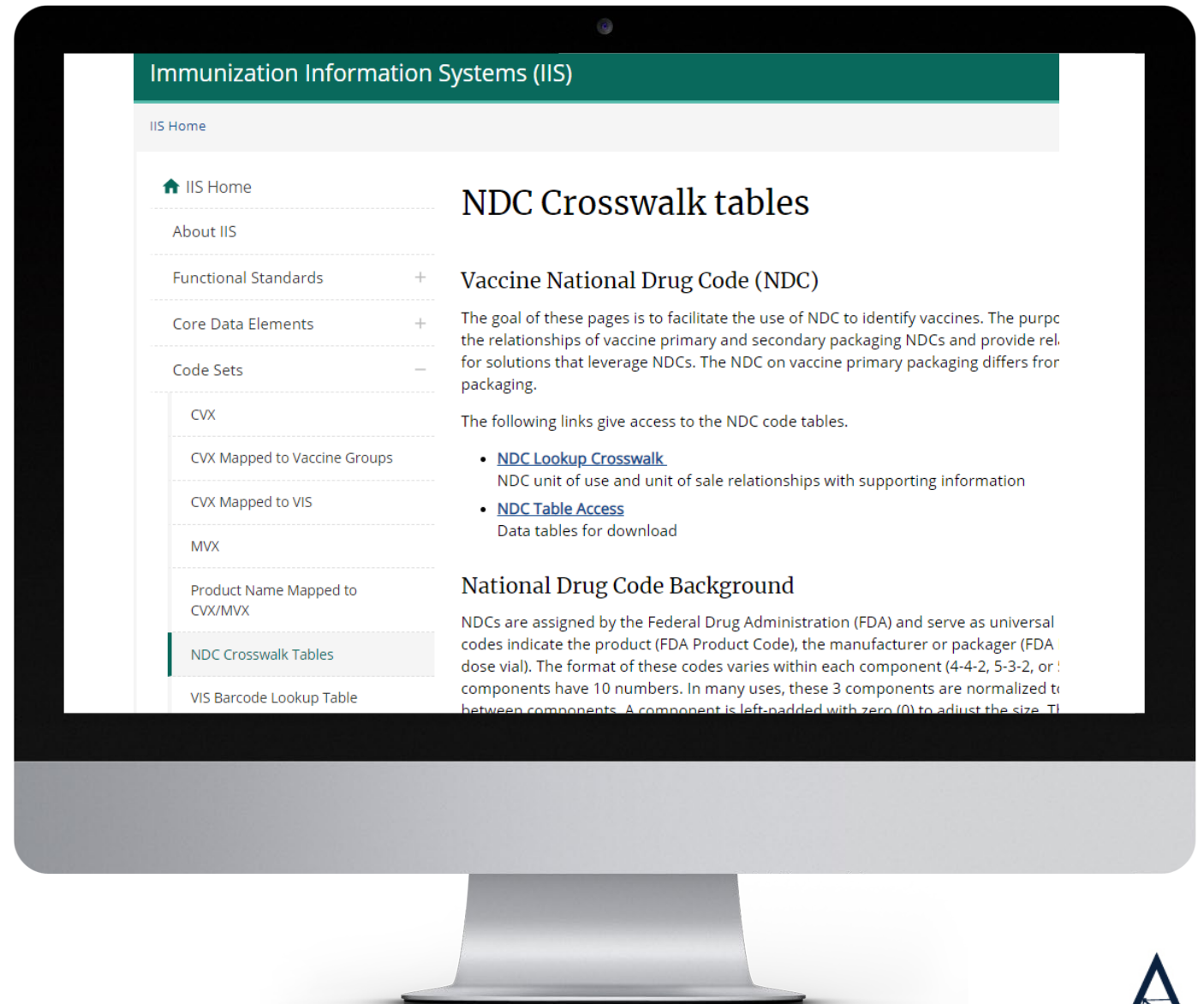
Testing and Discovery

- Starting in **Q2 2018**, NDC was added to the Testing and Discovery Reports.
- Testing and Discovery submits all NDCs on the CDC webpage to IIS each quarter.
- Includes both Unit of Use and Unit of Sale
- Multiple NDC formats (e.g., 10 & 11 digits)
- Data shows **30 IIS** have some level of support for NDC



CDC Resources

https://www2a.cdc.gov/vaccines/iis/iisstandards/ndc_crosswalk.asp



Considerations for how to Incorporate NDC into Submission and Acknowledgment Assessment



MACAW Recommendation

| Consideration | Recommendation |
|--|---|
| Should we Assess Unit of Use and Unit of Sale? | Yes. EHRs may submit either depending upon clinical workflow and/or EHR structure |



MACAW Recommendation

| Consideration | Recommendation |
|--|---|
| Should we Assess Unit of Use and Unit of Sale? | Yes. EHRs may submit either depending upon clinical workflow and/or EHR structure |
| Which NDC formats should we Assess? | <p>While the preferred method is 11 digits with hyphens, other NDC formats are well known and used across industry. Therefore, three formats should be tested</p> <ul style="list-style-type: none">• 11 digits with hyphens• 11 digits without hyphens• 10 digits with hyphens |



MACAW Recommendation

| Consideration | Recommendation |
|--|--|
| Should we Assess Unit of Use and Unit of Sale? | Yes. EHRs may submit either depending upon clinical workflow and/or EHR structure |
| Which NDC formats should we Assess? | While the preferred method is 11 digits with hyphens, other NDC formats are well known and used across industry. Therefore, three formats should be tested <ul style="list-style-type: none">• 11 digits with hyphens• 11 digits without hyphens• 10 digits with hyphens |
| Should we Assess all possible NDCs? | No. Similar to how we assess CVX codes, we assess for the ability to receive a few well-known codes. Testing and Discovery (i.e., the Pentagon Report) provides full coverage of CVX and NDC. |



MACAW Recommendation

| Consideration | Recommendation |
|--|--|
| Should we Assess Unit of Use and Unit of Sale? | Yes. EHRs may submit either depending upon clinical workflow and/or EHR structure |
| Which NDC formats should we Assess? | While the preferred method is 11 digits with hyphens, other NDC formats are well known and used across industry. Therefore, three formats should be tested <ul style="list-style-type: none">• 11 digits with hyphens• 11 digits without hyphens• 10 digits with hyphens |
| Should we Assess all possible NDCs? | No. Similar to how we assess CVX codes, we assess for the ability to receive a few well-known codes. Testing and Discovery (i.e., the Pentagon Report) provides full coverage of CVX and NDC. |
| Where should we add this in Assessment? | Make new measure(s). <ul style="list-style-type: none">• This allows existing measures to maintain their trendline.• Does not disrupt Validation (as new measures can be moved to Validation at an appropriate time) |



Two New Measures

15)The IIS processes an administered vaccine using the preferred NDC format.

- This will include Unit of Use and Unit of Sale test cases in the community preferred 11 digits with hyphens format

16)The IIS processes an administered vaccine using alternative NDC formats.

- This will include Unit of Use and Unit of Sale test cases in known (and standard) alternative NDC formats (i.e., 10 digits w/ hyphens; 11 digits w/o hyphens)



How will this impact Validation?

- It won't change anything immediately
- Validation will remain as is for now
- Measures have to be in Assessment for 3 quarters before they can be considered for Validation
- After 3 quarters, they can be moved to Validation through the same public comment and board approval process as Assessment
- Realistically, we'd be looking at Q1 2021 to recommend moving these measures into Validation



Questions/Discussion/Open Forum

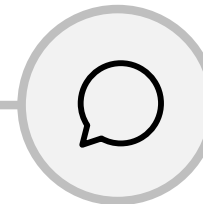
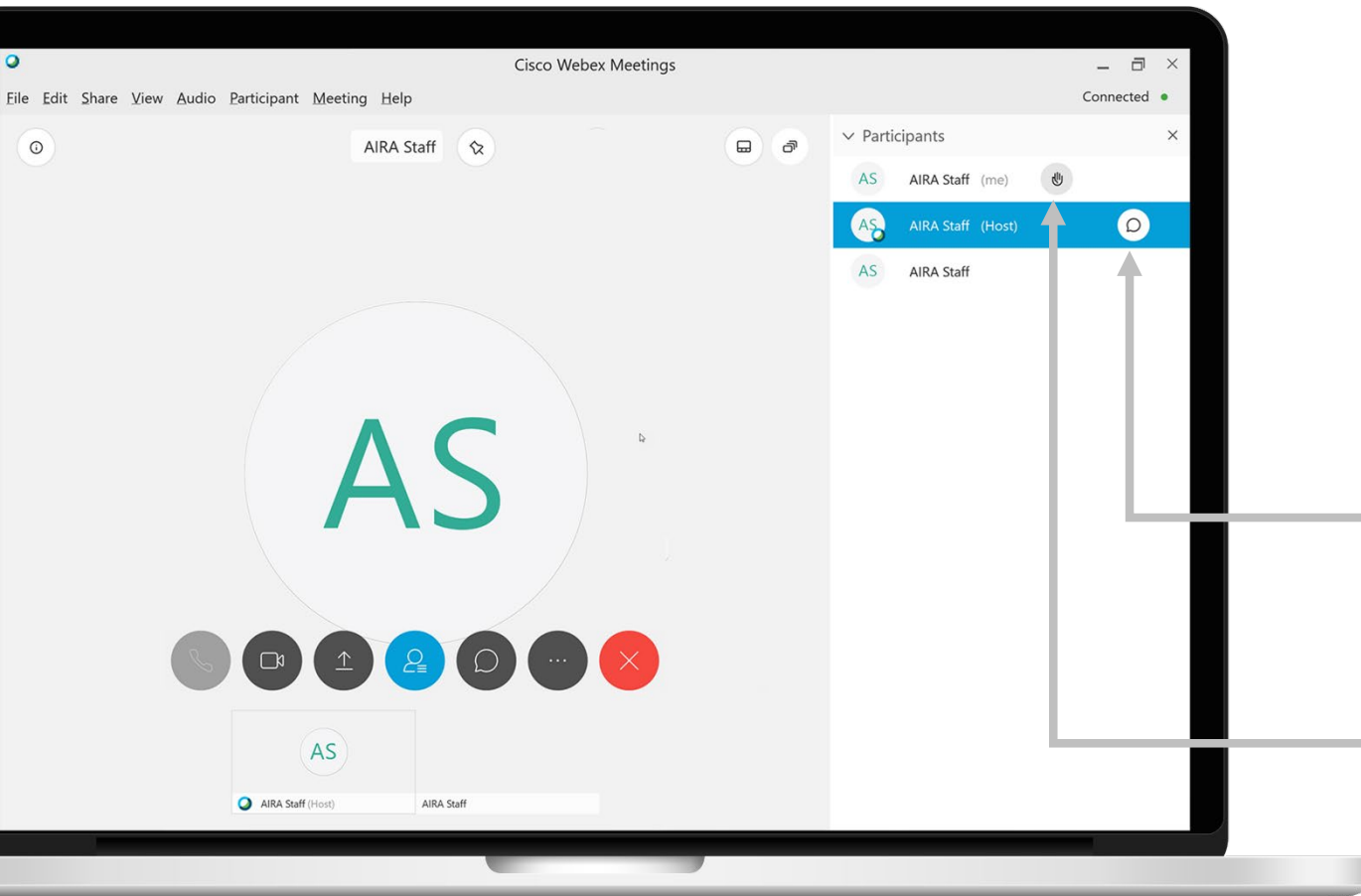
All



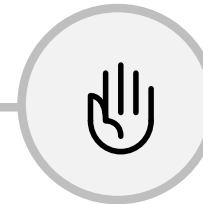
Questions, Comments, Discussion?

- **How do I ask a question?**

- To unmute your line **press *6**
- Via WebEx:



Select the chat icon next to the host and type question into the chat box.



Select the hand icon next to your name and you will be called on.



Wrap Up/Next Steps

Aaron Bieringer



Timeline

- Jul. 15: Introduced proposed Assessment measures to board
- Aug. 19: Sent new measures out for public comment
- Aug. 29 (today!): Town hall to discuss new measures
- Sep. 6: Public comment closes (Next Friday!)
- Sep. 12: Resolve public comments (on MACAW call)
- Sep. 16: Request Board approval of Measures
- Q4 2019: Include new measures in Submission Assessment



Thank you for joining us, for your input, and for your continued improvement work!

Aaron Bieringer: aaron.bieringer@state.mn.us

Mary Beth Kurilo: mbkurilo@immregistries.org

Eric Larson: elarson@immregistries.org

