Unveiling CMS Measures Inventory Tool (CMIT) 2.6!

Presenters
Melissa Gross, CMS
Teresa Brown, Battelle
Mary Angel, Battelle
Meridith Eastman, Battelle

Welcome

- Info Sessions are stakeholder outreach and education activities to engage those interested in CMS measure development.

- Info Sessions are an activity of the Measures Management System (MMS) contract

3/29/2023

CMS is committed to providing *Education and Outreach* opportunities about the quality measure development process to interested stakeholders to improve understanding of the process. CMS also seeks continual feedback to improve and/or expand its offerings to the healthcare quality measure development community and interested stakeholders.

To date, CMS has implemented an *Education and Outreach* webinar series and has created resource materials that break down and explain various components and challenges in the measure development process. There are dedicated websites, listservs, and roadmap documents that are available to support those that are working in quality measure development, or are just curious and want to learn more about how it is done.

Objectives

- **Learn about CMIT 2.6's enhanced features:**
  - Updates to the measure terminology and IDs
  - Expanded information including CMS Innovation Center model and demonstration measures
  - Integration of the new Cascade of Meaningful Measures categorization

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This slide deck will delve into the major changes to the CMIT tool. One is the updates to the measure terminology which we believe to be more intuitive, while the CMIT IDs have undergone a change which is more user-friendly. Expanded is information to now include the CMS Innovation Center model and demonstration measures and integrated are the new Cascade of Meaningful Measures categorizations or framework to our measures.

CMIT 2.6 Release

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CMIT Overview

- Host site for the CMS Quality Measures Inventory

- Agency-level repository of record for information about the measures CMS uses to promote health care quality and quality improvement
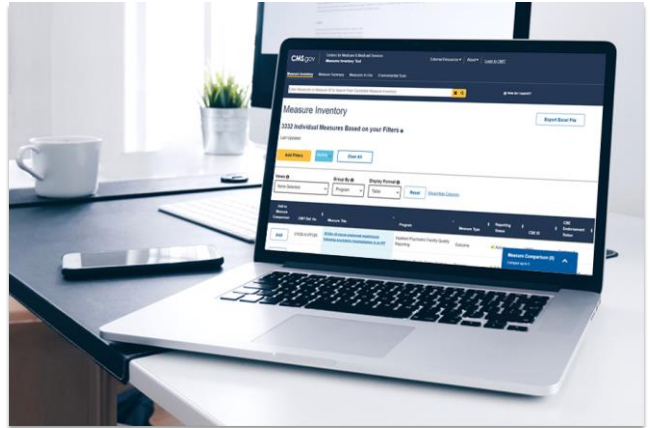
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CMIT contains a lot of details around the specifics for measures such as descriptions and their numerator and denominator. A lot goes into measure reporting for various payment and performance programs, and as such there are a lot of measure initiatives for which we remain as inclusive as possible.

Purpose of CMIT

- Provide stakeholders access to information about quality measures
- Promote transparency
- Coordinate quality improvement efforts
- Enable public participation in quality measurement
- Assist in management of the CMS quality measure information
  - Foster measure harmonization and alignment
  - Identify redundancies
  - Identify measurement gaps

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CMIT Data

The CMS Quality Measures Inventory includes:

– CMS-related measures under development, under consideration, proposed, finalized, implemented, and removed

– Measures in Medicaid core sets, Medicare Star Ratings Parts C & D, Innovation Center models, Marketplace QRS, and Medicare quality programs including those for hospitals, post-acute care/long-term care settings, and clinicians

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For historical purposes we do keep measures that have been removed from programs. Oftentimes within the measure information there are links to the actual federal rule where those decisions were made. Alternatively, there are links to the eCQI Resource Center to obtain more specific information on eCQMs, but ultimately the end goal is to provide the most up-to-date and current information for all of the different programs and their various stages in the measure development process.

CMIT Data Updates

- **Data sources include:**
  - Proposed and final federal rules
  - Measure specification and technical manuals
  - Published CMS program documentation
- **Data are updated on a rolling-basis**

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Proposed and final federal rules—For those programs that use that formal rulemaking process, we try to update that data as it comes out on a rolling basis.

Measure specification and technical manuals—We follow any published CMS program documentation. So if a program doesn't go through that formal Federal Register rulemaking process but has an annual call letter, those are some examples of what documentation we may use.

Collaborate with CMS program leads—A key point about these data updates is that as we collect and synthetize this information and prepare to put it into CMIT by working with the CMS program leads to ensure they have validated that information.

CMIT 2.6 Key Updates

- The updated CMIT 2.6 release will improve and simplify user experience by:

  ▶ **Updating terminology and introducing intuitive IDs**

  – Integrating Cascade of Meaningful Measures categorization

  – Additional enhancements

    - Improving search functionality and additional enhancements to improve user experience

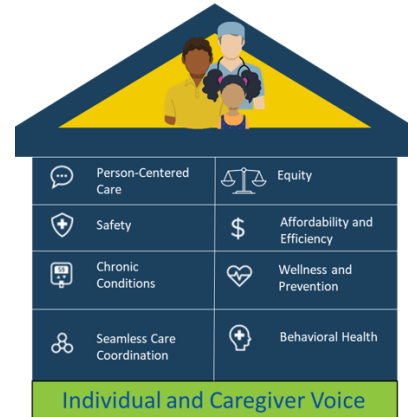   - Incorporating CMS Innovation Center model and demonstration measures

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CMIT Naming Conventions

Previous Terminology

| Family |
| Measure Standard |
| Measure Variant |

to

Updated Terminology

| Measure |
| Measure Variation |
| Program-Specific Version |

- Updated naming conventions to make the titles self-evident to users

- Updated hover overs and tool tips reflecting that CMS programs may adapt variations of measures to apply to their program needs (e.g., a specific population or care setting)

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Depicted on the *left* of this slide is the terminology we just covered as a part of the orientation to CMIT. To make the Inventory more user-friendly, we are proposing the terminology on the *right* to better describe exactly what each level of the data infrastructure represents to any user accessing CMIT.

CMIT 2.6 - Infrastructure

FAMILY: A grouping of similar standards.

STANDARD: A measure belonging to a family, which is substantively different than other standards in the same family.

PROGRAM-SPECIFIC VERSION: A customizable version of a measure variation assigned to a specific program.
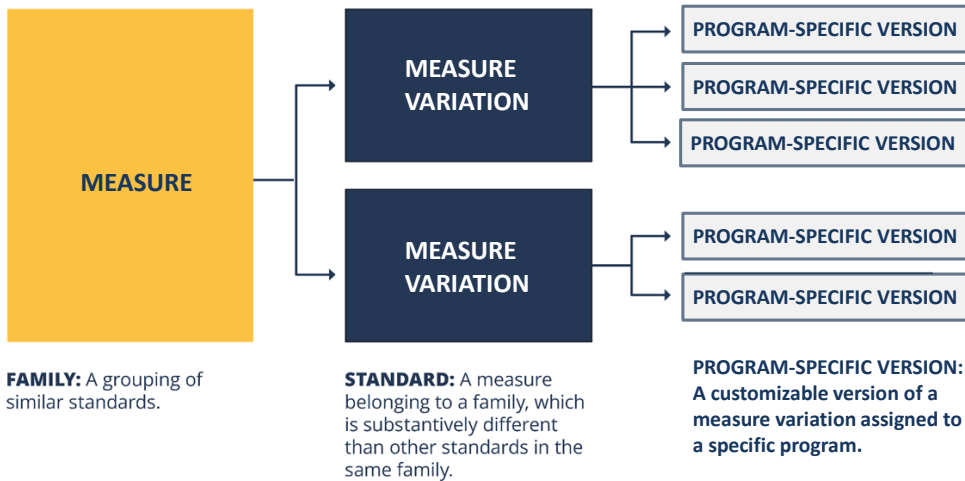
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Depicted on the *left* are the measures, the highest level of categorization.

In the *middle* are the different variations of measures. An example of why there are different measure variations include different care settings or different populations.

On the *right* are the program-specific versions, which is a customizable version of the measure variation assigned to a specific program. Examples of why there are differences include targeted age ranges, different data sources, or any other program-specific adjustments to that measure.

CMIT 2.6 – ID Format

00123-01-C-ABCDE

Measure ID
Used to calculate the number of unique measures

Measure Variation ID
Signifies different measure variation within the same **Measure ID**

Format
C=CQM
E=eCQM

Program Suffix
Indicates which program/model/other is using a version of this measure

Combined to calculate the number of measures across shared programs

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The updated CMIT ID is intended to be a simplified and consistent unique identifier of a program-specific version. From *left to right* are the measure ID, that largest categorization of the measures, followed by the measure variation ID, the format which signifies if the measure is a CQM/ eCQM. At the end is the program suffix that makes obvious which program is using which version.

CMIT 2.6 – ID Format

Previous ID ➜ **12345-C-ASC**

Standard ID Format Program (etc.) suffix

Updated ID ➜ **00123-01-C-ABCDE**

Measure ID
Used to calculate the number of unique measures

Measure Variation ID
Signifies different measure variation within the same **Measure ID**

Format
C=CQM
E=eCQM

Program Suffix
Indicates which program/model/other is using a version of this measure
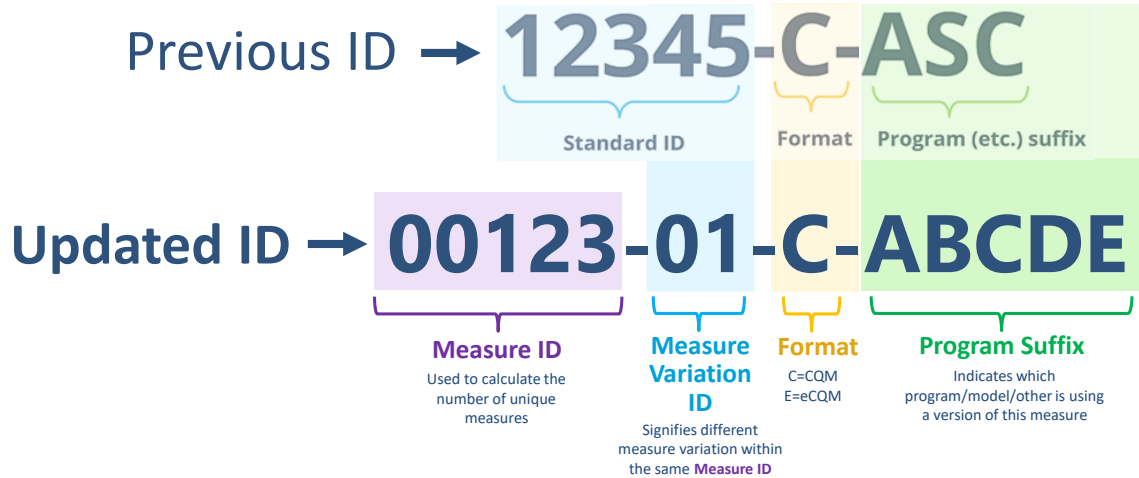
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Depicted here is how the new CMIT ID relates to the previous ID structure. The format and the program are consistent between both versions, with the addition of the new measure ID seen here in *purple.* It provides a stabilizing prefix to the ID, which provides a constant and better link to the measure and program-specific versions throughout the different programs.

CMIT ID Structure

Illustrated on this slide is a screenshot of how the IDs are structured within the CMIT landing site. Depicted in *red* are the differences in how the ID is structured. The new ID shown underlined under the program-specific version titles is made up of the different levels of the structure from ***left to right***. The measure ID, 21, followed by the measure variation ID, either 1, 2, or 3, and making up the full CMIT ID on the right with the ending of the program acronym.

CMIT ID Use

The new CMIT ID

- Emphasizes the Measure ID
- Can be referenced throughout program documentation and other areas in which measures are currently referenced
- Has easily recognizable program acronyms
- In an identifiable format to distinguish eCQMs

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CMIT 2.6 Key Updates

- The updated CMIT 2.6 release will improve and simplify user experience by:
  - Updating terminology and introducing intuitive IDs
  - ▶ **Integrating Cascade of Meaningful Measures categorization**
  - Additional enhancements
    - Improving search functionality and additional enhancements to improve user experience
    - Incorporating CMS Innovation Center model and demonstration measures

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Understanding the Cascade

- The Cascade starts with the eight health care priorities of Meaningful Measures 2.0

- Provides a matrix for categorizing critical components of the health care system at increasingly granular levels of detail

Building Value-Based Care and Promoting Health Equity

Person-Centered Care | Equity
Safety | Affordability and Efficiency
Chronic Conditions | Wellness and Prevention
Seamless Care Coordination | Behavioral Health

Individual and Caregiver Voice

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The Cascade is a tool of operationalizing Meaningful Measures 2.0. The categories (i.e., goals and objectives) of the Cascade were developed by consulting peer-reviewed and grey literature, and through multiple rounds of stakeholder input. We used these sources to identify the goals and objectives that should be measured and then looked at the CMS portfolio to see how it maps onto these key building blocks of quality.

What is the Cascade of Meaningful Measures?

The Cascade is a tool for measure prioritization, supporting CMS's efforts to:

- Align or reduce measures where there are too many

- Identify gaps where new measures may need to be developed

- Help programs move toward aligning measurement with the Cascade's goals and objectives (e.g., through use of composites)

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Cascade of Meaningful Measures Use

The incorporation of the Cascade of Meaningful Measures within CMIT will allow users to:

- Easily identify measures within priority areas

- Export or compare measures with similar goals

- Prioritize measures in development and in use

  – Identify opportunities for measure removal and new measure development

Understanding the Cascade Structure

OBJECTIVE A.1
- Measure A.1.a
- Measure A.1.b

OBJECTIVE A.2
- Measure A.2.a
- Measure A.2.b

OBJECTIVE B.1
- Measure B.1.a
- Measure B.1.b

OBJECTIVE B.2
- Measure B.2.a
- Measure B.2.b

OBJECTIVE C.1
- Measure C.1.a
- Measure C.1.b

OBJECTIVE C.2
- Measure C.2.a
- Measure C.2.b

GOAL A

GOAL B

GOAL C

HEALTHCARE PRIORITY

FUTURE LEVEL OF MEASUREMENT   CURRENT LEVEL OF MEASUREMENT
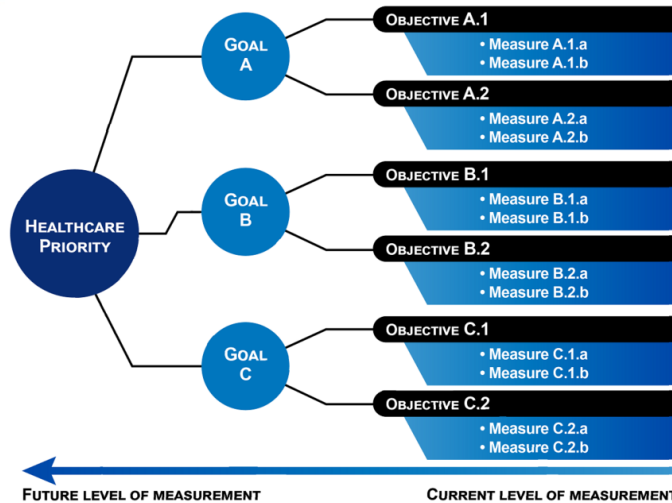
- Each **health care priority** has multiple goals

- Each **goal** is supported by measurable objectives

- **Objectives** are composed of resources, processes, and conditions (measures in CMIT), that are assessed in individual program-specific versions

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On the *left* side of this schematic is a healthcare priority, which represents one of eight healthcare priorities of the Meaningful Measures 2.0. Each healthcare priority has multiple goals, labeled in *light blue* as "A, B and C." Each goal is supported by measurable objectives, depicted furthest on the *right*.

Certain measures, depending on their topic and specifications, may cross two Meaningful Measures 2.0 priorities, for which these measures will have a primary and secondary categorization in the Cascade.

Arrow at bottom of diagram—At present the majority of measures are easily mapped to the objective level. In the future we may shift to the left to more directly measure goals or even healthcare priorities.

Measure-Level Filters

Filters

Active ×

Clear All

☑ Reporting Status

Priority Categorization Options:
⊙ Both Primary and Secondary   ○ Primary Only   ○ Secondary Only

☑ **Patient-Centered Care (120)**
☐ **Safety (101)**
☐ **Chronic Conditions (81)**
☐ **Seamless Care Coordination (30)**
☐ **Equity (0)**
☐ **Affordability and Efficiency (83)**
☐ **Wellness and Prevention (65)**
☐ **Behavioral Health (69)**

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Depicted here is a wireframe of how the filters of the Cascade of Meaningful Measures will be displayed using an *expandable menu* to select several different priorities at once. There is an option to view primary/secondary categorizations only, with the default filter including all options. As with current CMIT filters, the numbers in parentheses next to each category represent the number of program-specific measure versions that qualify in each categorization.

Program-Specific Version Level Filters

CMIT 2.6 Key Updates

- The updated CMIT 2.6 release will improve and simplify user experience by:
  - Updating terminology and introducing intuitive IDs
  - Integrating Cascade of Meaningful Measures categorization
  - ▶ **Additional enhancements**
    - Improving search functionality and additional enhancements to improve user experience
    - Incorporating CMS Innovation Center model and demonstration measures

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Additional Enhancements

New areas added to the updated CMIT 2.6:

- Inclusion of active CMS Innovation Center model and demonstration measures

- Care Compare information included within rulemaking program-specific versions

- Improved search functionality

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CMS Innovation Center
Models and Demonstrations

- Accountable Care Organization Realizing Equity, Access, and Community Health Model (ACO REACH)

- Bundled Payment for Care Improvement Advanced Model (BPCI-A)

- Community Health Access and Rural Transformation Model (CHART)

- Comprehensive Care for Joint Replacement (CJR) Model

- ESRD Treatment Choices Model (ETC)

- Independence at Home (IAH) Demonstration

- Integrated Care for Kids Model (InCK)

- Kidney Care Choices (KCC)

- Maryland Total Cost of Care Model (MDTCOC)

- Oncology Care Model (OCM)

- Pennsylvania Rural Health Model (PARHM)

- Primary Care First Model (PCF)

- Value in Opioid Use Disorder Treatment Demonstration Program (ViT)

- Vermont All-Payer Accountable Care Organization Model (VTAPM)

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This slide lists the current CMS Innovation Center models and demonstrations that have now been included in this updated version of CMIT.

Care Compare Settings

Doctors & clinicians	Hospice care
Hospitals	Inpatient rehabilitation facilities
Nursing homes including rehab services	Long-term care hospitals
Home health services	Dialysis facilities

Combined Care Compare settings with their rulemaking partner programs to simplify inventory views and ensure accuracy

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CMIT has combined those measures present within CMS' Care Compare tool within their rulemaking programs to ensure the inventory is accurate and as simplified as possible.
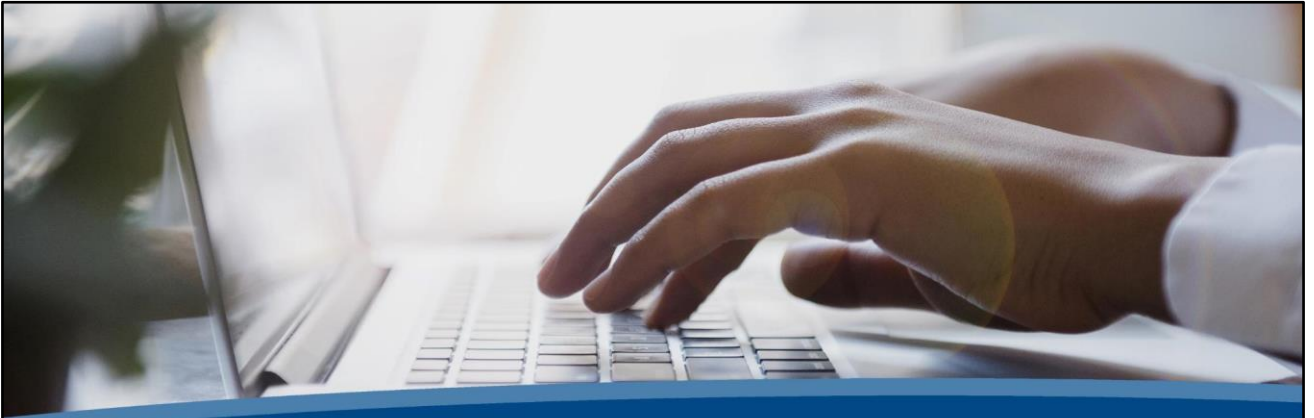
Demonstration

Viewing All Active Measures

- The default view is to display active measures for all programs and initiatives in the inventory.

- Active measures are defined as being included (i.e., voluntarily or mandatory) in data reporting to one or more CMS programs or initiatives

Using the CMIT Search Bar

- How-to best search:

    - **Any** – Individual terms will be searched separately and return if any word is present

    - **All** – Individual terms will be searched separately but only return if all are present in any order

    - **Phrase** – The entirety of the phrase will be searched together. This method is preferred for searching CMIT IDs.

Using the CMIT Search Bar (cont.)

- To add filters, select the desired criteria and click the yellow "add filters" button to display the results

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Selected filter values are combined using "or" logic between values within a filter and "and" logic between different filters and with the search terms. The numbers beside each filter value indicate how many measures in the current results have that value after the search terms and selected filters are applied.

Customizing Your View

Table View   **List View**

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Results may be be viewed in "table display" format which is the default, or the "list display" view. Use the "display format" button to change to your view preference.

Measure View

By default, the results are displayed grouped by measure. If you wish to group the results differently, click on the "group by" dropdown button.

Program-Specific Version View

Measure Variation View

Viewing Pre-Filtered Searches

CMIT supports the exploration of measures through pre-filtered searches for quick access to selected popular topics and views

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Viewing Cascade of Meaningful Measures

The Cascade of Meaningful Measures will display both the primary and secondary priorities, goals, and objectives outlined in a purposeful cascade to show the steps of each category.

Viewing Cascade of Meaningful Measures (cont.)

There is an expandable menu where one or more priorities can be selected to view at once

Priority and Goal Categorization Options:

- Both Primary and Secondary
- Primary Only
- Secondary Only

+ Patient- Centered Care (120)
☑ Safety (101)
  ☑ Preventable Harms (75)
  ☑ Safety Culture (0)
  ☑ Workforce and Caregiver Safety (0)
  ☑ Safety for Special populations (25)
+ Patient- Centered Care (120)
+ Seamless Care Coordination (30)
+ Equity (0)
+ Affordability and Efficiency (83)
+ Wellness and Prevention (65)
+ Behavioral Health (69)

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There is an option to view primary or secondary categorizations *only*, with the default filter including all options. The numbers in parentheses next to each category represent the number of program-specific measure versions that qualify in each categorization.

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Comparing Measures

Up to *three* measures can be compared at one time. To select a measure to compare, press the "add" button to the right of the measure in the table view. To view the measures you wish to compare, open the "measure comparison" box in the lower right of your screen and then click on the "compare" button.

Comparing Measures (cont.)

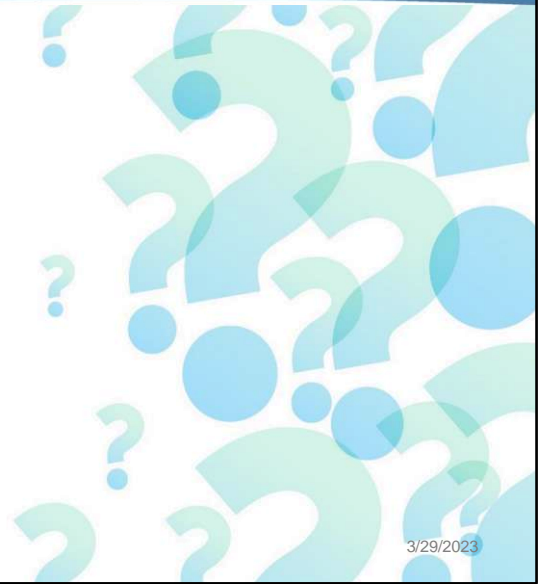You will see a screen that shows the measures side by side by field. Differences in the fields will be highlighted

Questions

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Announcements

MMS Information Session

- **Date**: 2 – 3 p.m. (ET) May 24
- **Topic**: "Testing Topic Roundup"
- **Register**:
  https://www.zoomgov.com/webinar/register/WN_5rq8QO8WS1KLLCGsM4JAFw
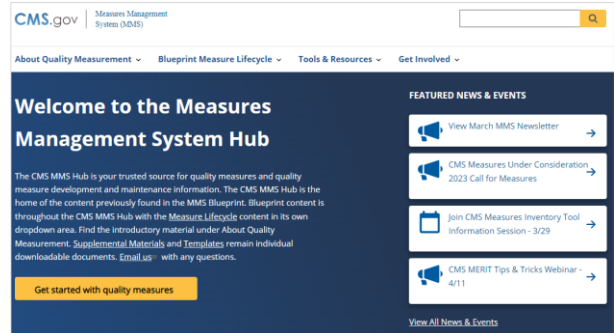
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Learn More & Get Involved

CMS MMS Hub

Visit **mmshub.cms.gov** for:
- CMIT and other quality measurement resources,
- Latest MMS news and events
- Opportunities to get involved in quality measurement through public comments and participation in technical expert panels

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CMS
Melissa Gross
Melissa.Gross@cms.hhs.gov

Angela Wright
angela.wright@cms.hhs.gov

Gequincia Polk
gequincia.polk@cms.hhs.gov

MMS
Email: **MMSSupport@battelle.org**
CMS MMS Hub: **mmshub.cms.gov**

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