



**Flex
Monitoring
Team**

University of Minnesota

University of North Carolina at Chapel Hill

University of Southern Maine

CAHMPAS – What's New and What's Next?

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CAHMPAS

Critical Access Hospital Measurement & Performance Assessment System

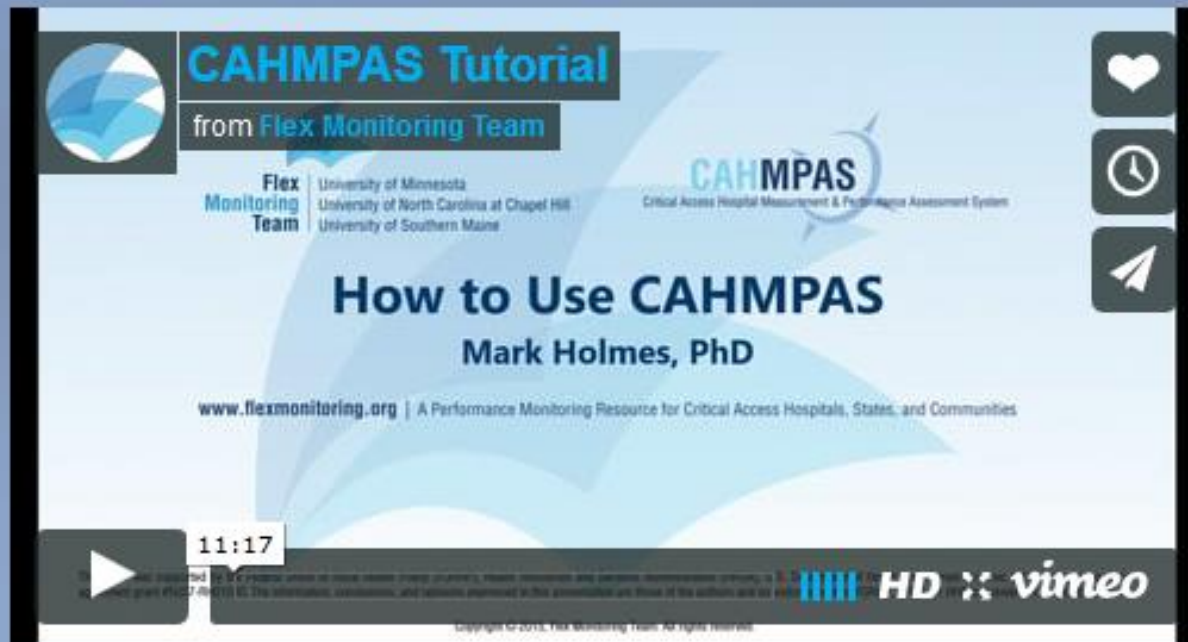
- Online data query tool created by FMT
- Provides graphs and data to compare CAH performance for various measures across user-defined groups



A Tutorial on How to Navigate CAHMPAS is Available at:

flexmonitoring.org

Tutorial video:



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Available Data

| Domain | Indicators | Data Source | Data Years |
|-----------|-------------------------------------|--------------------------------|-------------|
| Finance | 23 Financial/Operational Indicators | Medicare Cost Reports | 2010 - 2015 |
| Quality | 11 Patient Satisfaction Indicators | HCAHPS | 2013 - 2015 |
| Quality | 23 Quality Indicators | Hospital Compare | 2013 - 2015 |
| Community | 5 Market Indicators | CMS Hospital Service Area File | 2010 - 2015 |
| Community | 22 Community Indicators | County Health Rankings | 2012, 2014 |
| Community | 3 Uncompensated Care Indicators | Medicare Cost Reports | 2012, 2014 |

*Annual updates first quarter of each calendar year;
next update: 2016 data in March 2018



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What's New in CAHMPAS?

We've added several new features
to help you view and interpret the
data.



Monitor an Individual Hospital Over Time

To view an individual hospital's performance over time, choose "Add Hospital"

Custom Group Name: 21 Hospitals

State: Net Patient Revenue: Rural Health Clinic: Long-Term Care: Government Owned:

Single Hospital Selection

Show entries Search:

| CAHID | Hospital Name | City | Action |
|--------|---------------------|---------|------------------------------------|
| YS009 | Sample Hospital #9 | City 9 | <input type="button" value="Add"/> |
| YS008 | Sample Hospital #8 | City 8 | <input type="button" value="Add"/> |
| YS007 | Sample Hospital #7 | City 7 | <input type="button" value="Add"/> |
| YS006 | Sample Hospital #6 | City 6 | <input type="button" value="Add"/> |
| YS005 | Sample Hospital #5 | City 5 | <input type="button" value="Add"/> |
| YS0043 | Sample Hospital #43 | City 43 | <input type="button" value="Add"/> |
| YS0042 | Sample Hospital #42 | City 42 | <input type="button" value="Add"/> |
| YS0041 | Sample Hospital #41 | City 41 | <input type="button" value="Add"/> |
| YS0040 | Sample Hospital #40 | City 40 | <input type="button" value="Add"/> |
| YS004 | Sample Hospital #4 | City 4 | <input type="button" value="Add"/> |

Showing 1 to 10 of 1,503 entries

Previous ...

Next



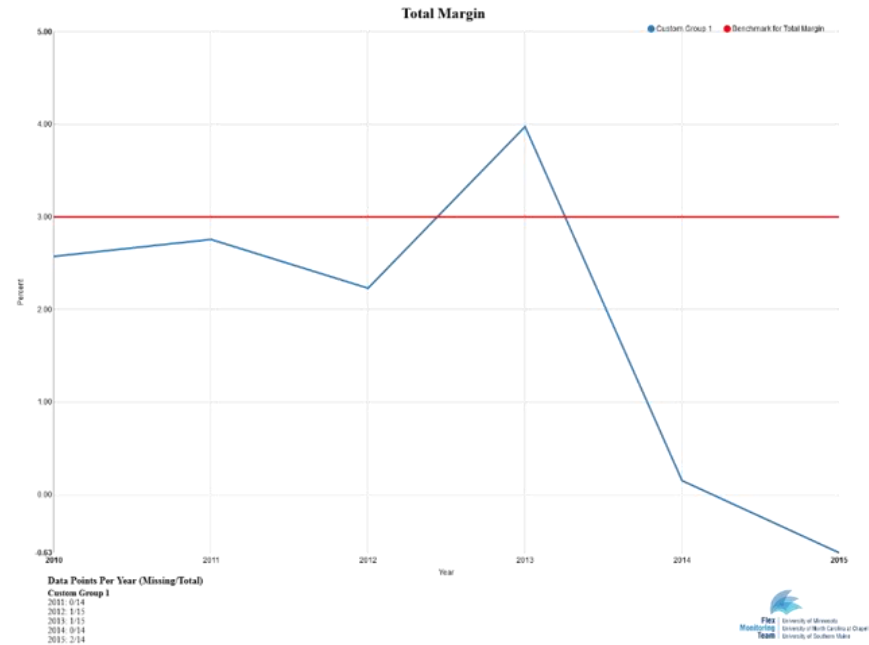
View the Number of Missing Data Points in Each Year

The number of missing data points will display at the bottom of each line graph.

Data Points Per Year (Missing/Total)

Custom Group 1

2011: 0/14
2012: 1/15
2013: 1/15
2014: 0/14
2015: 2/14





View Indicator Median Values at the Bottom of Each Bar Graph

Medians display will include the median value (color coded) for:

1. Each custom group
2. All CAHs in the U.S. with valid, non-missing data

- Custom Group 1
- Sample Hospital #43
- Missing
- US Median

Medians

-1.42

3.08

3.08



View State Medians

Custom Group Name: Custom Group 1

84 Hospitals

State KS

Net Patient Revenue All

Rural Health Clinic All

Long-Term Care All

Government Owned All

Data from Year 2015

Add Group Add Hospital Draw Graph

For each indicator of interest, define a custom group as all hospitals in the state.

The custom group median displayed at the bottom of the bar graph will equal the state median.



See the Custom Group Definition at the Bottom of the EXCEL file when you “Save Data as CSV”

| |
|---|
| Custom Group 1: state IA; year 2015; govt owned - all; long term care - all; net pat rev - all; rural clinic - yes; |
|---|

When you define a custom group and download the raw data, your parameter choices defining the group will display at the bottom of the EXCEL file to help you remember what the data reflect.



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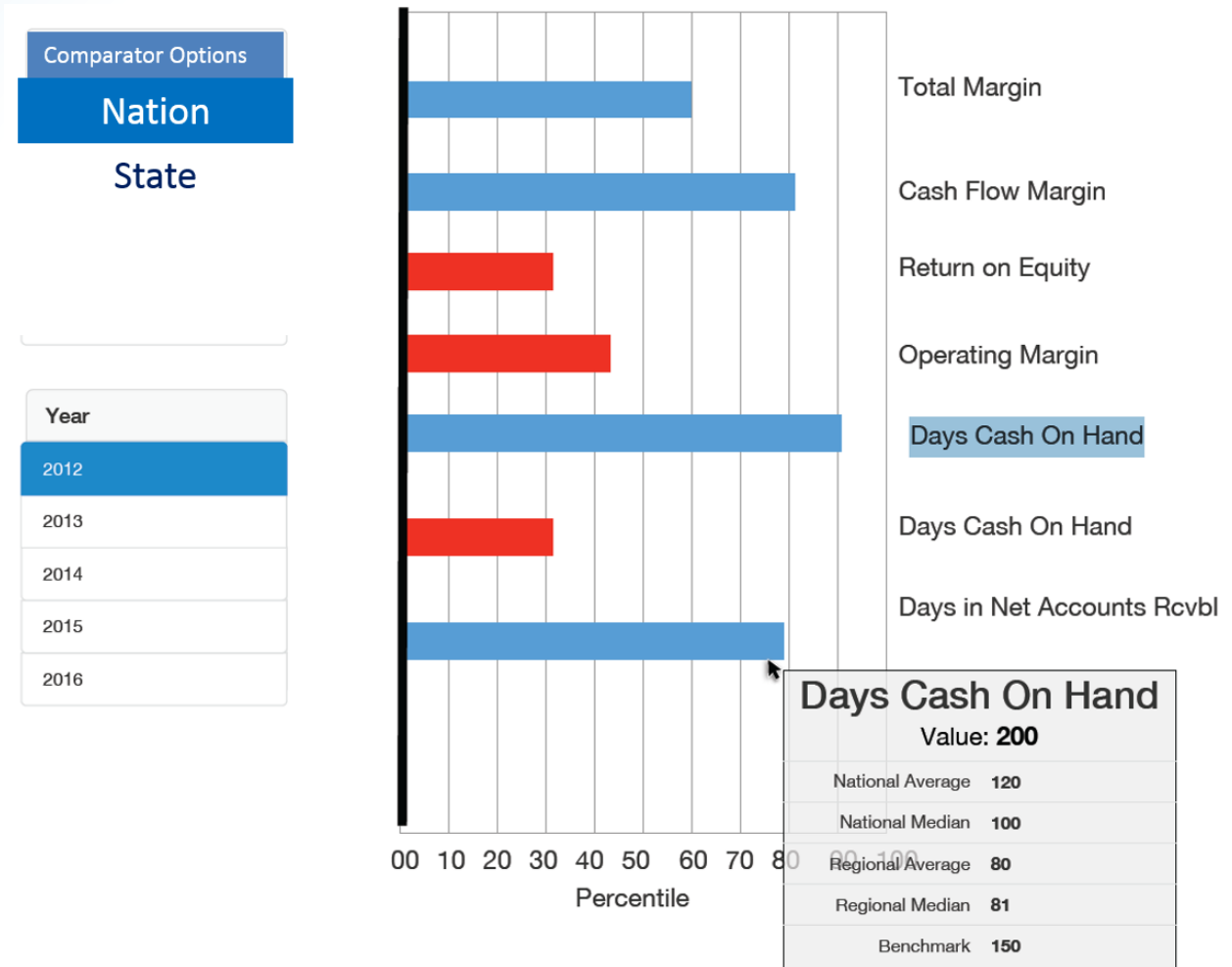
What's Next for CAHMPAS?

We're working on enhancements
to help you monitor your
hospitals.



Developing a Hospital “Dashboard”

By domain, visualize a hospital's performance on all indicators at one time. Performance displayed as “percentile” in which hospital's indicator value falls relative to a comparison group. Click on the indicator name to view actual value compared to benchmark and median values.





Developing a Systematic Way to Draw SFC Attention to Performance by Hospital and by Indicator (example)

HOSPITALS:

- For a given state / year, list each hospital in order of # of benchmarks met
- Click on an individual hospital's name to see that hospital's dashboard

| |
|---------|
| 0 - 1 |
| 2 - 9 |
| 10 - 11 |

INDICATORS:

- For a given state / year, list indicators that have benchmarks in order of the percent of hospitals in the state meeting benchmark
- Click on indicator name to be taken to bar graph display of values for all hospitals in the state

| |
|------------|
| 0% - 25% |
| 26% - 75% |
| 76% - 100% |



We Need Your Input

Models presented are just prototypes. **We want your ideas.**

- What do you think about the models presented? What is confusing? What is helpful?
- Would you want to see all financial indicators on one dashboard or indicators by category (profitability, liquidity, etc.) – tradeoff is size of display/printability vs. comprehensiveness
- Are there “rules” that you use to identify hospitals or indicators that need your attention?
- Do you like color coding of performance? How would you define “red”? Percentile, benchmark met/not met, # of standard deviations from mean? Other?



Moving Forward

Next step is development and testing of financial indicator dashboard and monitoring system. Once that is in place, we will move on to quality and community dashboards / monitoring systems. Again, we would love to hear your ideas.



CAHMPAS Financial, Quality and Community Indicators

Help to identify:

- Questions to ask
- Issues to address
- Problems to solve

Do not necessarily provide:

- Answers
- Explanations
- Solutions



SFC Actions

- Need to look under the hood at things like:
 - Service lines (e.g., surgery, swing beds)
 - Staffing patterns
 - Revenue cycle effectiveness and efficiency
 - Cost reporting
 - Rates of referral or bypass
 - Relationships with physicians
 - Operating efficiency
 - Quality improvement capacity
 - Information technology
- To identify opportunities for:
 - Consultation
 - Education
 - Learning collaboratives
 - Facilitation
 - Policy



Questions / Comments:



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THANK YOU!

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