



Improving Attribution Models

Advisory Panel Conference Call

July 10, 2018

Welcome and Introductions

Agenda

- Welcome and Introductions
- CSAC Debrief
- Finalize White Paper
- Attribution Model Selection Guide Improvements
- Input on Future Directions
- Member and Public Comment
- Next Steps
- Adjourn

Advisory Panel

- Ateev Mehrotra, MD, MPH
- Elizabeth Drye, MD, SM
- Danielle Lloyd, MPH
- Daniel Muldoon, MA
- Jennifer Perloff, PhD
- Brandon Pope, PhD
- Jack Resneck, MD
- Srinivas Sridhara, PhD, MS

CSAC Debrief

CSAC Debrief

- Staff presented the project's findings to the Consensus Standards Approval Committee (CSAC) on June
- Key takeaways:
 - *Emphasized the importance and timeliness of this work.*
 - *Recognized the challenges of accountability versus attribution and the potential role for NQF in evaluating these concepts as part of measure endorsement.*
 - *Supported the recommended improvements to the Attribution Model Selection guide geared towards simplification and clarification of key terms.*
 - *Noted the few number of public comments received; recommended NQF do more to promote in the future.*

Finalize White Paper

Finalize White Paper

- Staff updated the white paper based on public comments and the Panel's May 30 discussion
- The updated draft was circulated for Panel review
- Key changes in this draft included:
 - *Clarifying the aims of white paper*
 - *Strengthening the evidence required to support an attribution model from conceptual to empirical*
 - *Updating strategies to prevent unintended consequences*
 - *Adding a summary of public comments received*

Expert Panel Discussion

Lead Discussants: Ateev Mehrotra, Jennifer Perloff, Brandon Pope

- Does the Panel have any final feedback on the white paper?

Improvements to the Attribution Model Selection Guide

Selection Guide Improvement Recommendations

- Divide the current guide into two products:
 - » A guide for specifying and designing an attribution model, and
 - » A guide for evaluating an attribution model.
- The attribution evaluation guide should incorporate algorithms for determining appropriate decisions made in the design of the model based on its use.
- The attribution specification guide should provide examples of responses to the required elements and algorithms to assist with design decision points in developing a model.
- The guide should include more real world examples and highlight potential attribution decisions for specific situations.

Selection Guide Improvement Recommendations (continued)

- Clarify the following questions in the current guide in the context of the evaluation or specification of attribution models:
 - *Elucidate terms such as “multiple units”*
 - *Reduce potential overlap between questions*
 - *Address potential redundancies with NQF’s measure submission form*
- Explore automated, online, and other electronic options to make the form easier to use

Expert Panel Discussion

Lead Discussants: Elizabeth Drye, Danielle Lloyd

- Does the Panel of other suggestions for improvements to the Attribution Model Selection Guide?
- What would the Panel like to see out of the Selection Guide in the future (e.g. electronic tool)?

Potential Future Directions

Evaluation of Attribution Models as Part of Measure Endorsement and Selection

- Consensus Development Process
 - *Current NQF evaluation criteria lacks guidance/specific criteria on how to perform a focused, systematic review or evaluation specific to the attribution approach*
 - *Including criteria for the evaluation of attribution models would enhance the NQF evaluation criteria*
- Measure Application Partnership
 - *Provide guidance on the selection of performance measures for federal quality initiatives*
 - *Measure Selection Criteria and preliminary analysis algorithm could be revised to consider the attribution of a performance measure in light of its potential use and the attribution model of the program.*

Other Potential Work

The Panel has suggested future work could:

- Evaluate models empirically
- Explore patient perspectives on attribution
- Explore the impact new data sources, improved health information technology

Expert Panel Discussion

Lead Discussants: Dan Muldoon, Jack Resneck, Srinivas Sridhara

- Does the Panel have suggestions for future work on attribution?

NQF Member and Public Comment

Next Steps

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Next Steps

- Final white paper is due 8/31

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Questions?

Thank you