

## NATIONAL QUALITY FORUM

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## CARDIOVASCULAR STANDING COMMITTEE

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## CARDIOVASCULAR MEASURE ENDORSEMENT PROJECT 2015

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THURSDAY  
SEPTEMBER 10, 2015

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The Cardiovascular Standing Committee met at the National Quality Forum, 9th Floor Conference Room, 1030 15th Street, N.W., Washington, D.C., at 8:30 a.m., Mary George and Thomas Kottke, Co-Chairs, presiding.

PRESENT:

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THOMAS KOTTKE, MD, MSPH, Co-Chair, Medical Director for Population Health, Consulting Cardiologist, HealthPartners

SANA AL-KHATIB, MD, MHS, Associate Professor of Medicine, Duke University Medical Center

LINDA BRIGGS, DNP, Assistant Professor, George Washington University, School of Nursing

LESLIE CHO, MD, Section Head, Preventive Cardiology and Rehabilitation, Cleveland Clinic

JOSEPH CLEVELAND, MD, Professor of Cardiothoracic Surgery & Surgical Director for Adult Cardiac Transplantation/Mechanical Cardiac Assist Devices, University of Colorado Denver

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THOMAS JAMES, MD, Chief Medical Officer, Baptist  
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1 P-R-O-C-E-E-D-I-N-G-S

2 8:36 a.m.

3 MS. VICALE: Good morning, everyone.  
4 We'd like to start Day 2 of the Cardiovascular  
5 Measure Endorsement Meeting. I'd like to ask our  
6 co-chairs, Mary George and Tom Kottke, to welcome  
7 everyone for the day.

8 CO-CHAIR KOTTKE: Well, welcome. I'm  
9 not going to say much more, we have a full agenda.  
10 Thank you all for showing up on time and I'll turn  
11 it over to Mary.

12 CO-CHAIR GEORGE: Yes. Thank you. And  
13 I just have one comment. Yesterday, we were doing  
14 a really good job of turning our microphones on and  
15 off, but sometimes it was a little bit hard to hear  
16 because you really weren't speaking into the  
17 microphone. So if you can remember to speak into  
18 the microphone, that would really help. Thank  
19 you.

20 MS. VICALE: Thanks, Mary and Tom. Next  
21 slide, please, yes. So before we get started, we  
22 wanted to just remind you all where the restrooms

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1 are, if you exit the main conference area past the  
2 elevators on the right. Today, our breaks are  
3 scheduled for 10:15 for 15 minutes and for 12:30,  
4 where we'll have lunch. Again, you'll see here on  
5 this screen the wi-fi network and the password to  
6 join that. And as a reminder, we do appreciate if  
7 you mute your cell phones during the meeting to  
8 reduce any noise. And we ask folks on the phone  
9 to keep your lines muted to reduce any background  
10 noise. Okay.

11 So just a few items that we wanted to  
12 recap from yesterday about the ground rules. I  
13 won't go through all of them, really just some of  
14 the more important ones. So during the  
15 discussions, we ask that you base the evaluation  
16 and recommendations on the measure evaluation  
17 criteria and guidance. And you are very well aware  
18 of this, however we did want to just mention it  
19 again. Again, please try to stay in the room for  
20 all of the meeting. And keep your comments concise  
21 and focused and clear. And please do indicate your  
22 agreement without repeating what's already been

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1       said.

2                   And we are mindful of the time today.  
3       We will again be using the time cards that we had  
4       used yesterday.   So if we hold up the yellow card,  
5       that means we have five minutes left for the  
6       measure.   And if we hold up the red card, that means  
7       we have two minutes left to review the measure.  
8       And we are looking at about 20 to 30 minutes per  
9       measure for the day.   We do, like Mary had said,  
10      ask you to please speak clearly into the  
11      microphones.   And for any measures that you may  
12      need to recuse yourself from, we just ask you to  
13      do that before the discussion of the measure.

14                   Again, I'm not going to go through the  
15      entire slide, however, we did want to remind you  
16      for the criteria, the Importance to Measure and  
17      Report, that's a must pass as well as the Scientific  
18      Acceptability of Measure Properties, that's also  
19      a must pass.   Okay.   Next slide.   So at this time,  
20      I'm going to turn it over to Jason Goldwater who's  
21      going to highlight a few notes for the eMeasure  
22      evaluation that we have coming up today.   Thanks.

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1                   MR. GOLDWATER: Thank you, Leslie, and  
2                   good morning, everyone again. So, I'm sure this  
3                   will be the highlight of your day, which is to learn  
4                   about how we evaluate eMeasures. Clearly what  
5                   everyone came to this meeting this morning wanting  
6                   to learn. So, I'll do my best to be as entertaining  
7                   as possible in the next five to ten minutes. As  
8                   all of you know, eMeasures have been around for some  
9                   time, this is certainly not a brand new concept.  
10                  eMeasures have really started in the mid part of  
11                  2000s with CMS initiatives and have grown since  
12                  that point in time. Some of the projects that we  
13                  have had over the last few months, there has been  
14                  a steady increase in eMeasures, particularly  
15                  around this topic area.

16                 And what we wanted to do today was to  
17                 just talk about how we evaluate eMeasures  
18                 independent of how the measure is evaluated  
19                 normally and things to look for when you consider  
20                 eMeasures today and in the future. And really sort  
21                 of how we look at eMeasures generally speaking.  
22                 eMeasures are considered separate measures from a

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1 traditional measure because it's generally based  
2 on a data source. Measures in the past,  
3 particularly around cardiovascular, a lot of you  
4 know that when quality measurement started two  
5 decades ago some of the first measures that came  
6 out were related to cardiovascular disease. And  
7 those measures were derived from generally  
8 claims-based data. And those paper measures have  
9 been around for some time.

10 eMeasures, and there's two types of  
11 eMeasures. There could be brand new de novo  
12 measures, and we heard about one yesterday that was  
13 being considered for the trial-use program. Or  
14 respecified measures, which is basically taking a  
15 paper measure that's been around for some time and  
16 may actually have an NQF number and has been  
17 endorsed previously that is being respecified into  
18 an eMeasure.

19 And what we mean by respecification is,  
20 it's utilizing a new data source to populate and  
21 report out on the measure, which could either be  
22 from a registry-based system or from an electronic

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1 health record. It is formatted very differently  
2 because it has to be transferred from one system  
3 to another, and I'll talk about those formats in  
4 a moment. And it evolves, obviously, with the  
5 science as well because as structure data is  
6 included within the EHR registry, the measure can  
7 evolve along with it.

8 We provide a technical review of the  
9 measure, clearly because of NQF's position, we  
10 don't obviously say whether we agree with the  
11 measure or endorse the measure or pass any judgment  
12 on the measure. We only do essentially a technical  
13 review, which involves several parts. The first  
14 is to make sure that the measure is formatted  
15 correctly. An Electronic Clinical Quality  
16 Measure has to be specified in what was known as  
17 the Health Quality Measures Format, or HQMF for  
18 short. Without delving into geek-speak as I said  
19 yesterday and as Helen knows I'm very fond of --

20 DR. BURSTIN: Very.

21 MR. GOLDWATER: Thank you, Helen. The  
22 HQMF is really an extensible markup language. And

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1 for those of you that do not know what that is, that  
2 is really how you connect to the internet. It's  
3 how you interact with the internet, it's how the  
4 internet transfers information from one system to  
5 another. We have a very defined format that an  
6 Electronic Clinical Quality Measure has to conform  
7 to.

8 It has to map elements of the quality  
9 data model, which means certain categories have to  
10 be filled, such as if it is an outcome measure,  
11 diagnosis has to be populated in one certain  
12 fashion, procedures, laboratory codes,  
13 medications, et cetera. It has to have value sets.  
14 And value sets are what are sort of known as the  
15 building blocks of measures. They basically  
16 represent a clinical concept. So bypass graft or  
17 bypass surgery would be a value set. And those  
18 value sets are encoded in a particular vocabulary  
19 or standard and measure Developers, as they will  
20 tell you today choose the value sets that best  
21 correspond with the intent of the measure.

22 When we do our assessment, we ensure the

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1 fact that the measure is formatted correctly, that  
2 it has the appropriate elements of the quality data  
3 model, that it has value sets, which are actually  
4 curated and maintained by the National Library of  
5 Medicine, and those value sets are published in the  
6 Value Set Authority Center. We make sure that  
7 those value sets are published, they're not draft  
8 or they're not proposed, they are published and can  
9 be used by any measure developer and they are  
10 nationally recognized. And then we check for the  
11 feasibility of the measure as well. A measure  
12 developer has to send a feasibility scorecard and  
13 they have to provide justification as to why they  
14 are giving the scores that they are given.

15 The eMeasures are expected to meet the  
16 same criteria as all measures with some specific  
17 applications. The first, as I told you this  
18 yesterday, they have to test for reliability and  
19 validity within an electronic health records  
20 system. The old criteria used to be three or more.  
21 That proved to be challenging for some. So we  
22 switched that to more than one, so essentially two.

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1 So they have to choose two EHRs.

2 And as I was explaining yesterday,  
3 there are vendors that have similar record systems,  
4 but they are considered two separate EHRs. So the  
5 Epic system which is used for in-patient and the  
6 Epic system that is used for ambulatory care,  
7 although it is the same vendor and in many ways it's  
8 the same format, they are considered two separate  
9 systems. So if a measure developer were to test  
10 in-patient and out-patient using that, that would  
11 meet our criteria.

12 The feasibility assessment, in  
13 addition to how we normally assess feasibility, we  
14 also look to address that the data elements are  
15 correct and that the measure logic is calculating  
16 correctly. That we can derive from the testing  
17 data that is provided by the developer or in some  
18 cases, although this will not be the case today,  
19 that they can do a simulated test using tools that  
20 are provided by the MITRE corporation and we can  
21 evaluate the logic that way. The case for today,  
22 they will have actually tested in actual EHRs or

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1 registry systems and will be able to tell us through  
2 the results whether the data elements and measure  
3 logic were calculated correctly. Anything else?  
4 Sure.

5 MEMBER DELONG: Do you evaluate that or  
6 do we evaluate how well it does in more than one  
7 system?

8 MR. GOLDWATER: So, we evaluate whether  
9 they filled out the feasibility assessment. We  
10 examine the scores that they gave. And then we  
11 make sure that the justification is there. We do  
12 not assess whether it's adequate justification,  
13 that is something you need to be doing.

14 We basically -- so for example, if they  
15 scored something and had a scorecard and it was all  
16 threes, which means it's the highest score they can  
17 give, and they provide no justification for that,  
18 we have to send it back to the developer and say,  
19 you need to provide some reason for why you gave  
20 these scores because if we present this to a  
21 committee and they look at a feasibility scorecard  
22 and all they see are threes without any

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1       justification, it is very difficult for you to make  
2       an honest assessment as to whether the measure is  
3       feasible or not.

4               MEMBER     DELONG:     So     for     their  
5       justification, it would seem that they would supply  
6       data --

7               MR. GOLDWATER: Correct.

8               MEMBER DELONG: -- not just text saying,  
9       well this looked good to us.

10              MR. GOLDWATER: They would provide data  
11     from the testing and then they would provide  
12     summaries of the results of that testing, which  
13     would indicate whether the data was feasible or  
14     not.   Yes, ma'am?

15              MEMBER MITCHELL: Would you mind taking  
16     a moment and walking us through the BONNIE output  
17     pre-testing?   What is that?

18              MR. GOLDWATER: Sure.   So I'm going to  
19     get to that in this slide.   So that was rather  
20     serendipitous, thank you.   So, what we're looking  
21     at today are what we call re-tooled measures.   And  
22     I should say that we're not really fond of the word

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1 re-tooled and we really are not trying to move to  
2 respecified, because that's essentially what  
3 they're doing. They're not necessarily  
4 re-tooling the measure, they're just respecifying  
5 it to be electronic. And, again, they basically  
6 take an existing measure and they respecify it to  
7 be an Electronic Clinical Quality measure.

8 Current NQF policy considers eMeasures  
9 as a separate measure. However, both are used in  
10 federal programs, such as PQRS, Meaningful Use, and  
11 are using the same number. The eMeasure and the  
12 claims registry measure are considered separately  
13 in this particular evaluation because they're  
14 using two different data sources. The measure  
15 that is using registry data and the measure that  
16 is using electronic health record data are  
17 considered two separate measures and have to be  
18 evaluated separately.

19 The BONNIE testing tool, so let me just  
20 explain briefly what that tool is and then when we  
21 accept it. And I'm not sure that's the case today,  
22 because I don't think these are legacy measures.

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1 I don't believe they are from what I remember. The  
2 BONNIE testing tool was created by the MITRE  
3 Corporation and it was really designed for  
4 developers to test measures before they  
5 implemented them within their electronic health  
6 record.

7 And what you are able to do with BONNIE  
8 is create what's known as a synthesized data bank  
9 of patients. So you can basically create an N of  
10 50 of patients and you can determine the  
11 characteristics of those patients, you can  
12 determine the demographics of those patients,  
13 based on the measure that you're testing. You can  
14 then run the measure against that test data bank  
15 to see if the measure logic is calculating  
16 correctly. So is it excluding the individuals  
17 that it needs to exclude? Is it including the  
18 appropriate individuals in the numerator and the  
19 denominator? Is it making the appropriate  
20 exceptions as needed?

21 It is just designed to make sure that  
22 the logic is calculating correctly and that the

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1 measure's populating as it should. It is only a  
2 simulated test data bank though, it's not live  
3 patients. It's really to give us an idea that the  
4 way the measure is constructed was constructed  
5 correctly. And the BONNIE testing data is to  
6 provide that input. It was designed initially, of  
7 course, to allow vendors to test measures before  
8 they implemented them into their systems. But now  
9 it's been expanded to allow developers to test  
10 measures before they actually go through either  
11 live testing or in some particular cases, they can  
12 present BONNIE output here.

13 Now, where do we accept the output for  
14 BONNIE? There's only two situations in which we  
15 do that. The first is, yesterday when they do a  
16 trial-use measure. The reason a measure gets put  
17 into the trial-use program is because they are  
18 unable to do testing. But they can simulate  
19 testing through the BONNIE tool and make sure that  
20 the logic is calculating correctly, the numerator  
21 and denominator are being populated correctly, and  
22 the right exemptions and exclusions are being made.

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1           So, once that's done, they can then  
2     present those results here, not to say that if the  
3     measure is implemented in the trial-use program it  
4     will function appropriately. We don't know that  
5     until the measure is out in the field and being  
6     used. What we can say through the results of that  
7     testing are that the measure logic is calculating  
8     correctly so we know when it's implemented in the  
9     field, at least from the structural standpoint, the  
10    measure is working correctly. Liz first and then  
11    Judd.

12           MEMBER DELONG: So when they do that test  
13    using the BONNIE system, if it's a re-tooled  
14    measure, do they provide a comparison between what  
15    they got from the BONNIE application versus the  
16    original application?

17           MR. GOLDWATER: Yes. So one of the  
18    things that they should do when they're doing a  
19    respecified measure is they need to provide the  
20    output from the initial measure as well as what they  
21    got from the BONNIE tool, correct. Yes, sir?

22           MEMBER HOLLANDER: So if there's a

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1 conflict between what I'll call real data, with a  
2 little cynicism, and the BONNIE output, the real  
3 data should win, right?

4 MR. GOLDWATER: Yes, absolutely.

5 MEMBER HOLLANDER: Okay.

6 MR. GOLDWATER: Right. We would not use  
7 BONNIE as the basis for an endorsed measure. It's  
8 only to -- and that's only in the example of testing  
9 to make sure the logic is calculating. Yes, ma'am?

10 MEMBER MITCHELL: Just to clarify, the  
11 comparison is between the original specified  
12 output of the measure --

13 MR. GOLDWATER: Correct.

14 MEMBER MITCHELL: -- against the BONNIE.  
15 But then there's also the testing in the live EHR  
16 platform.

17 MR. GOLDWATER: Right.

18 MEMBER MITCHELL: So there's three  
19 buckets of data that need to be relatively aligned  
20 so that you feel confident in what you're seeing  
21 or no?

22 MR. GOLDWATER: No. So, BONNIE can only

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1 be used, in our policy, it can only be used in two  
2 separate occasions. One is with trial-use. The  
3 other is in what we're considering legacy measures.  
4 And this is basically a stop-gap solution. So a  
5 legacy measure is a measure that is actually being  
6 used in a federal program. So it's being used in  
7 PQRS or it's being used for public reporting or IPR  
8 or whatever it may be, and they're respecifying  
9 that into an eMeasure. That has also proven to be  
10 difficult to test.

11 So a solution that was provided for just  
12 those measures -- now, keep in mind, those are  
13 already endorsed NQF measures that are already  
14 being used in a national program and are being  
15 respecified into electronic measures. If that is  
16 the case and only if that's the case, they can use  
17 BONNIE and present the output to us. Any other --  
18 so if they create a de novo ECQM, they cannot use  
19 BONNIE. If they respecify a measure that's not in  
20 a national program, they cannot use BONNIE. They  
21 have to use the actual testing live data that has  
22 to be presented to you. They cannot use BONNIE as

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1 a substitute for that.

2 And once we get to the point where they  
3 can actually test these legacy measures,  
4 eventually we'll sunset that idea as well. But  
5 that's a ways away. So we don't use BONNIE, in  
6 other words, for -- it's not as if a developer can  
7 say, well, I can't test so I'll just use BONNIE and  
8 that's what I'll -- that, no, that doesn't happen.  
9 We only use BONNIE in one of those two situations.  
10 Any other questions?

11 CO-CHAIR GEORGE: So if we are presented  
12 with BONNIE output at this point, you have reviewed  
13 it and determined --

14 MR. GOLDWATER: That's correct.

15 CO-CHAIR GEORGE: -- that it was  
16 appropriate?

17 MR. GOLDWATER: Right.

18 CO-CHAIR GEORGE: Okay.

19 MR. GOLDWATER: We've done the  
20 assessment to make sure the logic is calculated  
21 correctly and everything is structurally sound,  
22 yes. That is not a judgment that we would ask the

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1 committee to make.

2 DR. BURSTIN: Just one potential comment  
3 and thanks, Jason, that was great. But part of  
4 what we're also trying to just make the distinction  
5 between is, the measures that are going to be used  
6 in some of the, for example, new measures to be used  
7 in CMS payment programs, you want to be sure they  
8 actually work in the EHR that people are using. We  
9 recognize that's a heavy lift at this point. So  
10 by putting things into eMeasure trial-use, as we  
11 talked about yesterday, there's an -- we're not  
12 saying it's endorsed, we're saying it's approved  
13 for trial use, please go out there, try it.  
14 Probably don't use it for those high stakes uses  
15 yet, because it's not ready.

16 And the ones that are kind of these  
17 legacy measures that have been around for a while,  
18 we're still trying to kind of go through that  
19 process and get them ready as best we can. But it  
20 is very much the idea that we recognize that even  
21 testing in an idealized simulated environment,  
22 certainly would have no recognition to anything I

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1 practice with and probably would be pretty  
2 different just even where the things were  
3 structured or not may be very different.

4 MR. GOLDWATER: And to follow on that  
5 comment, it was actually something that was made  
6 by one of my colleagues yesterday, which is if the  
7 committee is debating over the testing or the  
8 formatting of an ECQM, then we haven't done  
9 something correctly. That when we do the  
10 assessment and give it to you, that's all been done.  
11 The only that this committee needs to focus on is  
12 the actual criteria for evaluating a measure.

13 MS. MARINELARENA: So before we get  
14 started today, like Jason said, we evaluate these  
15 eMeasures as two separate measures, but we're only  
16 going to evaluate the eMeasure part today. And  
17 then on the call, we'll evaluate the measures as  
18 the original paper measures. Because I don't know  
19 that the rest of the lead discussants actually  
20 evaluated the paper measure version of it, so we'll  
21 give you some additional time and we'll follow up  
22 with you on that. Not sure how clear it was in the

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1 preliminary analysis that it was two separate  
2 measures. So technically we would have been  
3 voting on six measures rather than three. So we're  
4 going to do the eMeasure version today and then on  
5 the follow-up call we'll do the original version  
6 on the follow-up call.

7 CO-CHAIR KOTTKE: Okay.

8 MEMBER MITCHELL: I'm sorry, can I ask  
9 a question?

10 CO-CHAIR KOTTKE: Yes.

11 MEMBER MITCHELL: So the materials that  
12 we received for those of us who evaluated the  
13 eMeasures, was only about the eMeasure, correct?

14 MS. MARINELARENA: It's both in there.  
15 They do have -- right. So they provided the  
16 eMeasure version and the specs and all that in the  
17 attachments. But then there's also the tested  
18 information for either the registry. It was both  
19 in there, but it wasn't that clear and the  
20 preliminary analysis was sort of combined. So it  
21 wasn't that clear. So if you just did the eMeasure  
22 portion, that's fine. That's what we're going to

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1 do today and then we'll follow up with you  
2 afterwards.

3 CO-CHAIR KOTTKE: Okay. The first  
4 measure of the morning is 0070, Coronary Artery  
5 Disease: Beta-Blocker Therapy - Prior Myocardial  
6 Infarction or Left Ventricular Systolic  
7 Dysfunction, from the AMA-PCPI. A brief update or  
8 description please?

9 DR. RADFORD: Good morning. My name's  
10 Dr. Martha Radford. I'm a cardiologist and I'm a  
11 member of the Executive Board of the AMA-PCPI.  
12 I've been doing quality performance measurement  
13 and improvement for 20 years. And I just want to  
14 say that these measures -- I'm going to talk about  
15 the three measures. This is the introduction for  
16 three measures. Coronary disease and heart  
17 failure are certainly very important, impactful  
18 diseases. These measures are adapted from  
19 measures that have been developed and in place  
20 really for 20 years, but endorsed by NQF since 2003.  
21 And these are the eMeasures and they're focused on  
22 out-patient care to a certain extent with some

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1 in-patient input.

2 The evidence base on these measures is  
3 extremely strong and, again, been in place for at  
4 least 20 years. And any cardiologist would  
5 consider these motherhood and apple pie measures  
6 really. So, that's -- they've been tested  
7 extensively in regular records and as much as  
8 possible in e-records by the AMA-PCPI, which has  
9 done a lot of testing, or more than anybody else,  
10 in the e-environment. And I'll say -- I'll end my  
11 remarks there for the three measures.

12 CO-CHAIR KOTTKE: Thank you. Our  
13 discussants are Leslie and Judd. Leslie, are you  
14 the primary?

15 MEMBER CHO: Good morning, everybody.  
16 So this is the Coronary Artery Disease:  
17 Beta-Blocker Therapy - Prior Myocardial Infarction  
18 or LV Systolic Dysfunction with EF less than 40  
19 percent. So before we get started, I just have a  
20 couple of questions for the Developers. The  
21 measure doesn't specify how long the beta-blockers  
22 should be used if you just had prior MI.

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1 MS. TIERNEY: Yes. There is detail  
2 within the measure specifications and actually in  
3 the denominator that the prior MI has to have  
4 occurred within the past three years.

5 MEMBER CHO: I read that. But does that  
6 mean that if you had a heart attack three years ago  
7 and this is year four, that we're not going to give  
8 beta-blockers? They're not considered in the  
9 denominator?

10 MS. TIERNEY: It means you're not  
11 considered in the denominator, correct.

12 MEMBER CHO: Okay. The second question  
13 I have is that this measure has been endorsed since  
14 January of 2009, recent re-endorsement in 2012, and  
15 we still don't have the performance data from the  
16 eMeasure. Why is that?

17 MS. TIERNEY: So the eMeasure has -- Kim  
18 maybe you can speak to how long the eMeasure has  
19 been around.

20 MS. SMUK: So the eMeasure has been use,  
21 I believe there was a version available through the  
22 PQRS EHR option. And then it was evolved and it

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1 took some different pathways, but the eMeasure is  
2 now available and in use in Meaningful Use. And  
3 because both of those are government programs, we  
4 don't necessarily have access to that data. And  
5 CMS doesn't publish the EHR data in the same fashion  
6 they do with the PQRS claims. So that is not widely  
7 available.

8 MEMBER CHO: So we are going to -- I just  
9 want to understand that we are going to talk about  
10 an eMeasure for which we do not -- we'll never have  
11 a performance gap information on the eMeasure? Or  
12 that will be very hard for us to get a performance  
13 gap from the eMeasure?

14 MS. TIERNEY: So I think Kim described  
15 it well. I think the Meaningful Use program  
16 currently doesn't provide performance data at all.  
17 So I'm not -- I'd say as the MACRA legislation rolls  
18 out and with the onset of the MIPS program, which  
19 is going to be an attempt to combine PQRS and  
20 Meaningful Use, there probably will be publically  
21 reporting of performance data on Meaningful Use EHR  
22 measures. But that probably won't happen until

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1 2017 or 2018.

2 CMS occasionally will give us  
3 confidential performance data and so we have given  
4 you some performance data. They also publish  
5 experience reports as well and we've given you the  
6 data from that. But, again, they currently report  
7 that on the claims or registry versions of the  
8 measures and not necessarily the eMeasure versions  
9 of the measures.

10 MEMBER CHO: I don't know. I'm having  
11 a philosophical debate about endorsing a measure  
12 for which we don't have a performance gap. I  
13 understand the registry we will have a performance  
14 gap. But I'm a little ambivalent about not having  
15 a performance gap, I think you can all understand  
16 my angst here, right? So, okay. So my third  
17 question is, is why is active heart failure not  
18 included in your exclusion criteria?  
19 Beta-blocker use for patients who are in active  
20 heart failure regardless of whether they have had  
21 heart attack or not, EF less than 40, I looked  
22 through your exclusion criteria, it doesn't

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1 specify active heart failure.

2 DR. RADFORD: I believe you're referring  
3 to decompensated heart failure. Again, this is a  
4 difficult concept in an e-environment. And this  
5 is meant to be --

6 MEMBER CHO: But not in the --

7 DR. RADFORD: -- a chronic care measure.

8 MEMBER CHO: -- ICD-9 or 10 world where  
9 you can actively code in an out-patient setting  
10 whether patient is in heart failure, currently in  
11 heart failure and cannot get beta-blockers.

12 MS. TIERNEY: So the other thing to add  
13 is that the PCPI methodology includes three broad  
14 types of exceptions. So there's a medical  
15 exception and we have hard-coded the examples that  
16 we've listed in the measure. And those are based  
17 on clinical evidence and the expertise of our work  
18 group who developed the measure. But there's also  
19 this other medical reason option and so certainly  
20 if a physician did not prescribe the beta-blocker  
21 because a patient was in decompensated heart  
22 failure, they could use the other medical reason

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1 exception to account for that.

2 MEMBER CHO: My other question is, is  
3 that you specified three specific beta-blockers  
4 for your CAD. So in your report, in your  
5 performance gap that you listed for the registry,  
6 is that for the three specific beta-blockers?

7 MS. TIERNEY: So just to clarify, so for  
8 this measure, there's two separate patient  
9 populations. There's the patient population who  
10 had a prior MI within the last three years. And  
11 because the guidelines do not specify a particular  
12 type of beta-blocker and there appears to be a class  
13 effect among beta-blockers, we do not require it  
14 be those three beta-blockers for the prior MI  
15 population. For the other population with the  
16 LVEF less than 40, we do require that it be the three  
17 beta-blockers that are recommended in the  
18 guidelines. I think that recommendation only came  
19 out in late 2012 with the new guidelines from ACC  
20 and AHA for stable ischemic heart disease.

21 And so the data that we've reported on  
22 the performance is actually from the 2013

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1       experience report, which would have pre-dated the  
2       guideline update and when we actually made the  
3       update to the measure. So the data that you have  
4       is more generic for just the prescription of  
5       beta-blockers in general and not specific to those  
6       three beta-blockers for that second population  
7       within the measure.

8               MEMBER CHO: The measure also requires  
9       that patients have two separate visits to the  
10      provider to have a provider-patient interaction  
11      before the beta-blocker use is considered. How is  
12      that time? What's the time specific between the  
13      two visits?

14             MS. SMUK: There's no requirement the  
15      two visits be separated by a given period of time.  
16      The only requirement we place on the two visits is  
17      that the two visits happened within the measurement  
18      period.

19             MEMBER CHO: The measurement period  
20      between 12 months of a heart attack?

21             MS. SMUK: No. Just the measurement  
22      period based on the program that it's implemented

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1 in. So that's just in a 12 consecutive month  
2 period, were there two visits? Regardless of when  
3 the condition was the CAD or any other factors.

4 MEMBER CHO: All right. So let's move  
5 on to -- I think I'm okay with all the questions  
6 and the answers that the Developers provided. I  
7 want to thank you for that. So we can move on to  
8 the discussion about the Coronary Artery Disease:  
9 Beta-Blocker for patients who have prior heart  
10 attack or LVEF less than 40 percent. As the  
11 Developers have provided, there is strong evidence  
12 from the guidelines on patients with LVEF less than  
13 40, numerous randomized control studies. And then  
14 also for patients with heart attack, the evidence  
15 is less clear after year one, but certainly there  
16 is some evidence up to year three. So I think on  
17 the Evidence aspect of the measure, I think it's  
18 very strong.

19 CO-CHAIR KOTTKE: Judd?

20 MEMBER HOLLANDER: I'm just going to  
21 ask, George sent around that article yesterday. I  
22 was on a train and not part of the discussion, so

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1 I was going to actually ask George to comment on  
2 how he thought that played into this measure and  
3 let the Developers address that.

4 MEMBER PHILIPPIDES: Yes, thanks. So  
5 there is evidence and meta-analysis most of the  
6 last few years suggesting that beta-blocker  
7 therapy was shown to be much more effective in  
8 pre-reperfusion. So a big heart attack, LV  
9 dysfunction, non-revascularize I think is a big  
10 part of it. Now, when we change our practice and  
11 everyone gets revascularized, if you're left with  
12 normal LV function and open coronary arteries, the  
13 benefit is much harder to show, even earlier on.

14 Having said that, I think that the  
15 guidelines do point out studies from a mixture of  
16 people, reperfusion, ATF perfusion and their  
17 overall recommendation is, well, we don't know, go  
18 to three years. So I think to be consistent, I  
19 would probably just stay with the guidelines. My  
20 prediction is the next set of MI and unstable  
21 heart failure guidelines might tweak that further.  
22 But for now, I think we should go by the guidelines

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1 as written.

2 CO-CHAIR KOTTKE: Okay. Thank you.  
3 Any other comment before we vote on Evidence? It  
4 sounds like the evidence is high. Let's vote on  
5 Evidence.

6 MS. IBRAGIMOVA: Importance to Measure  
7 and Report, 1A, Evidence Structure Process  
8 Intermediate Outcome, 1 High, only eligible if QQC  
9 submitted, 2 Moderate, 3 Low, 4 Insufficient. Can  
10 we revote?

11 MS. VICALE: Please just place your vote  
12 again. Thank you.

13 MS. IBRAGIMOVA: We have one more vote  
14 that we need.

15 MS. VICALE: Please ensure that you  
16 pointed it in the direction of Laura. We  
17 appreciate your patience, we're just having some  
18 trouble with the voting software. Bear with us,  
19 we're just going to work on getting this worked out.

20 MS. IBRAGIMOVA: Do we feel comfortable  
21 doing a hand vote? Okay. All of you voting High?  
22 Okay, High keep your hands up for me. One, two,

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1 three, four, five, six, seven, eight, nine, ten,  
2 11, 12, 13, 14, 15, 16. I got 16, 16. Okay.

3 CO-CHAIR KOTTKE: Thank you.  
4 Opportunity for Improvement. Leslie, please?

5 MEMBER CHO: So the performance gap was  
6 not provided for eMeasures. But performance gap  
7 based on the PINNACLE Registry still continues to  
8 show some performance gap between the years. It  
9 still is hitting around 70 percent. So there is  
10 still the room for improvement.

11 CO-CHAIR KOTTKE: Judd? Any further  
12 discussion on Performance Gap? Okay. Let's vote  
13 on Performance Gap -- Opportunity for Improvement,  
14 sorry.

15 MEMBER CHO: I hope when this measure  
16 comes back for re-endorsement, we will have some  
17 information about eMeasures. Because for us as a  
18 committee to approve a measure without  
19 understanding or having a performance gap, leaves,  
20 I think, both of us in not a good position.

21 DR. BURSTIN: Just so you know, Leslie,  
22 I've actually also contacted the folks at ONC and

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1 see if we can directly get a feed. I mean, this  
2 is national data and I don't understand why there's  
3 confidentiality concerns about national level  
4 data. So we'll see if we can get that back to the  
5 committee.

6 CO-CHAIR KOTTKE: I need some  
7 instruction from NQF. We don't actually have  
8 evidence on the eMeasure. So is it Insufficient  
9 with exceptions, is that what we have to conclude?  
10 Okay. So we'll go ahead and do a hand vote.

11 MS. IBRAGIMOVA: Well, we got it up, so  
12 let's see if it works this time.

13 CO-CHAIR KOTTKE: Oh, it works?

14 MS. IBRAGIMOVA: Yes. Well, I don't  
15 know. We'll see. Importance to Measure and  
16 Report, 1B, Performance Gap, 1 High, 2 Moderate,  
17 3 Low, 4 Insufficient. Well, we might have to  
18 revote, actually. We have one recusal.

19 CO-CHAIR KOTTKE: Don't we have two  
20 recusals?

21 MS. IBRAGIMOVA: Two recusals, yes.  
22 Can we just revote?

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1 CO-CHAIR KOTTKE: Revote, please.

2 CO-CHAIR GEORGE: Yes, we mistakenly had  
3 an extra vote on that one. Please revote.

4 MS. IBRAGIMOVA: So the results are, 25  
5 percent High, 75 percent Moderate, zero percent  
6 Low, zero percent Insufficient.

7 CO-CHAIR KOTTKE: Okay.  
8 Specifications, Reliability, and Reliability  
9 Testing. Leslie, please?

10 MEMBER CHO: So for Reliability, the  
11 eMeasure and registry specifications are not  
12 similar, is that correct? The Developers? They  
13 should be exactly the same?

14 MS. SMUK: It depends on the particular  
15 implementation and what that program requirements  
16 are. So while they capture the same clinical  
17 concepts and intent, a lot of it depends on the  
18 program and how they're implemented. Because the  
19 specifications will need to vary depending on the  
20 program.

21 MEMBER CHO: Depending on the EHR  
22 program, you mean? Like depending on whether it's

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1 Epic or something else?

2 MS. SMUK: No, not necessarily by  
3 vendor. But based on program. So some of the --  
4 like if you are implementing in a PQRS registry  
5 model, that would look different because they have  
6 different ways of capturing the clinical concepts  
7 rather than in an EHR. So that's where the  
8 variation comes from is based on, we call them  
9 PQRSisms. So every program has a different look  
10 and feel and way of capturing the same clinical  
11 concept just based on the program structure.

12 MEMBER CHO: I have a question about the  
13 exclusion criteria. Why is pacemaker an exclusion  
14 criteria for getting a beta-blocker?

15 MS. MARINELARENA: Now you're talking  
16 about the eMeasure version, correct? Because --

17 MEMBER CHO: Yes.

18 MS. MARINELARENA: -- that's the one  
19 that we're focusing on. Okay.

20 MS. SMUK: So in this measure, which is  
21 0070, which is CMS 145, the exception is actually  
22 that if the patient has an AV block, the patient

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1 cannot have a cardiac pacer.

2 MEMBER CHO: That makes no sense. That  
3 is -- this is why I keep on -- that's why I was asking  
4 you about the pacemaker thing. If they have an AV  
5 block, they should have a pacemaker for which then  
6 they can get a beta-blocker.

7 MS. SMUK: So the way that it's  
8 structured in our logic is that if you have an --  
9 maybe Dr. Radford can help us with this.

10 DR. RADFORD: Well, again, if they have  
11 AV block, that's an active problem.

12 MEMBER CHO: No, that's not how it's  
13 said. If it's an AV block comma, I understand.  
14 Right? I'm an interventional cardiologist. I'm  
15 with you. But if they have a pacemaker, it's an  
16 exclusion criteria.

17 MS. SMUK: In the logic, it's saying, if  
18 you have AV block -- in order to qualify as an  
19 exception, if you have an AV block, you cannot have  
20 a pacemaker to qualify as an exception. If you  
21 have an AV block and a pacemaker, you no longer  
22 qualify as an exception.

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1 CO-CHAIR KOTTKE: So, Leslie, it sounds  
2 like it's appropriate that if you have a pacemaker  
3 and AV block, you're no longer an exception and so  
4 you would be expected to have beta-blocker.

5 MEMBER CHO: Well, the exclusion  
6 criteria, if you go look at the worksheet. If you  
7 look at your worksheet, the Excel spreadsheet, it's  
8 listed as your exclusion. Yes. Look at your  
9 Excel flow sheet, please.

10 MS. SMUK: So you're looking at the value  
11 set spreadsheet?

12 MEMBER CHO: Correct.

13 MS. SMUK: Okay. So the value set  
14 spreadsheet cannot be used alone. These value  
15 sets are designed to be used in conjunction with  
16 the HTML/HQMF specification as Jason had alluded  
17 to. Those go hand-and-hand. And so just having  
18 a concept in the value set spreadsheet alone does  
19 not indicate then how it is incorporated into the  
20 calculation of the measure.

21 So in the HTML/HQMF piece, you'll see  
22 the logic and our logic says that, and AV block and

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1 not cardiac pacer and not cardiac pacer. So we  
2 have it applied at two different QDM levels. And  
3 so our intent here is to say in order to qualify  
4 and meet exception criteria, you would have to have  
5 an AV block and not cardiac pacer as defined by the  
6 values in that value set spreadsheet. And then,  
7 and not cardiac pacer, as defined by other values  
8 in that value set spreadsheet that coordinate to  
9 that value set title.

10 MEMBER CHO: So it's just AV block and  
11 not pacemaker?

12 DR. RADFORD: Right.

13 MEMBER AL-KHATIB: So the wording then  
14 in this document needs to be clarified if that's  
15 what you're stating. I mean, I hear what you're  
16 saying that those are like and statements in the  
17 algorithm that you're using, in the EHR. But I  
18 don't think this comes across that way in the  
19 document that we have in front of us. The way we're  
20 reading this is that if a patient has a pacemaker,  
21 they get excluded. So that just needs  
22 clarification.

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1           The other thing that I would add as an  
2       electrophysiologist is that there are different  
3       types of AV block. And so maybe being clear that  
4       you're talking about type two, second degree or  
5       third degree, again, with the ICD-10 codes, we will  
6       be able to get to that level of detail. Even in  
7       the ICD-9 codes, we have that level. But, for  
8       example, first degree AV block should not be an  
9       exclusion.

10           MEMBER CHO: Okay. So we'll move on to  
11       -- oh, go ahead.

12           CO-CHAIR KOTTKE: Liz? Turn on your  
13       mic.

14           MEMBER DELONG: You don't have to answer  
15       this question if everybody else understands, but  
16       I missed the previous discussion when you said --  
17       the way I interpreted it is that this measure gets  
18       customized for every different program that uses  
19       it in terms of its definition and implementation?

20           MS. SMUK: I think the best way to  
21       explain this, so it's the same measure. It's  
22       designed to capture the same grouping of patients

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1 and it's designed to be uniform in that fashion.  
2 But the way that the specification looks, feels,  
3 the formatting is what gets customized based on  
4 program. And how a medical reason exception is  
5 captured in one program may be different than how  
6 it's captured in another program based on either  
7 coding terminologies or how this is actually  
8 reported by a physician. So that's where the  
9 variation comes in is actually at the  
10 specifications level based on program  
11 requirements.

12 MEMBER CHO: My other question is, is  
13 that the reliability of this depends on how well  
14 somebody puts in their criteria. You know what I  
15 mean? Because you do some reliability testing,  
16 which you submit, it's variable between physicians  
17 who put in lots of information versus people who  
18 don't. So there is that huge sort of variation in  
19 the reliability depending on which data set, I  
20 guess, we're looking at, right?

21 MS. TIERNEY: So what I think you might  
22 be referring to and I think this is our, and I know

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1 we're not quite at testing, but this is the testing  
2 data that we provided related to the reliability  
3 performed on a signal-to-noise analysis of  
4 registry data. And what I think you're referring  
5 to is the fact that the reliability varied based  
6 on the number of events. So, the average was  
7 relatively high, 80 or 60 or something like that.  
8 And at the average number of events, the  
9 reliability was high. But at the minimum number  
10 that we assessed, at 10 events, the reliability was  
11 moderate.

12 So I think that's what you're speaking  
13 about. Which is a little different than I think  
14 the question about the different implementations  
15 and how the specifications differ a little bit.  
16 And I think Kim described it well. The only thing  
17 I would add is that the EHR can allow for much richer  
18 data, so for that reason alone, the EHR  
19 specification includes a lot more details and  
20 specifics than you would see in the registry  
21 specification because the registry cannot  
22 accommodate all of the richness of the data and the

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1 terminologies that are part of the electronic  
2 measure.

3 CO-CHAIR GEORGE: This just relates to  
4 the broad scope of exclusions that you have in I  
5 think all three of these measures. And I think we  
6 had a little bit of this discussion before, but it  
7 includes not just medical reasons, but patient  
8 reasons, including family situations. And the  
9 description of the exclusions says that it  
10 incorporates things that may not be relevant. And  
11 I know we've had some problems with this,  
12 particularly CSAC has had some problems with these  
13 broad categories of exclusions, for instance,  
14 income. And I'm wondering if you can speak to that  
15 because I do see it as being problematic.

16 MS. SMUK: So this is something that  
17 probably originated a while back, but I'll speak  
18 to the more recent way that this kind of evolved.  
19 And so when we were working through re-tooling  
20 measures, going from claims to eMeasures, and we  
21 were working with other developers as well, there  
22 was this -- the goal was to not have a tailored

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1 medical reason, patient reason, and/or system  
2 reason, wherever they're applicable for every  
3 specific measure. Because then you run into an  
4 infinite number of value sets, et cetera.

5 But also the reason we wanted to pick  
6 these broad lists, like medical reasons, is, A,  
7 because we didn't want to tailor it for each  
8 measure, but also that it allows reuse across  
9 measures, across measure developers, but it also  
10 allows that ability of the physician judgment to  
11 be able to make the call. And so there are concepts  
12 that may not be relevant to a particular measure,  
13 but you would have to trust that the providers would  
14 not be reporting those.

15 And so, a lot of this has to do with the  
16 fact that you would have to customize that list for  
17 every measure and there's an infinite possibility  
18 of subsets. And you would essentially have value  
19 sets that would have one concept and your measure  
20 would get very lengthy and it would be difficult  
21 to implement for that purpose. So we've tried to  
22 have a list that could be widely applicable across

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1 measures, across Developers, and across various  
2 clinical situations to allow for physician  
3 judgment, but then also from an implementation  
4 standpoint.

5 CO-CHAIR GEORGE: Can you give us  
6 examples of system reasons?

7 MS. SMUK: Let me pull up --

8 MS. TIERNEY: So system reasons are  
9 generally things that are outside the patient's  
10 control and the physician's control. So things  
11 that are -- we've counted financial reasons, like  
12 there might be concerns over, I don't know, a  
13 patient's ability to pay for a medication or  
14 something like that. So that would fall under the  
15 system reasons.

16 They are -- these three measures, but  
17 this measure in particular since this is the one  
18 we're talking about, we did do an analysis of the  
19 exception rates because of sort of the concern I  
20 think generally expressed their validity. And  
21 there was a study funded by AHRQ, which we've  
22 reported on in the testing section, where we looked

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1 at the frequency of the exceptions and they were  
2 found to be valid. We also looked at the medical  
3 record to see whether they could be validated. And  
4 so we found that generally they were used  
5 infrequently and they were valid.

6 And I think for this measure in  
7 particular, the percentage of exception reporting  
8 was 6.2 percent on average. And I think in our  
9 testing report, we have information about how many  
10 of those were medical exceptions, 84 percent were  
11 for medical reasons, 12 percent were for patient  
12 reasons, and 2.9 percent were for system reasons.  
13 So the system reason is used relatively  
14 infrequently, but it is primarily for financial  
15 reasons, insurance, things like that. I mean,  
16 with other measures, there may be other reasons,  
17 like a fluke shortage or something like that, but  
18 for this measure that doesn't apply.

19 CO-CHAIR KOTTKE: Am I recalling  
20 correctly that you give the physicians feedback if  
21 they seem to be --

22 MS. TIERNEY: Yes.

1 CO-CHAIR KOTTKE: -- quite deviant in  
2 the number of exceptions?

3 MS. TIERNEY: Yes. So we do recommend  
4 that physicians receive reports on their exception  
5 rates and that they document the actual reason for  
6 exceptions in the medical record or in the  
7 electronic system. The implementation of that is  
8 -- because of our -- this is how we recommend our  
9 measure be used, but we are not a measure  
10 implementor, so the implementation of that is out  
11 of our control, but that is what we recommend.

12 CO-CHAIR KOTTKE: Okay. Judd?

13 MEMBER HOLLANDER: So it doesn't appear  
14 to me that you have a minimum reporting threshold  
15 and your reliability as you spoke to it is moderate,  
16 but is below the cutoff that NQF exists of 0.7, it's  
17 0.65 if there's ten reporting events or fewer. So  
18 I have two questions related to that. Shouldn't  
19 this measure just exclude people that have had less  
20 than ten events since the reliability is bad?

21 And then the second thing is, you say  
22 two or more visits for a patient-provider

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1 relationship. Most of these people have a primary  
2 provider, a cardiologist, and maybe another  
3 doctor. Who does the measure get attributed to if  
4 within a three period or a one year period, they've  
5 seen four doctors two or more times? And so I think  
6 from a primary provider perspective, the  
7 cardiologist drives the decision making on these  
8 drugs.

9 So I think it's important to have  
10 clarity as to who gets attributed for doing this.  
11 I don't know too many family physicians who are  
12 going to put someone on beta-blockers when the  
13 cardiologist says don't do that. Whether it's  
14 right or wrong. So I want to get clarity around  
15 the small numbers and who it gets attributed to.

16 MS. TIERNEY: So with regards to the  
17 small numbers, I think, again, this is somewhat --  
18 I don't know if we could -- I certainly think we  
19 could explore whether or not there's anything we  
20 could include in our documentation that would  
21 recommend a minimum sort of number of events in  
22 order for the measure to apply. I have to admit

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1 I'm not sure I've seen that with other measures,  
2 so I'm not sure how feasible that is. But I think  
3 that's something we could consider.

4 I will say, just in looking at, and I'm  
5 not trying to get into different criteria, but in  
6 looking at publically reporting, for example, I  
7 know in the recent proposal from CMS that they've  
8 said that they're looking at physicians publically  
9 reporting on measures where physicians have had a  
10 minimum of 20 cases. So that would -- it seems like  
11 maybe the field is moving towards a certain minimum  
12 number of cases in order to apply a measure to that  
13 person.

14 But that is somewhat out of our control.  
15 I think we could certainly take it back internally  
16 and to our advisory committee and see if there's  
17 anything we can do from an implementation  
18 standpoint related to the minimum number of events.  
19 But I'm not sure that I've seen that yet in sort  
20 of the measure community.

21 MEMBER HOLLANDER: Well, I think we've  
22 seen it in other measures. But the specific

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1 relevancy to me right now is, it says 0.7 is the  
2 minimal accepted value and you give me a number  
3 that's 0.65. So if I don't know you can get above  
4 0.7, I should say you don't meet reliability  
5 thresholds. And since I'm going to have to vote  
6 in two or three minutes, I would say that's an  
7 important point of clarification that we kind of  
8 need to know now because I can't vote on maybe  
9 you'll change it, maybe you won't.

10 MS. TIERNEY: Right. I mean, one thing  
11 I will say just that the average was 61. So I mean,  
12 I'm not -- I think we'd have to look back at our  
13 data to see how the range fell in terms of how many  
14 had sort of the minimum. But the average was  
15 certainly quite a bit higher than the ten. The  
16 other thing, I guess, and I'd look to NQF staff to  
17 maybe advise on this, what you're speaking to is  
18 the registry data that we provided. And I know  
19 that there was an emphasis to just look at the  
20 eMeasure right now, and so I'm just not sure how  
21 much the registry testing should come into this  
22 discussion. I just defer to you as a staff to

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1       determine that.

2                   MS. WILBON: Right.       So just two  
3       clarifications. One, we don't generally have a  
4       threshold per se for reliability testing. I think  
5       0.7 is something that is generally accepted I think  
6       in kind of statistical and methodological testing  
7       that tends to be an acceptable number. So I think  
8       we probably have that number somewhere as a guide.  
9       But ultimately, it's up to the committee to  
10      determine what threshold of reliability based on  
11      the testing data that's provided by the Developer,  
12      whether or not that's acceptable in consideration  
13      of the other information and data that's submitted.

14                   In terms of the evaluation, we would  
15      like to try to stick to the eMeasure specifications  
16      at this point. I know that they're kind of mixed  
17      in there, the registry data and the eMeasure data  
18      may be mixed in there a little bit. So to the best  
19      of our ability if we could tease that apart and try  
20      to focus on the eMeasure, because we are going to  
21      have vote separately. So --

22                   MEMBER CHO: Even though we're voting

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1       separately, we're trying to pass the eMeasure  
2       without really any data from the eMeasure on  
3       Reliability. And so we have to actually use  
4       something, right? We have to use something. And  
5       so the something we're using is the registry  
6       unfortunately, or fortunately. So how -- so that  
7       is a quandary, right?

8                   MS. WILBON: Yes.

9                   MS. TIERNEY: So just to clarify, I mean,  
10       I think that this is what I think Jason described  
11       as a legacy measure. So, in terms of the  
12       requirements for reliability testing, my  
13       understanding is that we needed to provide testing  
14       from a live EHR, which we have. Ideally it would  
15       be from more than one system. Our testing data is  
16       only from one system, but when a legacy measure does  
17       not include information from more than one system,  
18       the BONNIE testing can help supplement that. So  
19       we do have testing on the eMeasure, it is presented  
20       in the testing attachment.

21                   CO-CHAIR KOTTKE: Sana?

22                   MEMBER AL-KHATIB: I'm trying to

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1       actually think how that would play out within the  
2       EHR system. So at Duke we use Epic. So are you  
3       thinking that all these elements that you need for  
4       this Measure will come from like the problem list?  
5       From the bidding list? From -- where would they  
6       come from? And I'm mostly concerned about the EF,  
7       because there's not a data element for the EF that  
8       we can capture today. Can you help us with that?  
9       And this actually applies to all three Measures.  
10      So -- thank you.

11                   MS. SMUK: Yes. And it's a good  
12      question. So a lot of it comes in with our  
13      specification does not dictate where data is  
14      stored, how it is stored, et cetera. So our HQMF  
15      specification is essentially a framework and a  
16      vendor implementor would have to either design  
17      their EHR system or dictate where in their system  
18      the data is pulled from. So, for example, some  
19      vendors, I mean, they may have to somehow develop  
20      a discrete field in their EHR to be able to pull  
21      an EF and to pull that to be able to extract that  
22      into -- to meet the criteria of the eMeasure. But

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1 we don't dictate how a system is designed, et  
2 cetera.

3 What an HQMF specification does is just  
4 say these are all the data elements we need, here's  
5 the algorithm to be able to calculate it. And the  
6 HQMF is like the codes, those are the codes that  
7 need to be reported in order to meet a Measure or  
8 for appropriate reporting. But those aren't  
9 necessarily the codes that have to be stored in your  
10 system. A system could also implement local codes  
11 and then they would just have to map them to the  
12 appropriate codes that are used in the  
13 specification for reporting purposes.

14 MEMBER AL-KHATIB: Thank you.

15 MS. SMUK: You're welcome.

16 CO-CHAIR KOTTKE: Okay. We just --

17 MEMBER CHO: For the testing, you were  
18 talking about the EMR testing that you did on 134  
19 patients? Is that what you're referring to, 134?  
20 Okay.

21 CO-CHAIR KOTTKE: So we got yellow  
22 carded here.

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1                   MEMBER CHO: Let's move on and let's vote  
2                   on Reliability. So I think we've had a lot of  
3                   discussion about reliability, I think at most we  
4                   can only vote moderate, it is not high. Given the  
5                   fact that -- all the issues we talked about today.

6                   MS.           IBRAGIMOVA:           Scientific  
7                   Acceptability of Measure Properties, 2A,  
8                   Reliability, 1 High, 2 Moderate, 3 Low, 4  
9                   Insufficient.

10                  CO-CHAIR KOTTKE: While people are  
11                  voting, I jawboned our Epic people into putting the  
12                  field in for ejection fraction so we can get it in  
13                  our system.

14                  MS. IBRAGIMOVA: So the results are zero  
15                  percent High, 56 percent Moderate, 38 percent Low,  
16                  six percent Insufficient. Which means it's in the  
17                  grey zone?

18                  CO-CHAIR KOTTKE: So that's grey zone,  
19                  but we continue. Correct?

20                  MEMBER CHO: So for --

21                  MS. IBRAGIMOVA: It is in the grey zone.

22                  CO-CHAIR KOTTKE: Validity?

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1                   MEMBER CHO: So for Validity -- are we  
2 moved on to Validity? So, it just basically  
3 indicates whether specification is aligned with,  
4 I think, the evidence and whether it's  
5 appropriately risk-adjusted with exclusions.  
6 We've talked a lot about exclusions and maybe  
7 changing the wording around it to make it better.  
8 So I think for Validity, I think it's moderate to  
9 high.

10                  CO-CHAIR KOTTKE: Judd?

11                  MEMBER HOLLANDER: Yes. I was going to  
12 fall on the other side of this one. And this one  
13 I have problems with validity that maybe you could  
14 help me through. So it did some BONNIE testing,  
15 but this was the question that I asked earlier on  
16 is that face validity it passes on the registry  
17 data. But on the eMeasure testing, the developers  
18 provided simple agreement for 134 patients, no  
19 kappa is provided, but it was only 82.8 percent  
20 simple agreement. That could be a kappa score  
21 that's horrible, I don't know what it is here.

22                  If the numerator criteria, if you only

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1 did EHR review, remembering that they only also  
2 used one EHR and two is recommended, if you do EHR  
3 review and manual review, you bump that number to  
4 92.5 percent agreement, which tells me that you're  
5 picking up at least another ten percent in the  
6 manual process. And without knowing kappa values  
7 and true inter-rater reliability, I think those  
8 agreement numbers are quite poor.

9 I also think I have problems with the  
10 fact that the data's been out there and it's  
11 double-top secret, but when I, and I know that's  
12 not your fault, but when I look at these numbers  
13 it raises concern to me. And it's one EHR without  
14 good numbers. So I actually see this as  
15 problematic rather than acceptable unless you  
16 could tell me something else besides we also did  
17 BONNIE testing because I think this overrides the  
18 BONNIE testing.

19 MS. TIERNEY: So I'm going to ask our  
20 testing colleague, who's in the back of the room,  
21 if he can speak to the reliability information we  
22 have provided from that EHR testing.

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1 CO-CHAIR KOTTKE: Can you come up to the  
2 mic, turn the mic on please?

3 PARTICIPANT: So the reliability, at  
4 least from our -- this mic? Yes, it's on. So the  
5 reliability from our standpoint, we found it to  
6 be at -- sorry. Sorry. The reliability testing  
7 that we performed, we found it at 90.3 percent.  
8 Okay, sorry. To address that, we found the  
9 reliability to be at 90.3 percent based on some of  
10 the testing that we did.

11 MS. TIERNEY: I mean, I think the other  
12 thing to point out is in determining sample size  
13 number, there are certain statistical  
14 considerations we take into account. So even  
15 though the number seems small, it is statistically  
16 significant. So I think that sometimes,  
17 especially when you look at the data that we've  
18 gotten from our signal-to-noise analysis, which is  
19 testing at the Measure score level, there's a large  
20 number of patients included in that and so the 134  
21 can seem quite small. But the type of testing  
22 that's done is a different type of testing at the

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1 data element level. So I think it's important to  
2 understand that distinction too and the fact that  
3 the 134 did produce statistically significant  
4 results.

5 MEMBER HOLLANDER: Well, so my issue  
6 isn't with the 134, it's with the 82 percent  
7 agreement in the 134. I mean, if we're going to  
8 use an eMeasure, then agreement should be high.  
9 And you can have 90 percent agreement and a kappa  
10 score that's poor. So at 82 percent agreement,  
11 it's my guess that if you gave me a kappa with a  
12 confidence interval, it would certainly overlap a  
13 range we wouldn't feel confident in using. And I  
14 don't have that data.

15 So I think, my gestalt without having  
16 the data that we specifically need is that it  
17 wouldn't meet the threshold there. And, again,  
18 it's not because of the 134, it's because of the  
19 likely kappa that would be around only 82 percent  
20 agreement. And we know there's at least an extra  
21 ten percent we pick up by manual review. We don't  
22 know how we could best find the other eight percent.

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1 But it seems to me there's a lot missing here that's  
2 concerning.

3 CO-CHAIR KOTTKE: Sana?

4 MEMBER AL-KHATIB: I just want to make  
5 one comment here. I mean, I completely agree that  
6 we should be targeting higher agreement rates and  
7 kappa statistics, but I would remind the group that  
8 yesterday we approved Measures where the kappa  
9 statistic was 0.55, 0.6. Just so we know. I'd  
10 like us to be consistent.

11 CO-CHAIR KOTTKE: Any other discussion?  
12 Are we ready to --

13 DR. RADFORD: I would like to make a  
14 remark --

15 CO-CHAIR KOTTKE: Yes.

16 DR. RADFORD: -- as a private citizen  
17 here, not as representing the AMA-PCPI. So, my day  
18 job is Chief Quality Officer at NYU, so I do a lot  
19 of quality performance measurement. We trying to  
20 move e in all areas and we're participating in CMS's  
21 experimental EQR program, which is extremely  
22 enlightening. And just to point out that eMeasure

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1 development is in its infancy. And we're not there  
2 yet. And NQF endorsement of the Measure,  
3 essentially the eMeasure concept, is an important  
4 step in that development.

5 There is no way that we can get fully  
6 reliable eMeasures without this iterative process  
7 that we're talking about. And it involves players  
8 from the provider community, the EHR vendor  
9 community, and the Measure Developer community in  
10 order to make this really work and really sing.  
11 But we are definitely not there yet.

12 MEMBER CHO: Should we not do a trial  
13 Measure? Should this not be a trial Measure until  
14 it works?

15 DR. RADFORD: Basically what I'm saying  
16 is, all EHR Measures that are endorsed right now  
17 are trial Measures.

18 DR. BURSTIN: Right. I think the  
19 distinction here is this is a Measure -- again, this  
20 is basically a legacy Measure of a program -- a  
21 Measure already in a program. So we can't call it  
22 trial-use. They have presented data that at least

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1 gets it over that bar. But certainly I think  
2 everyone would concur, there's a whole lot more  
3 work to do to understand performance in EHRs and  
4 hopefully getting some data from ONC will help  
5 there.

6 CO-CHAIR KOTTKE: Liz?

7 MEMBER CHO: Helen, just maybe for all  
8 of our sake, when we're asked to endorse a eMeasure  
9 without data, like the high standard NQF data that  
10 we've all come to accept, then perhaps it should  
11 be a different criteria than what we currently have  
12 been using for the other Measures. Because I think  
13 all of us are trying to struggle with -- and we agree  
14 that eMeasure is where we're going, but until we  
15 get there, to approve it based on all things that  
16 we have, validity, it's difficult.

17 DR. BURSTIN: It's a challenge. I think  
18 it's something we can continue to talk about. I  
19 think at this point, with those Measures already  
20 in programs and already endorsed for other --  
21 again, this isn't a new Measure. This is a Measure  
22 that's been around for a very long time. We have

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1 a very good understanding of how it performs in  
2 other data systems. And the question is, how much  
3 is that leap from one data platform to another going  
4 to significantly change, I mean, not so much  
5 validity, just because I think validity in this  
6 instance, you do have face validity on the Measure  
7 itself, that at least gets it a moderate and  
8 reliability, you've got some evidence, at least  
9 from what they've provided, that it meets the bar,  
10 low as it may be, at least for those legacy  
11 Measures. But we'll take those considerations.  
12 Certainly I think it's a valid concern.

13 CO-CHAIR KOTTKE: Liz?

14 MEMBER DELONG: Well, I think there's an  
15 important distinction between the legacy Measure  
16 and this eMeasure that is in its infancy. And  
17 while it may perform very well as a legacy Measure  
18 where there is actual medical record review, we're  
19 talking about dependence on specifying fields in  
20 an electronic health record and that specification  
21 from one facility to another may be different and  
22 the data may be captured differently.

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1           So you can't say that because it  
2 performs well at the paper level, that the same --  
3 even though the concepts are the same, that it's  
4 going to perform well with this electronic  
5 algorithm. So it's not exactly saying, it works  
6 well here, so we should assume that it's going to  
7 work well there. It's not that simple.

8           DR. BURSTIN: Again, we agree. This is  
9 a really difficult space. I think we do have the  
10 eMeasure feasibility at least, demonstrating that  
11 those data elements can be found. They've done the  
12 assessment, that they're using accepted value  
13 sets. I mean, there are a series of at least check  
14 boxes along the way that give you a sense that it's  
15 getting closer. Would we love to have more data  
16 on its actual performance in multiple EHRs? Yes.  
17 And in some ways, keeping it out in the space helps  
18 us get there faster, I think was part of the  
19 argument we were hearing.

20           CO-CHAIR KOTTKE: I think --

21           MEMBER DELONG: I'd like to clarify what  
22 our --

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1 CO-CHAIR KOTTKE: Can I just --

2 MEMBER DELONG: -- role is here.  
3 Because an endorsed Measure, I would think would  
4 signify something. And we're basically -- we're  
5 approving Measures on the basis of data that aren't  
6 quite up to speed but they may get there. And we're  
7 now being asked to approve Measures that have no  
8 real experience. I would think -- I don't  
9 understand what the hurry is. Why do we not wait  
10 for a Measure to actually demonstrate validity and  
11 reliability and be in use? I don't understand what  
12 endorsement means if it's not ready for show time.

13 DR. BURSTIN: I think you've raised two  
14 important issues. The first is the reason we  
15 decided to do trial-use. We recognize it is  
16 really, really hard to get multiple EHRs to test  
17 Measures. Many of them can't do it yet, they're  
18 not available yet. It is clearly the rate limiting  
19 step for getting some Measures to market that are  
20 eMeasures. We recognize that. That's the first  
21 thing.

22 The second thing is really about should

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1 we call them endorsed? And this is really just the  
2 -- to be perfectly honest, this is an issue with  
3 these Measures kind of being pushed out very early  
4 on to meet early programmatic requirements. And  
5 the question is, how much do we expect of these  
6 early Measures that will likely change and get  
7 improved as EHRs change? And it is truly, I mean,  
8 I don't want to overuse the word, but it is a bit  
9 of a legacy.

10 Again, if you're not comfortable with  
11 that, we can further discuss it, but it is at least  
12 the policies we've agreed to for now across the work  
13 we do with the approval committee and others. And  
14 I think Jason may want to make a -- do you have your  
15 card up, Jason? You want to say something?

16 MR. GOLDWATER: Is this on? Great.  
17 So, to just follow with what Helen is saying and  
18 I'll make it very brief. The problems that you're  
19 bringing up are consistent problems in EHRs. This  
20 is not just germane to cardiovascular disease.  
21 That there are data quality issues in electronic  
22 health records and there have been for some time.

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1 And those aren't going to go away at this point in  
2 time. That the reasons those exist are numerous,  
3 that there are unstructured fields in EHRs, that  
4 not all of the data is captured, that not all of  
5 the data is captured the same way, that different  
6 vocabularies are used depending upon what they're  
7 trying to capture.

8 I think it was an excellent point that  
9 the data richness in an EHR is vastly different than  
10 what is in a registry because a registry generally  
11 relies on claims. Claims are designed to do one  
12 thing, to pay out a provider based on the services  
13 that they're delivering. An EHR contains far  
14 richer, deeper vocabularies which give a better  
15 sense of not only the diagnosis and the procedure,  
16 but everything that went along with it.

17 So if we're going to evaluate an  
18 electronic Measure off the basis of data quality  
19 within the EHR, that is going to be very challenging  
20 to do because you're going to have some of these  
21 persistent problems until we get to a point of  
22 standardized data elements within the system

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1       itself.     Which has been, as Helen knows, a  
2       longstanding issue that we are still working on  
3       trying to rectify.

4               So, I think the issue in evaluating an  
5       eMeasure to determine its suitability for  
6       potential endorsement really comes down to is the  
7       data being captured appropriately? Is the data  
8       found within the system that can populate the  
9       Measure appropriately? Are the correct value sets  
10      there that represent the intent of the Measure as  
11      well as the intent of what is being captured? And  
12      is the logic calculating correctly so that the  
13      performance of the Measure is adequately being  
14      displayed?

15             Those things you can tell off the basis  
16      of the assessments that are being delivered. If  
17      we're going to focus heavily on data quality  
18      issues, it's going to be incredibly difficult to  
19      push any type of electronic Measure across.

20             CO-CHAIR KOTTKE: Right. If I could  
21      just comment, not as Chair. I mean, I wonder if  
22      we're really contributing to the problem of poor

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1 data by endorsing a Measure that's not ready for  
2 endorsement. I mean, when I sat on the  
3 Preventative Services Task Force, we were asked to  
4 make decisions about like screening for prostate  
5 cancer without data simply because we were the  
6 experts. So are we contributing to the problem and  
7 saying, yes, it's good enough for the government?  
8 And then other people think that these are really  
9 good reliable Measures and in fact when we've sort  
10 of glossed over it. I don't know the answer.

11 MEMBER AL-KHATIB: Well, I mean, I think  
12 that I can assume that we all agree that we need  
13 eMeasures. I mean, there's no question that's  
14 where the future is. I think what we're struggling  
15 with is what criteria do we want to use to approve  
16 these eMeasures? And do we -- based on what we see,  
17 is that enough to approve the Measure? And you  
18 raised a good point regarding what will happen,  
19 let's say we all vote this Measure down today, what  
20 will actually happen to that Measure? How much  
21 will that set you back and is there a room for  
22 conditional approval or conditional endorsement?

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1                   MEMBER CHO: I'm still trying to figure  
2                   out why we can't do a trial Measure? I understand  
3                   this is an approved Measure, but we approved a  
4                   Measure yesterday for trial. And I would like to  
5                   trial this and see how things go. Because I firmly  
6                   believe if this was a paper Measure, you guys would  
7                   be out of here, we'd be done, you're thumbs up,  
8                   we're out of here. But the problem we're having  
9                   is this whole eMeasure concept. And so I would  
10                  like to approve you, but conditionally on a trial  
11                  basis. And I think for us to -- what is the hurry?  
12                  I don't understand what the hurry is for the  
13                  eMeasure.

14                 MEMBER DELONG: And why even endorse it?  
15                 I mean, as we discussed yesterday, we're fearful  
16                 that we're not going to be here three years from  
17                 now and we endorse it as a trial Measure and it comes  
18                 back three years later and a new committee sees it  
19                 as endorsed and rubber-stamps it.

20                 MEMBER HOLLANDER: And I think Tom's  
21                 point's really important. Is that at some point,  
22                 this is -- we're left with the process as the

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1 process is right now. And I actually, frankly,  
2 there are slides with very specific wording that  
3 I'm voting on and I personally can't vote to put  
4 this through for the reasons that are discussed.  
5 And I feel uncomfortable, and we've done this in  
6 the past in other rounds, where we vote for  
7 something that doesn't meet the letter of what  
8 we're voting for.

9 And I think we do more to fix the system  
10 if we vote it down and either NQF has to change what  
11 they're asking us to vote, call it a trial Measure  
12 or maybe it gives NQF power to go to the people that  
13 do control these things in the federal government  
14 and say EHRs aren't ready for prime time because  
15 there's no inter-operability and there's no data  
16 element coding that needs to be the way we need it  
17 and force change. But if we accept mediocrity,  
18 what we get is mediocrity.

19 And I just -- the other thing I'm going  
20 to add is, we do have some data here. This is not  
21 a total void of data, the data's actually not good.  
22 So this is a little bit of difference than when we

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1 just have no data. Here, again, 82 percent  
2 agreement is a kappa value that may be well below  
3 0.4, it may be nowhere near 0.55, and we don't even  
4 know those numbers. So without those numbers and  
5 with a statistical guess that really doesn't even  
6 meet the lower limits of the bar, there's multiple  
7 issues.

8 CO-CHAIR KOTTKE: Judd is left, speak to  
9 us.

10 MR. GOLDWATER: Okay. So I'm going to  
11 make this easier by just sitting up here rather than  
12 having Marcia run back and forth with the mic. A  
13 couple of issues and then -- and I think we fully  
14 understand what you're saying. And I understand  
15 that the data quality issues that are systemic in  
16 EHRs make this awfully challenging. And perhaps  
17 then it does ask us then to perhaps reexamine the  
18 criteria of evaluating eMeasures at this stage.  
19 Just a couple of points.

20 Number one, you're not going to resolve  
21 data quality issues in EHRs in this committee.  
22 That is not going to happen. Those problems have

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1       been around for two decades and they're not going  
2       to go away tomorrow and they're not going to go away  
3       by any decision that you make. Those problems,  
4       because of the lack of standardization of data and  
5       the lack of inter-operability between systems, are  
6       pervasive, they are systemic, they are  
7       long-lasting, they are not going to end.

8               There's nothing you're going to do or  
9       any committee is going to do and there's certainly  
10      nothing we can do that is going to influence vendors  
11      and organizations to suddenly become  
12      inter-operable. I have been doing this for 22  
13      years. I have been having the same arguments over  
14      and over and over again about how we get to a point  
15      of inter-operability and no one is listening to me.  
16      Which is fine, I'm used to that, nobody listens to  
17      me.

18             The second issue is, while I understand  
19      that there's perhaps a desire to want to put this  
20      into the trial-use program, but let me explain I  
21      think why that becomes somewhat problematic. And  
22      it's not because the intent is not reasonable, it's

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1 because of how it's going to be perceived outside  
2 of this group. Which is, you're talking about a  
3 Measure that's already endorsed and a Measure  
4 that's already being used and a Measure that has  
5 been used effectively for a significant period of  
6 time.

7 Trial-use was not designed to put  
8 Measures in that are already being used, that are  
9 already being endorsed. I said this yesterday.  
10 It's not as if we don't have enough data, we can't  
11 test the Measure adequately, so let's put it into  
12 trial-use. The reason being is that, that will  
13 generate an incredible amount of resistance  
14 outside of this group. Because people will say,  
15 why are you putting a Measure for trial use that's  
16 already being used, that's already endorsed, that  
17 already has an NQF number, that's showing to be  
18 effective? And if we say that the issue is because  
19 we have concerns over the data quality and how that  
20 Measure is going to be performed, the question  
21 that's going to follow that is, was there testing  
22 that was done on the Measure? And there was

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1 testing done.

2 Now, if you don't think the testing was  
3 adequate, then, yes, vote accordingly. Nobody's  
4 going to -- I'm not going to tell you how to vote.  
5 That's not my job or anybody else at NQF is to tell  
6 you how to vote. If you don't think the data is  
7 adequate to endorse the Measure, then vote  
8 accordingly. But we can't say -- it's going to be  
9 very difficult on all of us, especially on NQF, if  
10 we say we don't have enough data, we are concerned  
11 about the quality of the data, we are uncomfortable  
12 with moving past validity because of the results  
13 that we're seeing, so let's put it into trial-use.

14 Because I would image that Patrick  
15 Conway and Kate Goodrich, who are the ones that are  
16 pushing for this, and others will be like, why are  
17 you taking an endorsed Measure that's used in  
18 national programs and that has been around for two  
19 decades and you're putting it into trial use  
20 because we're just respecifying this to be  
21 electronic?

22 CO-CHAIR KOTTKE: So --

1 MR. GOLDWATER: Why are you not just  
2 simply rejecting the Measure or --

3 CO-CHAIR KOTTKE: But this Measure is  
4 not endorsed. This eMeasure is not endorsed by us,  
5 by NQF. Is that not correct?

6 MS. SMUK: The prior version of --

7 MR. GOLDWATER: The prior version,  
8 correct.

9 MS. SMUK: -- the Measure is endorsed.

10 MR. GOLDWATER: Right. Yes.

11 MS. SMUK: Correct.

12 MR. GOLDWATER: The prior version.  
13 This one is not, no.

14 CO-CHAIR KOTTKE: The prior eMeasure was  
15 --

16 MS. SMUK: No.

17 MR. GOLDWATER: No. The prior --

18 CO-CHAIR KOTTKE: -- there's a prior  
19 eMeasure? I mean, there's two different Measures,  
20 right? There --

21 MR. GOLDWATER: That's correct.

22 CO-CHAIR KOTTKE: -- is a register

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1 Measure and an eMeasure.

2 MR. GOLDWATER: That's correct.

3 CO-CHAIR KOTTKE: The eMeasure is not  
4 endorsed --

5 MR. GOLDWATER: But the --

6 CO-CHAIR KOTTKE: -- it's a new Measure.

7 MR. GOLDWATER: -- initial Measure, the  
8 0070, which is what I think -- that was endorsed,  
9 was it not?

10 CO-CHAIR KOTTKE: Yes.

11 MS. SMUK: Right. And --

12 CO-CHAIR KOTTKE: Yes.

13 MS. SMUK: But back then --

14 MR. GOLDWATER: But that --

15 MS. SMUK: -- there wasn't the  
16 distinction between -- when you got endorsed, it  
17 was only for one data source and I believe at the  
18 time, there also wasn't requirements on HQMF. And  
19 we did submit a PCPI e-specific which adhered to  
20 QDM, et cetera, it just wasn't in the HQMF format.  
21 So we did have an early eMeasure specification  
22 before HQMF was a requirement and before there was

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1 a distinction of, you only get endorsed for a  
2 particular data source. So that is -- that prior  
3 endorsement was before any of these standards came  
4 about.

5 And one other just note is that these  
6 three cardio Measures are in Meaningful Use. They  
7 do have a lot of eyes on them. There are public  
8 platforms where issues either with the  
9 specification, issues with the clinical content,  
10 it's called JIRA, and anybody who has an issue with  
11 the Measure can go there and either ask for  
12 inquiries or ask for clarifications on the  
13 specification, on the intent of the Measure, I  
14 mean, it's kind of open for fair game, or just  
15 simple questions on the standards that surround  
16 them.

17 And our team was talking earlier this  
18 week and we're like, these Measures are actually  
19 the ones that we get the least number of questions  
20 on. Implementation wise, they're the most  
21 straight-forward based on their data elements and  
22 clinical concepts. These are the least in the grey

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1 area. So that's something to put out there is that  
2 implementation wise, we don't get nearly as many  
3 questions on these Measures that we get on some of  
4 our other Measures.

5 DR. BURSTIN: So just in terms of the  
6 path forward, because obviously we're going to go  
7 through this again for the next two Measures.  
8 Well, I mean, the same issues will emerge. We  
9 won't? Okay. So, for better or worse, our  
10 current policy assumes that for these legacy  
11 Measures, this is sufficient. We would ask you to  
12 vote on what our policy says. But we've clearly  
13 heard your concerns here and we'll take it back and  
14 see -- we'll also reflect this very clearly in the  
15 report. Again, this isn't the end of the game, you  
16 guys know this, you've been around this block.  
17 This goes out for comment, we can extensively  
18 include in the report the significant concerns  
19 raised about this. And if you vote it  
20 Insufficient, we'll have to justify that.

21 But, again, keep in mind according to  
22 the letter of what we currently allow, this does

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1 in fact meet that bar. We all recognize we'd like  
2 it to be a higher bar and we're hoping that over  
3 time Measures will move in that way. And we'll  
4 certainly think more about whether there are  
5 opportunities to call other Measures trial  
6 Measures.

7 CO-CHAIR KOTTKE: So are we ready to  
8 vote? Okay. Voting on Validity.

9 MS. IBRAGIMOVA: Scientific  
10 Acceptability of Measure Properties, 2B, Validity,  
11 1 High, 2 Moderate, 3 Low, 4 Insufficient. Still  
12 need one more vote. Oh, thank you. So the results  
13 are zero percent High, 31 percent Moderate, 44  
14 percent Low, 25 percent Insufficient. So it does  
15 not pass.

16 DR. BURSTIN: I would recommend that you  
17 just finish the evaluation of the Measure and not  
18 stop it here just because I think there's so many  
19 issues at play we'll need to follow up on.

20 CO-CHAIR KOTTKE: Okay. Feasibility?

21 MEMBER CHO: I think we can just vote,  
22 no?

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1 (Laughter.)

2 CO-CHAIR KOTTKE: Judd?

3 MS. IBRAGIMOVA: Okay. Feasibility, 1  
4 High, 2 Moderate, 3 Low, 4 Insufficient.

5 MS. MARINELARENA: Before we vote, if we  
6 could just have a little bit of a discussion or some  
7 -- before we -- for the record and for --

8 MEMBER CHO: Okay. For the record, I  
9 think we talked a lot about the electronic source  
10 being not reliable at times because of the, A, the  
11 richness of the data, B, the bad data that's  
12 sometimes going into electronic medical records.  
13 And I think that, that speaks greatly to how this  
14 Measure will be -- the performance gap numbers in  
15 the end.

16 DR. BURSTIN: Right. But that's not  
17 feasibility. Feasibility is really just are the  
18 data available in electronic data sources. So I  
19 think we've had that discussion under Scientific  
20 Acceptability. This is really about is the data  
21 source feasible.

22 MEMBER CHO: Right. And I'm --

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1                   MEMBER AL-KHATIB: I just want to make  
2                   one comment, one real quick comment. I mean, I  
3                   really would like to remind everybody most of the  
4                   performance Measures that we have in use now use  
5                   claims data. And so are you telling me that claims  
6                   data are better than EHR data? I'm not sure.

7                   MS. WILBON: I also just want to point  
8                   out and maybe Jason can clarify, the use of the  
9                   BONNIE tool that you guys also used the BONNIE tool  
10                  is one tool that is used to try to help with  
11                  feasibility and just to make sure that the data is  
12                  feasible to capture from an EHR in terms of  
13                  identifying the right data. So I just want to  
14                  bring that to your attention that, that is one  
15                  purpose for using the BONNIE tool is to help  
16                  demonstrate that there is some level of feasibility  
17                  in the electronic capture of the data. So did I  
18                  -- I just want to make sure, Jason, that I  
19                  characterized that correctly.

20                  CO-CHAIR KOTTKE: Yes, Judd?

21                  MEMBER HOLLANDER: So the questions  
22                  we're asked to answer for the committee under

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1 feasibility, which I think are worth reading  
2 because this is what we're voting on, are the  
3 required data elements routinely generated and  
4 used during care delivery? Are the required data  
5 elements available in electronic form? Is the  
6 data collection strategy ready to be put into  
7 operational use? And if an eMeasure, does the  
8 eMeasure feasibility scorecard demonstrate  
9 acceptable feasibility in multiple EHR systems and  
10 sites? And so those are the things we're voting  
11 on.

12 CO-CHAIR GEORGE: And did we hear what  
13 that scorecard showed?

14 MEMBER CHO: The BONNIE scorecard  
15 actually was very good. It was like 100 percent.

16 CO-CHAIR KOTTKE: And so that  
17 combination of Epic plus BONNIE is the two systems?

18 MEMBER HOLLANDER: But it does say  
19 multiple EHR systems in the questions and BONNIE's  
20 the substitute for it because they didn't --

21 CO-CHAIR KOTTKE: Right.

22 MEMBER HOLLANDER: -- cover that.

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1 CO-CHAIR KOTTKE: By criteria, it meets  
2 criteria with multiple. Okay. Yes, Linda?

3 MEMBER BRIGGS: I have a little bit  
4 different take on the BONNIE results. While they  
5 showed 100 percent agreement, only 82 percent of  
6 the data element concepts were there. So if that's  
7 true, then there's some missing data that they're  
8 not capturing. Yes, we got 100 percent agreement  
9 in the way it was tested, but not all the elements  
10 were available. That's my take on it. Anybody  
11 else?

12 MS. TIERNEY: So can I address that  
13 question? So, I think what you're referring to is  
14 the coverage. And BONNIE is a test of the Measure  
15 logic and so we test all the different logic  
16 pathways within the Measure. And so sometimes  
17 when you don't see 100 percent coverage, it's  
18 because we might not test every single pathway, for  
19 example, for the exceptions. We have a number of  
20 examples, we might just test one pathway, but not  
21 every single one we've identified in the Measure  
22 because we've still shown that the logic works when

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1       you use exceptions, we just haven't tested every  
2       single variable that's within the Measure  
3       specifications. I think a colleague of mine on the  
4       phone has a comment too about feasibility.  
5       Meredith?

6                   CO-CHAIR KOTTKE: Yes. Go ahead  
7       Meredith.

8                   MS. JONES: Thank you, Sam. Can  
9       everyone hear me?

10                  MS. TIERNEY: Yes.

11                  CO-CHAIR KOTTKE: Yes.

12                  MS. JONES: Okay. Thank you so much for  
13       the opportunity to comment. My name is Meredith  
14       and I'm with the PCPI. Sam's explanation of the  
15       BONNIE tool is correct. Just a quick  
16       clarification. It's not an EHR itself. It's a  
17       separate tool that will hopefully interact with the  
18       EHR. And as Sam said, the 82 percent coverage rate  
19       is really testing the logic pathways of the  
20       Measure. And we are working to get that up to 100  
21       percent, we just haven't tested all of the pathways  
22       within the Measure exceptions.

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1           So, for example, we have a number of  
2 diagnoses active that could be an appropriate  
3 exception, but for the sake of testing the logic,  
4 we've only tested one. Because it is simulated  
5 data. We are working to bring this up to 100  
6 percent. It's just adding more pathways within  
7 the tool itself. With that, we have found that all  
8 of the simulated patients we've put into BONNIE are  
9 in agreement. So it is in 100 percent agreement,  
10 meaning we have tested the logic sufficiently.

11           Another comment on feasibility that I  
12 just want to bring up, is we did include a  
13 feasibility scorecard with our Measure submission.  
14 And within that, we have shown that the data is  
15 available, accurate, and is meaningful and  
16 thoughtful to the physician's workflow. So we  
17 have spoke with physicians and cardiologists about  
18 these data elements, including the numerator,  
19 denominator, and exceptions variables, and they  
20 have indicated to us via their EHR that these  
21 variables, data elements are readily available and  
22 do not cause undue burden to capture. And if we

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1       could just look at the scorecard, we provided  
2       threes across the board. Thank you.

3               CO-CHAIR KOTTKE: Thank you. So ready  
4       to vote on Feasibility?

5               MS. IBRAGIMOVA: We're just missing two  
6       -- one more vote. Oh, we've got it. So the  
7       results are zero percent High, 63 percent Moderate,  
8       13 percent Low, 25 percent Insufficient. This is  
9       not in the grey zone.

10              CO-CHAIR KOTTKE: I'm sorry, what did  
11       you say about grey --

12              MS. IBRAGIMOVA: It is not in the grey  
13       zone.

14              CO-CHAIR KOTTKE: Yes. Okay.  
15       Usability and Use?

16              MEMBER CHO: So currently, it is being  
17       used by PQRS in the incentive program, EHR  
18       incentive program, and in the quality improvement  
19       with benchmarking, the PINNACLE Registry. So I  
20       think for Usability, it's currently being in use,  
21       so I think it's high.

22              CO-CHAIR KOTTKE: Judd?

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1                   MEMBER HOLLANDER: So I have a question  
2 because I'm confused. Because is that usability  
3 the eMeasure or is that usability the registry? I  
4 think it's -- it is the eMeasure? Okay. And then,  
5 talk to me about because I don't understand this,  
6 it says NQF's Measure Application Partnership  
7 reviewed the Measure and has the following  
8 recommendations, and none of them actually support  
9 use of the Measure. What does that mean? Why is  
10 that here? And how should we interpret that?

11                   MS. WILBON: So that was just an FYI. So  
12 the MAP -- just in terms of how the Measure is being  
13 used and being considered for use in other  
14 applications, so our Measure Application  
15 Partnership, as Melissa described yesterday, they  
16 make recommendations to HHS on which Measure should  
17 be used in particular federal programs. So this  
18 Measure was considered in that context, but for use  
19 in a specific program. It wasn't about -- it's not  
20 about endorsement. It's not about use in any  
21 particular setting specifically, but just about a  
22 particular federal program. So that is just

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1 context in terms of how the Measure's being  
2 considered for use outside of our sphere.  
3 Hopefully that helped clarify.

4 CO-CHAIR KOTTKE: So it sounds like the  
5 Measure is both being used and is usable? Vote?

6 MS. IBRAGIMOVA: Usability and Use, 1  
7 High, 2 Moderate, 3 Low, 4 Insufficient  
8 Information. So the results are, 44 percent High,  
9 50 percent Moderate, six percent Low, zero percent  
10 Insufficient Information. It passes Usability  
11 and Use.

12 CO-CHAIR KOTTKE: So I need a little  
13 instruction here on the overall. Do we vote on  
14 overall since it didn't pass Validity?

15 MS. WILBON: So I think we should --  
16 since it did -- technically we generally would stop  
17 evaluating the Measure after Scientific  
18 Acceptability because it did not pass that  
19 criteria. So generally sometimes because there  
20 was a lot of process left and sometimes the Measure  
21 continues to be discussed, we do like to continue  
22 with the other criteria so we don't have to go back

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1 and rehash the discussion in case the conversation  
2 continues with public comment. But let's hold off  
3 on a final recommendation because technically with  
4 the vote on the Scientific Acceptability, the  
5 Measure did not pass. So we'll just move on to the  
6 next Measure.

7 CO-CHAIR KOTTKE: So we're only two  
8 Measures behind.

9 MS. VICALE: Thanks, Tom. I did want to  
10 make a note to everyone, we do appreciate the robust  
11 conversation and we understand it's been rather  
12 arduous. However, even though we had originally  
13 scheduled a 10:15 break, we would like to continue  
14 on with at least the next Measure and keep going  
15 since it's a robust conversation. So we do  
16 appreciate your patience with that. Thank you.

17 CO-CHAIR GEORGE: And Developers want to  
18 make any comments about this Measure? I know you  
19 sort of addressed them all three to begin with.  
20 Anything other --

21 MS. TIERNEY: I don't think so, I think  
22 Dr. Radford gave a good kind of overall overview

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1 of the Measures.

2 CO-CHAIR GEORGE: Okay. We'll go on to  
3 Joel and Mladen.

4 MEMBER MARRS: All right. So this  
5 Measure is Heart Failure and the use of  
6 Angiotensin-Converting Enzyme Inhibitors or ARBs  
7 for LV Dysfunction. And so similar to the first  
8 one we discussed, we're just focusing on the  
9 ACE/ARB therapy. And so to start off with  
10 Evidence, just like it was mentioned with the first  
11 one we discussed this morning, there's a tremendous  
12 amount of evidence and guideline recommendations  
13 for this Measure.

14 CO-CHAIR GEORGE: Any other comments?

15 MEMBER VIDOVIK: Very heavily  
16 researched field.

17 CO-CHAIR GEORGE: All right. We'll  
18 vote on the Evidence.

19 MS. IBRAGIMOVA: Importance to Measure  
20 and Report, 1A, Evidence Structure Process  
21 Intermediate Outcome, 1 High only eligible if QOC  
22 submitted, 2 Moderate, 3 Low, 4 Insufficient. So

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1 we're missing one in the room. So the results are  
2 88 percent High, 13 percent Moderate, zero percent  
3 Low, zero percent Insufficient.

4 CO-CHAIR GEORGE: We'll move on to  
5 Opportunities for Improvement.

6 MEMBER MARRS: So Opportunities for  
7 Improvement in Performance Gap, the Developers  
8 submitted information from PQRS data from 2010 to  
9 2013. They reported just under an 80 percent rate  
10 of meeting this criteria in that system. And so  
11 still designating that there is a performance gap.  
12 They did go into talk about disparity issues and  
13 a need to further evaluate some of those pieces  
14 across multiple disparities that aren't  
15 necessarily publically reported at this time.

16 CO-CHAIR GEORGE: Any comments on the  
17 Opportunities for Improvement? All right, we'll  
18 vote on the Opportunities.

19 MS. IBRAGIMOVA: Importance to Measure  
20 and Report, 1B, Performance Gap, 1 High, 2  
21 Moderate, 3 Low, 4 Insufficient. The results are  
22 25 percent High, 69 percent Moderate, six percent

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1 Low, zero percent Insufficient.

2 CO-CHAIR GEORGE: All right. We'll  
3 move on to the Reliability and Specifications.

4 MEMBER MARRS: So related to  
5 Reliability, they reported their reliability  
6 testing score that came out to be 0.94, with a  
7 sample of, I think it was 1,300 patients that they  
8 tested. Or 1,244 samples that they actually  
9 tested and showed a reliability score of 0.94. And  
10 then when they actually used the cut point like they  
11 did similar from the first Measure with that  
12 minimum of ten, reliability dropped to 0.83, but  
13 still designated high reliability overall for the  
14 Measure.

15 One of the questions that came up is how  
16 they were designating the denominator? The  
17 denominator says current or history of an EF less  
18 than 40 percent. And so the numerator specifies  
19 an ACE/ARB therapy in a 12 month period, but there  
20 was a question of what's the period range for the  
21 denominator? Is that within the same 12 month  
22 period? Or is that any historical EF less than 40

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1 percent?

2 MS. TIERNEY: So it is any historical EF  
3 less than 40 percent. And our work group  
4 discussed, I think, a comment that I saw in the  
5 notes about should maybe the Measure focus on just  
6 a current EF less than 40 percent? And the feeling  
7 was that because these agents can sometimes  
8 normalize EF, that focus should really be on any  
9 current or prior EF less than 40.

10 Additionally, I think there is another  
11 Measure, I think it's going to be presented later  
12 today, about a LVEF assessment in patients with  
13 heart failure. And I know the guidelines  
14 recommend assessing it with a two-dimensional echo  
15 on initial evaluation, but not necessarily  
16 recommending the routine assessment. So I think  
17 the Measure's also consistent with that by focusing  
18 on the current or prior.

19 MEMBER VIDOVICH: There's just one thing  
20 I would just like to point out. This is the similar  
21 quandary we had with beta-blockers. We know that  
22 acutely and in short-term ACE inhibitors work, we

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1 don't know three years, five years, ten years  
2 later. I mean, most of us clinically do continue  
3 them based on the assumption that and anecdotal  
4 evidence that if you take them off, the EF reverts,  
5 but we don't have data on that. I'm not aware that  
6 there's availability.

7 CO-CHAIR GEORGE: Sana?

8 MEMBER AL-KHATIB: Yes. I just have a  
9 quick question about one of the exclusion criteria,  
10 the marked azotemia. And I have to admit that I  
11 haven't heard that term, azotemia, in so many  
12 years. But how are we defining that? Is there a  
13 creatinine value that -- because in the EHR,  
14 nobody's going to say the problem less marked or  
15 something like that. Maybe with ICD-10, that will  
16 help. But can you help us understand how you're  
17 defining that?

18 MS. TIERNEY: Sure. So I'll have Kim  
19 explain how we're defining it or maybe not defining  
20 it as the case may be. But I will say that where  
21 it came from was when these Measures were last  
22 developed with a work group in 2009, and we do

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1 complete annual updates based on new guidelines  
2 that are released, but when they were completed in  
3 2009, we decided to include as examples of  
4 exceptions, medical reason exceptions, things that  
5 were specifically mentioned in the guideline. So  
6 that azotemia was particularly mentioned in the  
7 2009 heart failure guidelines. I didn't look at  
8 the new ones to see if it's still in there. But  
9 that's where that came from, even though it may be  
10 an outdated term. But Kim can speak to how we might  
11 capture that.

12 MS. SMUK: So in some of the earlier  
13 specifications, there were codes that were used to  
14 capture that. And we found over the years and  
15 through feedback that having it hard-coded was not  
16 necessarily a valuable piece and that something  
17 like that, if it was going to be reported, would  
18 actually be better reported through a medical  
19 reason using a contraindication, et cetera. So  
20 it's not captured as a discreet stand-alone data  
21 element in our eMeasure specification. And rather  
22 we would guide people to report it through using

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1 a medical reason.

2 And so this is just part of the  
3 evolution of an eMeasure specification. And when  
4 we saw this question in the materials that were  
5 distributed and we actually went back and looked  
6 and it was in a much earlier version of a  
7 specification, but through the annual updates that  
8 we do to our specifications, we did decide to  
9 consolidate some of the actual examples. But  
10 there's still the ability for a physician judgment  
11 through the medical reason value set.

12 CO-CHAIR GEORGE: Any other discussion  
13 on Reliability? All right, we'll vote.

14 MS. IBRAGIMOVA: So Scientific  
15 Acceptability of Measure Properties, 2A,  
16 Reliability, 1 High, 2 Moderate, 3 Low, 4  
17 Insufficient.

18 MS. VICALE: Are we missing one more  
19 vote?

20 MS. IBRAGIMOVA: So the results are, 18  
21 percent High, 82 percent Moderate, zero percent  
22 Low, zero percent Insufficient.

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1 CO-CHAIR GEORGE: We'll move on to  
2 Validity.

3 MEMBER MARRS: So from a Validity  
4 standpoint, there's definitely alignment with the  
5 evidence recommendation for the use of ACEs and  
6 ARBs in this population and the Measure itself.  
7 The Developers submitted that it met face validity  
8 requirements and then they actually did the same  
9 sample test of that 154 patients that we talked  
10 about on the previous. And there was 96 percent  
11 agreement from using the manual evaluation versus  
12 EHR assessment.

13 CO-CHAIR GEORGE: Any comments on the  
14 Validity? If not, we'll vote on Validity.

15 MS. IBRAGIMOVA: Scientific  
16 Acceptability of Measure Properties, 2B, Validity,  
17 1 High, 2 Moderate, 3 Low, 4 Insufficient.

18 MS. VICALE: We need one more vote,  
19 excluding Liz. Has everyone else voted?

20 MS. IBRAGIMOVA: Yes. Let's just try  
21 one more time.

22 MS. VICALE: Okay. We're going to do it

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1       again.

2                   MS. IBRAGIMOVA: So the results are six  
3       percent High, 88 percent Moderate, six percent Low,  
4       zero percent Insufficient.

5                   CO-CHAIR KOTTKE: So, pardon my naivete,  
6       but has everybody just run out of powder? Or are  
7       they exhausted? Or is there something different  
8       between Measure 0070 and 0081?

9                   MEMBER HOLLANDER: To me, the big  
10      difference is the data quality here. The data was  
11      80 percent agreement as compared to 90-something  
12      percent agreement. I ended up personally giving  
13      this a Moderate rather than a Low, even though I  
14      still don't have kappa and I don't know what percent  
15      agreement actually really means. But at least it  
16      was a number that makes some sense. Eighty-two  
17      percent agreement when we know we do better in  
18      Measure 0070 with another ten percent by manually  
19      reviewing it doesn't hit the evidence bar to me.  
20      So I saw them as entirely different things.

21                   CO-CHAIR KOTTKE: Anybody else care to  
22      offer a hypothetical explanation without revealing

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1 your thoughts?

2 MEMBER MARRS: I guess I didn't, in the  
3 interest of time as well, discussing the first  
4 Measure extensively, I didn't feel the need to  
5 discuss some of the limitations and some of the  
6 other issues that we had already discussed and so  
7 just kind of highlighted some of the key pieces from  
8 a Reliability and Validity standpoint. But I  
9 think those same limitations from an EHR still  
10 exist with this Measure.

11 CO-CHAIR KOTTKE: Gerry?

12 MEMBER MARTIN: I voted the same on both  
13 times thinking that it was the same issue. Even  
14 though the data seemed different.

15 MS. MARINELARENA: So just to clarify on  
16 the last Measure, it failed on Validity? Yes.  
17 Okay. Just so we're clear.

18 CO-CHAIR GEORGE: Does anyone feel a  
19 need to revote on Validity? On the one that we're  
20 talking about? Okay. Then we'll move on to  
21 Feasibility.

22 MEMBER MARRS: So from a Feasibility

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1       standpoint, all the pieces that would funnel into  
2       this are captured in an EHR and so easily  
3       collectible. And so overall, medical criteria of  
4       feasibility and actually all the Measure elements  
5       would be available. And so no major issues from  
6       a Feasibility standpoint that I can see.

7               CO-CHAIR GEORGE: Any comments on  
8       Feasibility? If not, we'll vote on Feasibility.

9               MS. IBRAGIMOVA: Feasibility, 1 High, 2  
10       Moderate, 3 Low, 4 Insufficient. So the results  
11       are 22 percent High, 78 percent Moderate, zero  
12       percent Low, zero percent Insufficient.

13              CO-CHAIR GEORGE: We'll move on to  
14       Usability.

15              MEMBER MARRS: So from a Usability  
16       standpoint, the Measure is currently being used  
17       from a PQRS standpoint, a Meaningful Use  
18       standpoint, and the PINNACLE Registry  
19       successfully. And so no major concerns from a  
20       Usability standpoint.

21              CO-CHAIR GEORGE: Any discussion on  
22       Usability? We'll vote on Usability.

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1 MS. IBRAGIMOVA: Usability and Use, 1  
2 High, 2 Moderate, 3 Low, 4 Insufficient  
3 Information. So the results are 50 percent High,  
4 44 percent Moderate, six percent Low, zero percent  
5 Insufficient Information.

6 CO-CHAIR GEORGE: Any other final  
7 comments? Liz?

8 MEMBER DELONG: I think Tom implied  
9 we're being a little inconsistent and I'm concerned  
10 that we're a little inconsistent. I mean, I think  
11 the discussion we had on 0070 was along the lines  
12 of this is not ready for prime time. The eMeasures  
13 as, is your name Jason?

14 MR. GOLDWATER: Jason.

15 MEMBER DELONG: Jason pointed out,  
16 electronic health records are not standardized  
17 across sites or across data systems and they have  
18 not yet been proven. So although there have been  
19 information supplied that lead us to think that  
20 these Measures can be valid and reliable and  
21 whatever, they're still fraught with the problems  
22 that were mentioned earlier. So I wonder how we

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1 can -- I just don't think we're being consistent  
2 if we're saying all those problems exist for the  
3 first Measure, but they don't exist for the second  
4 Measure.

5 MEMBER CHO: I will say this for 0070,  
6 which is that it is a little bit more complicated  
7 than this Measure because it has many reiterations.  
8 So it has, you have to have an MI, you have to have  
9 had an LVEF less than 40, it's actually -- this is  
10 a much simpler Measure I think, because it's a heart  
11 failure, EF less than 40 percent. And so I think  
12 it's not the same in my mind.

13 MEMBER DELONG: EF less than 40 percent  
14 is incredibly difficult.

15 MEMBER CHO: I think you were all with  
16 us last year when we voted to have EF measurements  
17 as part of our -- didn't we vote for a Measure that  
18 mandated that heart failure patients have an EF on  
19 the chart last year as one of our Measures? Yes.  
20 So hopefully it will be better.

21 CO-CHAIR KOTTKE: So maybe what this is,  
22 is an example of the clinical strategy not to do

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1 exactly the same thing all the time so at least  
2 you're not always wrong.

3 DR. BURSTIN: Just to weigh in briefly,  
4 it sounds like there was actually some discussion  
5 of the actual testing results on the one EHR at a  
6 higher degree of comfort. So I guess the one  
7 question might be, potentially offering just to  
8 come back and better explain or offer to show data  
9 on the first one since we haven't wrapped it up yet  
10 and see if we can just be consistent going forward.  
11 I think there was some -- just see if there's some  
12 additional way to make that work.

13 CO-CHAIR GEORGE: Judd?

14 MEMBER HOLLANDER: I think to Liz's  
15 point and Tom's inferences, I guess we'll now call  
16 it, is I don't think we get to vote on whether  
17 eMeasures as a whole are a good thing or a bad thing  
18 at this point in time. But it might actually be  
19 worth having in the report if the sentiments around  
20 this table are that eMeasures at least in the  
21 cardiovascular world are not ready for prime time  
22 and if we as a group think that they shouldn't be

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1 moving forward until there's data and we shouldn't  
2 convert Measures that have been successful in  
3 another form to eMeasures until we can prove the  
4 eMeasures work as well or nearly as well as the  
5 other form. Like I think those are the sentiments  
6 I feel in the room.

7 We don't get to determine NQF policy,  
8 and we don't formally get to vote on that, but if  
9 we feel that way, it probably is worth having that  
10 documented in further discussions. But I think my  
11 votes were different between the two measures  
12 because I saw data to be different within the body  
13 of them. And I think that's what I was asked to  
14 vote on, so that's how my votes were different. I  
15 don't know whether Helen or anybody else thinks  
16 it's worth us having some kind of formal poll about  
17 whether we think eMeasures are ready for prime time  
18 or not.

19 DR. BURSTIN: I suspect Sana may say the  
20 same thing, but I'm not sure I heard that as the  
21 general sentiment. What I heard was specific  
22 concerns raised about the requirements for legacy

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1 eMeasures that was reflected in the concerns about  
2 that measure. And we'll raise those concerns.  
3 I'm not sure we're ready to put something more  
4 global in or get into that discussion. But  
5 concerns heard.

6 MEMBER AL-KHATIB: That's exactly what  
7 I wanted to say. I don't know that, that  
8 represents the sentiments of everybody in this  
9 group. I certainly want to see some eMeasures  
10 endorsed and out there. And it would have been  
11 perfect, and maybe that's feedback for the NQF  
12 group, to maybe have something where either  
13 conditional endorsement or some trial track or  
14 whatever that might be, so that we all feel  
15 comfortable that we have enough data to support  
16 them. But I certainly don't want to put a hurdle  
17 in the road of development of eMeasures. We  
18 definitely need them.

19 CO-CHAIR GEORGE: Leslie?

20 MEMBER CHO: I think it speaks to the  
21 fact that if an eMeasure is simple, like this one  
22 is, and not so complicated as 0070 was, in terms

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1 of the and, and, the multiple different things, I  
2 think eMeasures can work. For a simple measure,  
3 I think eMeasures can work. So I don't want to make  
4 a broad statement about eMeasures not being good.

5 MS. SMUK: So one thing that has come up  
6 a lot in our community is that when people look at  
7 a measure, they determine its complexity based on  
8 the lines of logic. And what -- a lot of the  
9 responses that have been given to us is that you  
10 think that because you're a human, but when these  
11 things are done electronically, they're not  
12 complicated at all. Because it is a computer  
13 system that's computing these and calculating  
14 these.

15 And so the lines of logic shouldn't  
16 necessarily take into account the complexity, et  
17 cetera. Because when you look at these three  
18 cardio measures side-by-side, they share a lot of  
19 the same data elements. One may have one  
20 additional data element, and one additional data  
21 element shouldn't add an overdue amount of  
22 complexity. Because they do share a lot of similar

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1       --

2                   MEMBER CHO: Then maybe you can explain  
3 why the difference in testing? So maybe that's  
4 something for you to come back to later.

5                   MS. SMUK: Yes. Perfect.

6                   CO-CHAIR GEORGE: Tom?

7                   CO-CHAIR KOTTKE: Yes. I just -- I  
8 think I sort of share Sana's -- I mean, I think these  
9 should move forward. And when I sat on the IOM  
10 committee on cardiovascular surveillance, really  
11 tried to get a paragraph in there saying that with  
12 the EHR and with the Affordable Care Act, the EHR  
13 ought to be a real-time census and should really  
14 be a way that we can cheaply monitor.

15                   And so I'm very concerned that there's  
16 something back behind that we're neither supposed  
17 to talk about or bring up here that's appropriate  
18 to bring up here, that we're inhibiting the  
19 development of further information systems. And  
20 I think -- I would like to see these things move  
21 forward and I think eMeasures are quite valuable  
22 and work should continue without us inhibiting

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1       them. But on the other hand, there are still some  
2       issues.

3               CO-CHAIR GEORGE: Any other comments  
4       before we vote on endorsement of this eMeasure?  
5       All right.

6               MEMBER JAMES: Yes. This is Tom James.

7               CO-CHAIR GEORGE: Go ahead, Tom.

8               MEMBER JAMES: I was just -- just to pick  
9       up on Tom's point. I think it's important because  
10      of the learning curve with all the various  
11      electronic medical record systems and the ability  
12      to capture data that we start off with eMeasures  
13      which are less complex and get that learning curve  
14      done as we move then into ones which are more  
15      complex, like the ones prior.

16              CO-CHAIR GEORGE: Tom?

17              CO-CHAIR KOTTKE: The abstraction of the  
18      medical record is not nearly as simple as we think.  
19      Because take an academic institution like Duke or  
20      the University of Minnesota, we abstracted half the  
21      myocardial infarctions, stroke records from 1970  
22      to 1980 when I was a Fellow. And you go in there

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1 and you have an attending physician, you have a  
2 third-year resident, you have a first-year  
3 resident, and a first-year medical student all  
4 reporting something different. What do you take?  
5 And so the registers sort of obfuscate these  
6 decisions that have been made by a recorder who has  
7 made perhaps some arbitrary decisions, so that  
8 we're sort of not comparing the same level of  
9 complexity.

10 CO-CHAIR GEORGE: Any other final  
11 thoughts before we vote? All right. We'll vote  
12 on the measure.

13 MS. IBRAGIMOVA: Overall Suitability  
14 for Endorsement, does the measure meet NQF criteria  
15 for endorsement, 1, Yes; 2, No. The results are  
16 94 percent, Yes; 6 percent, No.

17 CO-CHAIR GEORGE: Would the Committee  
18 like to take a break now or go through the next  
19 measure before break? If you would like to take  
20 a break now, raise your hand. Two? We'll take  
21 just a very short maybe five, six minute break.

22 (Whereupon, the above-entitled matter

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1       went off the record at 10:43 a.m. and resumed at  
2       10:52 a.m.)

3               CO-CHAIR KOTTKE: Okay. We'd like to  
4       get started. Are we ready to get started? Are we  
5       -- I see we have our Developers here. All right.  
6       Measure 0083, Heart Failure: Beta-Blocker Therapy  
7       for Left Ventricular Systolic Dysfunction (LVSD).  
8       The developers are AMA-PCPI. The discussants are  
9       Mary George and Kristi Mitchell. Developers, do  
10      you want to say anything now or just wait?

11              MS. TIERNEY: I don't think so. Thank  
12      you; we appreciate the opportunity.

13              CO-CHAIR KOTTKE: Okay. Mary?

14              CO-CHAIR GEORGE: So this is really a  
15      paired measure with the one that we just finished  
16      discussing, beta-blockers. The evidence is  
17      similar to the evidence that we had for the previous  
18      two measures today. Level A evidence, 17  
19      randomized control trials, three comparative  
20      studies, evidence updated through 2013. I don't  
21      have any other comments on it.

22              MEMBER MITCHELL: The only thing --

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1 CO-CHAIR KOTTKE: Kristi?

2 MEMBER MITCHELL: -- to add is that they  
3 did a QQC.

4 CO-CHAIR KOTTKE: Okay. Any further  
5 discussion or can we vote on the evidence? The  
6 evidence sounds like it's -- there's Judd.

7 MEMBER HOLLANDER: Just one simple  
8 question. I'm just kind of curious, this is a  
9 one-time prescription of a beta-blocker at any  
10 point at either a hospital discharge in the year.  
11 And I just -- I'm going to vote for it, but I just  
12 wonder whether or not there's not a better measure  
13 of looking at it over time, because it seems to me  
14 there probably isn't evidence that given a  
15 beta-blocker once in a year makes a difference.  
16 It's really being on beta-blockers. And I wonder  
17 if we're shortchanging what we really want to do  
18 by giving people credit for sending them home on  
19 a beta-blocker and then stopping it.

20 MS. SMUK: Yes. So this measure is  
21 basically looking at, at a given point in time ---  
22 whether it be at a physician office visit or at a

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1 discharge -- that the patient at that time was  
2 either actively taking it already, so it wouldn't  
3 be that you necessarily have to give it to them if  
4 they're already ordered it or already actively  
5 taking it, that would qualify, so the provider  
6 would just say, I verified that the patient is  
7 already -- it's on their active medication list or  
8 they already have an order for it or you would, at  
9 that time, if that information is not available or  
10 if the patient's not on it, then you would have to  
11 provide the quality action of actually ordering the  
12 medication. And so this measure -- because you  
13 can't necessarily look at it at every given point  
14 in time, you do have to pick one point in time to  
15 look for the quality action.

16 CO-CHAIR KOTTKE: So it's just a point  
17 rather than a period? Yes. Okay. Are we ready  
18 to vote on evidence? Evidence sounds high.

19 MS. IBRAGIMOVA: Importance to Measure  
20 and Report, 1A, Evidence Structure Process  
21 Intermediate Outcome, 1 High only eligible if QOC  
22 submitted, 2 Moderate, 3 Low, 4 Insufficient. So

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1 the results are 88 percent High; 13 percent  
2 Moderate.

3 CO-CHAIR KOTTKE: Okay. Thank you.  
4 Opportunity for Improvement, Mary?

5 CO-CHAIR GEORGE: So the performance gap  
6 provided was from the 2010-2013 PQRS data, which  
7 showed performance around 75 to 85 percent with  
8 really no sustained improvement over the four  
9 measurement years. They said that was consistent  
10 with the improved HF registry. Disparities have  
11 not been noted, but are available at this time.

12 CO-CHAIR KOTTKE: Kristi, any  
13 additional?

14 MEMBER MITCHELL: Just to reiterate that  
15 this gap is reflective of the overall picture and  
16 not necessarily around the eMeasure itself.

17 CO-CHAIR KOTTKE: Great. Any further  
18 discussion about Opportunity for Improvement?  
19 Hearing none, let's vote.

20 MS. IBRAGIMOVA: So with the Evidence  
21 voting, for some reason, it came out to 101 percent.  
22 Do we mind revoting?

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1 CO-CHAIR KOTTKE: Is it round off error?

2 MS. IBRAGIMOVA: No. It's fine.

3 CO-CHAIR KOTTKE: Liz says it's a round  
4 off error. Yes. Do we have to revote?

5 MS. IBRAGIMOVA: Just one moment. So  
6 Importance to Measure and Report, 1B, Performance  
7 Gap, 1 High, 2 Moderate, 3 Low, 4 Insufficient.  
8 Just need one more vote. So the results are 24  
9 percent High; 71 percent Moderate; 6 percent  
10 Insufficient; 0 percent Low.

11 CO-CHAIR KOTTKE: Thank you.  
12 Specifications and Reliability Testing?

13 CO-CHAIR GEORGE: So the denominator is  
14 patients 18 and older with a diagnosis of heart  
15 failure and ejection fraction less than 40 percent,  
16 as we heard before, prescribed beta-blocker  
17 therapy within the past 12 months in either the  
18 in-patient or out-patient setting, limited to the  
19 three beta-blocker agents, requiring that the  
20 patient has had at least two encounters with the  
21 provider in the measurement period.

22 Exclusions, as we mentioned, are the

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1 standard AMA-PCPI exclusions. And in terms of  
2 electronic specifications, all the elements are  
3 specified with the VSAC specifications and are  
4 specified in the standard HQMF format using the  
5 quality data model as required. Heart block was  
6 included in the eMeasure specification, but was  
7 excluded from the registry specification.

8 CO-CHAIR KOTTKE: Kristi, any -- Kristi  
9 has no further comment. Are we ready to vote on  
10 reliability? It sounds like reliability is good.

11 CO-CHAIR GEORGE: They did do the BONNIE  
12 testing for reliability. Now, I guess we cover  
13 that under validity testing as well.

14 MEMBER MITCHELL: I do have a question  
15 though. I think in the write-up it said that you  
16 all used five different EMR systems. Is that  
17 accurate? And if so, can you let us know which  
18 five?

19 MS. TIERNEY: So, I think for the  
20 exception analysis, that testing project did  
21 include five different EMR systems. I'd have to  
22 -- I don't know if we -- I don't think we have it

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1 readily available. We could certainly provide  
2 that information. Sorry that it wasn't included.

3 CO-CHAIR KOTTKE: Okay. We're getting  
4 very interesting displays on the screen. So we're  
5 ready to -- the committee is ready to vote on  
6 reliability. Okay. It's manual labor here.  
7 Who's counting?

8 MS. IBRAGIMOVA: I can count.

9 CO-CHAIR KOTTKE: Okay.

10 MS. IBRAGIMOVA: I'll count. Could you  
11 just put the slide up for reliability?

12 CO-CHAIR KOTTKE: High -- yes.

13 MS. IBRAGIMOVA: Okay. So we're voting  
14 on reliability. All of those who are voting High?  
15 Zero. Moderate? One, two, three, four, five,  
16 six, seven, eight, nine, ten, 11, 12, 13, 14, 15,  
17 16, 17. Seventeen? 100 percent. Okay.

18 CO-CHAIR KOTTKE: Thank you. Validity?

19 CO-CHAIR GEORGE: So they did both face  
20 validity with an expert panel, as well as the BONNIE  
21 testing output. On their face validity testing  
22 with 12 responses, eight were agree and four were

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1 strongly agree that the measure could distinguish  
2 between good and poor quality. The eMeasure  
3 testing found that measure exceptions were  
4 validated 95 percent of the time. They looked at  
5 118 exceptions; 98 were for medical reasons for not  
6 prescribing, and the overall exception rate was 5  
7 percent.

8 The data element testing with the  
9 BONNIE output used 56 test patients, demonstrated  
10 100 percent performance with 95 percent coverage  
11 of the data elements. And the mean performance of  
12 the EHR data was 0.9, with a standard deviation of  
13 0.09, which was actually better than their registry  
14 testing. This measure is not risk-adjusted. I  
15 don't know, Kristi?

16 CO-CHAIR KOTTKE: Kristi, any  
17 additional? Kristi has no additional. Anybody  
18 else care to comment on validity? It sounds like  
19 validity is good. We're ready to vote on validity.

20 MS. IBRAGIMOVA: Scientific  
21 Acceptability of Measure Properties, 2B, Validity,  
22 1 High, 2 Moderate, 3 Low, 4 Insufficient. So we

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1 have one vote for High, 16 votes for Moderate, zero  
2 votes for Low, and zero votes for Insufficient.

3 CO-CHAIR KOTTKE: Thank you.  
4 Feasibility, Mary?

5 CO-CHAIR GEORGE: So all the data  
6 elements were specified, and the BONNIE  
7 feasibility scorecard showed that this was  
8 feasible for all data elements.

9 CO-CHAIR KOTTKE: Kristi, any  
10 additional? No? Okay. Any other comments on  
11 feasibility? Feasibility seems high. Let's vote  
12 on feasibility, please.

13 MS. IBRAGIMOVA: Feasibility -- 1 High,  
14 2 Moderate, 3 Low, 4 Insufficient. Just missing  
15 one vote. Just one more time just to capture that  
16 last vote. So we have eight votes for High, nine  
17 votes for Moderate, zero votes for Low, and zero  
18 votes for Insufficient.

19 CO-CHAIR KOTTKE: Usability and Use,  
20 Mary?

21 CO-CHAIR GEORGE: It's currently used in  
22 PQRS, Meaningful Use, Stage Two, and the PINNACLE

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1 Registry.

2 CO-CHAIR KOTTKE: Kristi, nothing?

3 MEMBER MITCHELL: The only thing else to  
4 add is that MAP in 2014 reviewed the measure and  
5 made recommendations for inclusion in the VBPM as  
6 well as Physician Compare programs.

7 CO-CHAIR KOTTKE: Thank you. Any other  
8 comments on usability and use? It seems to be used  
9 and usable. Let's vote please. I think we have  
10 to wait a moment. Okay. Now we can vote.

11 MS. IBRAGIMOVA: Okay. So Usability  
12 and Use -- 1 High, 2 Moderate, 3 Low, 4 Insufficient  
13 Information. Just one more vote.

14 MS. VICALE: Seventeen is the number  
15 that we're looking for.

16 MS. IBRAGIMOVA: So when you're voting,  
17 if you can look at your clicker to make sure that  
18 the number pops up. If not, your clicker might be  
19 dying, so we can switch that one out. So we have  
20 nine votes for High, eight votes for Moderate, zero  
21 votes for Low, and zero votes for Insufficient  
22 Information.

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1 CO-CHAIR KOTTKE: So we're voting on the  
2 overall measure -- Heart Failure: Beta-Blocker  
3 Therapy for Left Ventricular Systolic Dysfunction  
4 -- 0083. It sounds like it is pretty high  
5 concordance in all components of the measure.  
6 Let's vote on endorsement or not.

7 MS. IBRAGIMOVA: Overall Suitability  
8 for Endorsement, does the measure meet NQF criteria  
9 for endorsement, 1 Yes, 2 No. So the results are  
10 17 votes for Yes; zero votes for No.

11 CO-CHAIR GEORGE: So we'll be moving on  
12 to Measure 2740, Patients with Coronary Artery  
13 Disease that have a Potentially Avoidable  
14 Complication (during the episode time window).  
15 Measure Developers? We should note that the next  
16 several measures that we're reviewing are  
17 composite measures.

18 MR. DE BRANTES: Well, good morning.  
19 And thank you for having us here. My name is  
20 Francois de Brantes, and I'm the Executive Director  
21 of the Health Care Incentives Improvement  
22 Institute. And this is my colleague, Dr. Rastogi.

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1 And we are here to present for your consideration  
2 six measures. We originally had seven, but we  
3 removed one from consideration, and we'll get into  
4 the specifics of why that is.

5 The measures are very, very similar to  
6 one another, so we are going to take a few moments  
7 just to give you a very quick overview of what these  
8 are and how they're constructed and what our  
9 findings have been in getting to this point. Some  
10 of these measures, by the way, have previously been  
11 endorsed and so we're here back for the endorsement  
12 to an extent and then endorsement of new, similar  
13 measures.

14 So these measures are what we refer to  
15 as potentially avoidable complications. For the  
16 past ten years of work on the development of these  
17 measures, we've been very careful to continue to  
18 refer to them as potentially avoidable  
19 complications because we're not either suggesting  
20 or advancing that they're always avoidable, but  
21 simply potentially avoidable by a combination of  
22 activities from both physicians and the delivery

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1 system generally. If we can advance the slide?  
2 All right.

3 So the measures that we're submitting  
4 are the proportion of patients with a particular  
5 condition or undergoing a particular procedure  
6 that have a potentially avoidable complication  
7 during the episode time window. And what we mean  
8 by that is we look at these conditions over a period  
9 of time. That period of time is what defines the  
10 episode. And so the occurrence of an event during  
11 that period of time happens to trigger the measure.  
12 And so the conditions are coronary artery disease,  
13 heart failure, hypertension, arrhythmias, and then  
14 patients undergoing an angioplasty or undergoing  
15 a pacemaker or defibrillator implantation. Next  
16 slide.

17 So how we calculate these rates of  
18 avoidable complications are by looking at, as a  
19 denominator, patients who have that particular  
20 condition and those conditions, again, are defined  
21 as episodes. All of our definitions for these  
22 episodes are posted as open source definitions on

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1 our website, so anyone can use them, anyone can look  
2 at them, and anyone can also give us feedback on  
3 their definitions. The numerator is defined by  
4 the number of these patients with a potentially  
5 avoidable complication during the episode time  
6 window. Next slide.

7 There are two types of potentially  
8 avoidable complications and how we define these,  
9 Type Ones and Type Twos. And all that is in the  
10 materials that we've submitted. The Type One  
11 complications are complications that are very  
12 directly related to the condition or the procedure.  
13 Such, for example, as an emergency department visit  
14 for a patient, and in this case we're using hyper  
15 or hypoglycemia in diabetic patients. We're not  
16 submitted diabetes, but obviously the same kind of  
17 rationale applies for patients with CAD or heart  
18 failure. And these are complications, as I said,  
19 that typically are best controlled by the managing  
20 provider.

21 And then the Type Two avoidable  
22 complications are those that are related generally

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1 to patient safety failures and include, for  
2 example, the CMS-defined hospital acquired  
3 conditions. And these are avoidable  
4 complications that generally are best controlled  
5 by process improvement beyond just the managing  
6 physician. Next slide.

7 So these are the results of our testing  
8 on these measures. And what we're showing here is  
9 a risk-standardized PAC rate, or rate of  
10 potentially avoidable complications, for each one  
11 of the submitted measures, plus one AMI that we're  
12 actually not submitting. And, again, I'll get  
13 into that in a minute. So this shows you the  
14 distribution of the rates of avoidable  
15 complications and their spread on the particular  
16 data set on which we studied these complications.  
17 Next slide.

18 So we spent a tremendous amount of time  
19 looking at and evaluating the reliability of each  
20 one of these measures. And our conclusions on what  
21 constitutes a reliable measure is first of all  
22 whether or not it can distinguish provider

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1 performance. And it can distinguish provider  
2 performance -- a measure is reliable if it can show  
3 that there are some high provider-to-provider  
4 differences and then within provider variability  
5 it ends up being relatively low.

6 What we found is that reliability, of  
7 course, is a function of whether or not there is  
8 a cross-provider variability of the Measure. The  
9 less variability, the less reliable the measure is  
10 because it just simply doesn't differentiate  
11 performance from one to another. The second  
12 element is the number of comparative providers.  
13 If you have very few providers that you're  
14 comparing, then of course it's relatively  
15 difficult to have a reliable test result. And the  
16 third one is the sample size. As we all know,  
17 typically the lower the sample size, the less  
18 reliability the result ends up by being.

19 The criteria for achieving reliability  
20 and our conclusion on the criteria for achieving  
21 reliability varies not simply from episode to  
22 episode, but also from data set to data set. And

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1       that's an important point that we wanted to make  
2       because the data sets that we worked on to assess  
3       the reliability of these measures are commercial  
4       data sets. So we are not inferring in any way that  
5       the results of the reliability testing would be the  
6       same if we tested these measures on say a Medicaid  
7       data set or a Medicare data set. All right. So  
8       we're very specific that what we tested these  
9       measures on are commercial data sets, and we know  
10      that there are differences in the reliability  
11      scores when we move from one data set to another  
12      data set.

13               MEMBER DELONG: Could I ask a question?  
14      When you say episode, do you mean one of these areas  
15      of preventable complications? I mean, you're not  
16      talking about episodes of care; you're talking  
17      about these categories.

18               MR. DE BRANTES: Right.

19               MEMBER DELONG: Is that correct?

20               MR. DE BRANTES: So just to be clear, if  
21      you look at this slide, so the episodes are, or what  
22      we define as an episode of CAD, is actually 12

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1 months of -- looking at the 12 months' worth of  
2 claims data for the management of a patient with  
3 CAD, 12 months' worth of looking at the management  
4 of patient with heart failure. Same thing with  
5 hypertension, arrhythmia, heart block. PCI is a  
6 shorter term episode; we look at 90 days  
7 post-procedure as the time window for assessing  
8 whether or not there was an avoidable complication.  
9 And same thing for pacemakers and defibrillators.  
10 So we're looking at a period of time, a time window,  
11 and whether or not there were avoidable  
12 complications during that time window, and only  
13 during that time window.

14 MEMBER DELONG: So it's more like an  
15 episode of care rather than the categories you  
16 have? I just didn't understand.

17 MR. DE BRANTES: Yes, that's correct.  
18 So what our results, again, in the data sets that  
19 we used -- which are commercial insurer data sets  
20 of millions and millions of plan members, so it's  
21 not a small data set by any stretch of the  
22 imagination -- is that we achieved relatively high

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1 reliability with relatively low sample size for  
2 most of the condition episodes. This is directly  
3 a function of the very high degree of variability  
4 that you can observe in rates of avoidable  
5 complication from provider to provider who manage  
6 patients with those types of conditions.

7 For procedures like PCIs, it's a higher  
8 threshold, so you need a higher sample size. And  
9 for pacemaker, defibrillator, we used two different  
10 data sets. And you can see the difference that the  
11 data set makes, because in the first data set, we  
12 were able to achieve an absolute reliability with  
13 a sample size of 128, and then for the next data set  
14 --- the other data set that we used -- the sample  
15 size went down to 22. So, again, it's very  
16 important to understand that these reliability  
17 rates change data set by data set.

18 And one of the continuing points that we  
19 made to our colleagues at NQF is that we want to be  
20 very specific about that, because we don't want  
21 these measures to be used by anyone inferring that  
22 because you have reliability in one data set that,

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1       that reliability automatically confers to any other  
2       data set, right? So, you have to be rigorous about  
3       how you apply measures and not make inferences of  
4       reliability when they're not appropriate.

5               MEMBER DELONG: Could I ask another  
6       question?

7               MR. DE BRANTES: Sure.

8               MEMBER DELONG: When you're talking  
9       about reliability --

10              MR. DE BRANTES: Yes.

11              MEMBER DELONG: -- and sample size, it  
12       seems that you're really talking about whether you  
13       have a significant p-value and not necessarily the  
14       range you're seeing in the variability. I mean,  
15       it's possible that with five cites, you're seeing  
16       the same range, but you don't have enough power to  
17       claim a significant result. That with five cites,  
18       you've got the same range as with 128 cites in terms  
19       of the hospital-specific --

20              MR. DE BRANTES: Yes. It's 128  
21       patients, by the way.

22              MEMBER DELONG: Well, yes. Either way.

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1 DR. RASTOGI: So, you're right, in a way  
2 that variability in that data set is the one that  
3 drives the reliability score. So if there's no  
4 variability across providers, then the beta  
5 binomial model shows the alpha and beta values to  
6 be very different. And if there's high variability  
7 in that data set, then we found very different  
8 numbers there. So you're right, I don't know if  
9 it's a p-value, but it's the across-provider  
10 variability calculation. If it's 0.0005, then  
11 there's no point calculating a reliability score.  
12 So that 128, the star is there that even though we  
13 derived a number, but that across-provider  
14 variability was not significant.

15 MR. DE BRANTES: And that's one of the  
16 reasons why --

17 DR. RASTOGI: So, in the second --

18 MR. DE BRANTES: Go ahead. Yes.

19 DR. RASTOGI: Sorry. In the second data  
20 set, it was very significant, and so we could come  
21 up with the number 22 without asterisks around it.  
22 And they were two different commercial data sets.

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1       So it was very interesting for us, and that's where  
2       we are saying that when this measure is applied,  
3       then first they have to check the reliability  
4       scores. And only give a performance number for a  
5       physician if they meet that minimum sample size for  
6       which --

7               MR. DE BRANTES: Right.

8               DR. RASTOGI: -- say the reliability is  
9       over 0.7.

10              MR. DE BRANTES: Exactly.

11              MEMBER DELONG: So I mentioned this  
12       yesterday: sometimes when you produce parameter  
13       estimates, they're not as meaningful as seeing the  
14       actual numbers. For example, what does that  
15       translate to in a risk-adjusted rate that we can  
16       understand and the variability in those rates? It  
17       would be helpful to see that range.

18              DR. RASTOGI: That's right. And our  
19       workbooks provide that level of detail.

20              MR. DE BRANTES: And we had the summary  
21       in the prior slide where we showed the  
22       risk-adjusted, risk-standardized rate of

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1 potentially avoidable complications. And this is  
2 one of the reasons why we also removed from  
3 consideration and, in fact, let lapse a prior  
4 endorsed Measure around rates of potentially  
5 avoidable complications for patients with an MI,  
6 because we simply were not able to get enough of a  
7 reliable score -- at least to our standards -- on  
8 that particular measure with any commercial data  
9 set that we were analyzing.

10 So it's not to say that we wouldn't be  
11 able to get a reliable score with a Medicare data  
12 set, and we actually have some -- we've run some  
13 internal tests that would suggest that we would in  
14 fact get a reliable score on a Medicare data set.  
15 But we're not here to get this measure endorsed for  
16 Medicare; we're here to look for endorsement for  
17 commercial populations, not Medicare populations.

18 DR. RASTOGI: Yes. And just to add to  
19 Francois's point on AMI, it was very interesting  
20 because in the commercial population the AMI rates  
21 have really dropped, even in the last few years we  
22 are watching. And because the rates are so small,

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1 the highest sample size was only 45 patients for a  
2 facility where the AMI got attributed. And so, it  
3 was -- the beta binomial just didn't give us good  
4 numbers.

5 MR. DE BRANTES: And I think it shows that  
6 the good work that other measures are doing in  
7 improving care of patients who have heart  
8 conditions and as a result of which, there are fewer  
9 MIs for commercial populations, and that's good  
10 news for all of us. So why have a measure that  
11 doesn't create differentiation of providers for  
12 something that's not necessary? And that's why we  
13 decided to take it off consideration. Next slide.

14 So here's an example of, and I think it  
15 goes to the question you just asked, here we're  
16 showing the results for five different providers of  
17 their risk-standardized rates of avoidable  
18 complications. And what was interesting here for  
19 us is that it again points to the fact that making  
20 broad inferences about provider performance based  
21 on one single measure is probably not a good idea.  
22 And while we all know that, I think this slide makes

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1 the point.

2 Because the reality is that when you  
3 look at the distribution here, apart from Provider  
4 E, who seems to be certainly worse than the average  
5 on pretty much all of these measures, for the other  
6 ones, it's a mixed distribution. And certainly we  
7 could probably say Provider C is average to better  
8 than average on almost all of these specific  
9 episodes, but for the others, it's a mixed picture.

10 So I think, again, the point is while the  
11 measures are similar, they show different results.  
12 And it's important for measure users to not make  
13 inferences about the performance of a physician or  
14 a hospital based on the results of one measure, say  
15 the Management of Patients with CAD or the  
16 Management of Patients with Hypertension. But  
17 instead, be very clear about the fact that there is  
18 variability. And that the results of that  
19 variability can show good performance on one  
20 measure and not show good performance on another  
21 measure.

22 So in summary, I think what we're

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1 submitting and what we've shown in the  
2 documentation submitted is that rates of  
3 potentially avoidable complications, adjusted for  
4 patient severity, can reliably differentiate  
5 provider performance, that minimal sample sizes to  
6 achieve scoring reliability vary episode by episode  
7 and data set by data set, but that the performance  
8 on rates of avoidable complications also varies by  
9 episode and by provider, even when you're looking  
10 at the management of chronic conditions in the same  
11 clinical domain.

12 MEMBER AL-KHATIB: So thank you. I'll  
13 be actually one of the reviewers of the pacemaker,  
14 defibrillator measure. And I know I can delve into  
15 the details then, but I would like to bring up a  
16 couple of concerns because I think those apply to  
17 all the measures that we're discussing today. The  
18 definition of the PAC for me is difficult to wrap  
19 my mind around, if you will. And the main reason  
20 being that I think it's vague, I think it's very  
21 broad.

22 Especially when you look at the second

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1 type, like the first type that you showed, yes,  
2 that's directly related to the device implantation.  
3 I can buy that. The second one is way too vague,  
4 way too broad. And I think that applies to all the  
5 measures. I don't know how the other reviewers of  
6 the other measures feel, but I would like us to be  
7 consistent as we review these specifications.

8 MR. DE BRANTES: All right. So if I can  
9 respond? You're right, they are vague. Well, I  
10 don't think they're vague, they're actually quite  
11 specific, but they're broad. And there's a reason  
12 for that. It's because ultimately, it's about the  
13 patient. And these events occur, and we're  
14 measuring the frequency with which they occur.  
15 They occur to patients and in a world that I think  
16 we all agree is moving away from individual  
17 accountability to team accountability, even if  
18 that's a difficult concept still for many  
19 physicians to accept, that's really what this is  
20 about, right?

21 The PAC Two Types are about joint  
22 accountability of facilities and managing

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1 physicians and others involved in the care of the  
2 patient and how they're collectively working to try  
3 to minimize these types of patient safety failures.  
4 And it's -- if you think about the value-based  
5 payment world, for example, CMS has just announced  
6 their mandated comprehensive care joint  
7 replacement episode. It's going to include all  
8 costs post-discharge for 90 days. I can tell you  
9 that every single one of our potentially avoidable  
10 complications is something that the hospitals will  
11 be fully accountable for.

12 And so that's where the world is moving  
13 towards. And think about ACOs, right? I mean, if  
14 you're in an ACO, every single one of these  
15 avoidable complication applies. And you might  
16 say, well, it applies to the ACO, that's fine. But,  
17 isn't the ACO the collective of all of the providers  
18 that make it up? So, ultimately, what we're trying  
19 to do here is to say, we're moving to a team sport  
20 and these rates of avoidable complications vary  
21 tremendously provider by provider, and can,  
22 therefore, help them really understand what's going

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1 on with these patients both when it's within the  
2 direct control of, say, the surgeon and also when  
3 it's not in the direct control of the surgeon, but  
4 in the control of other team members that are  
5 co-participating in managing that patient's  
6 episode.

7 MEMBER AL-KHATIB: Well, I actually have  
8 major concerns about calling these safety failures.  
9 I mean, while some of them may be related to  
10 something that the physician or somebody on their  
11 team didn't do, there are a lot of factors here at  
12 play. You have --

13 MR. DE BRANTES: Sure.

14 MEMBER AL-KHATIB: -- the patient  
15 perspective too. You send them out on medications,  
16 they don't take the medications, they come back.  
17 But are you saying that if they actually have to come  
18 back for any reason during that time, that the  
19 physician who did the procedure will be dinged for  
20 it? I mean, I have major concerns --

21 MR. DE BRANTES: Well, isn't --

22 MEMBER AL-KHATIB: -- about that.

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1 MR. DE BRANTES: Isn't that the way the  
2 all cause readmissions work as well?

3 MEMBER AL-KHATIB: I'm just --

4 MR. DE BRANTES: No, no, no. But --

5 MEMBER AL-KHATIB: -- talking about  
6 these particular measures.

7 MR. DE BRANTES: -- I'm saying, isn't  
8 that the way the all cause readmissions work --

9 MEMBER AL-KHATIB: I do not --

10 MR. DE BRANTES: -- as well?

11 MEMBER AL-KHATIB: -- know. I don't  
12 know if the person comes back with a stubbed toe,  
13 is that considered a failure?

14 MR. DE BRANTES: All cause readmissions  
15 is all cause readmissions.

16 DR. RASTOGI: So let me add to that.  
17 Being a physician and a cardiothoracic surgeon, and  
18 I appreciate your sentiment, but as a  
19 cardiothoracic surgeon, I want to emphasize that I  
20 want to be accountable for my patient no matter what  
21 happens to them. The stubbed toe is outside the  
22 episode.

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1 MR. DE BRANTES: Right.

2 DR. RASTOGI: So when we create the  
3 episode, all kinds of accidents and things that are  
4 not related to the episode are not included. So  
5 it's not all cause readmission, which is even  
6 broader than that.

7 MR. DE BRANTES: Right.

8 DR. RASTOGI: It is specific to the  
9 episode. But then the patient safety failures  
10 could be process failures, say central line  
11 infections, et cetera, that happen in the hospital.  
12 And if I'm operating in two different hospitals and  
13 if in one hospital my infection rate is higher and  
14 in the other one it's lower, I will move my practice  
15 to the lower infection rate. Because I don't want  
16 my pacemakers to get infected, whether it is because  
17 of me or it's because of a safety failure because  
18 of poor practices at the hospital.

19 MEMBER AL-KHATIB: But the example that  
20 you're using, there's a direct link. I mean,  
21 absolutely, if they come back for an infection for  
22 any reason, I would have to say, did I contribute

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1 to that? But if it's completely separate from what  
2 I did with the procedure -- let me give you an  
3 example. What if the patient receives an ICD and  
4 they come back with an ICD shock for a VT that they  
5 had? Is that -- I helped them, I saved their life.  
6 Are you telling me that, no I'll be dinged because  
7 they came back for an appropriate ICD shock?

8 DR. RASTOGI: So we have defined these  
9 complications specifically. The ICD shock is not  
10 there, okay? So if you look at the list of PACs,  
11 they are all given. This is not as part of the list.

12 MR. DE BRANTES: Right.

13 DR. RASTOGI: So ICD shock is not there.

14 CO-CHAIR GEORGE: I'm going to cut this  
15 off. I think these will fall into the measures  
16 specifically, and it's a great discussion. I can  
17 see there's a lot of concern, but I think we'll move  
18 on to the first measure. Leslie?

19 MEMBER CHO: Great; thank you. Okay.  
20 So, we are going to talk about 2740, which is  
21 Proportion of Patients with Coronary Artery Disease  
22 that have a Potentially Avoidable Complication

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1 (during the episode time). And the complications  
2 are for 12 months; is the correct? So I actually  
3 looked through your potential avoidable  
4 complication list, which has 789 potential  
5 avoidable complications. And in some of those  
6 things, I totally understand the reasoning. In  
7 others, it boggles the mind why they are included.  
8 And I will give you some of my favorite examples from  
9 the 789. Here we go.

10 My favorite examples are fall from a  
11 wheelchair or fall from a bed, fever which is  
12 unrelated to any kind of catheter insertion or  
13 anything like that. I think my number one problem  
14 is: I totally fully support the idea in which this  
15 measure was developed, which was that you want to  
16 hold the physicians accountable for what has  
17 happened in the hospital.

18 What I don't think we should, and there  
19 is no evidence for, is the one year time window.  
20 And the 789 potentially avoidable complication is  
21 -- I find it unfathomable that anybody would hold  
22 a physician, even if we put that potential word in

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1       there, responsible for these. I just -- it boggles  
2       the mind.

3                   DR. RASTOGI: Okay. So let me respond to  
4       the 749 first or 789 or as many number. Our  
5       measures are based on claims data, okay? This is  
6       administrative claims data. So I understand quite  
7       a bit of the numbers or the rules are coming because  
8       of individual codes, all of them may map to the same  
9       thing, say line sepsis, it's not one code, but there  
10      are several codes. So when you really count the  
11      types of complications that the numbers, you can  
12      group them all and say if any of these codes come  
13      in, it suggests it's line sepsis. And then that  
14      complication is really line sepsis.

15                  MEMBER CHO: But how does that make any  
16      sense? So I would understand -- that, to me, makes  
17      no sense to me. Because what it tells me is, if I  
18      have a patient that got admitted for unstable  
19      angina, which is CAD, which is one of the things that  
20      will get a patient in here, and then they go home,  
21      I treat them well, they go home and in a couple of  
22      weeks later or months later, they fall out of bed

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1 because they tripped on a rug, then it is counted  
2 as potentially avoidable complication.

3 MR. DE BRANTES: Right.

4 DR. RASTOGI: No, only if that claim  
5 carries a CAD diagnosis.

6 MEMBER CHO: But it will -- so we are  
7 both, you are a cardiothoracic surgeon, I'm an  
8 interventional cardiologist, we do DRG coding, we  
9 do ICD-9, now we're going to do ICD-10, God bless,  
10 and the --

11 (Laughter.)

12 MR. DE BRANTES: Or not.

13 MEMBER CHO: -- but the thing is, when a  
14 patient comes in and we list the discharge diagnosis  
15 that somebody will put in fall out of bed, fracture  
16 a femur, and then put CAD as a secondary diagnosis.

17 DR. RASTOGI: So the principle --

18 MR. DE BRANTES: It wouldn't count.

19 DR. RASTOGI: -- diagnosis counts, the  
20 secondary doesn't count, for the in-patient stay.  
21 So each claim goes code-by-code and there are rules  
22 and definitions, and they're not going to be

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1 unreasonable to physicians, okay? The idea of  
2 creating these measures is not to hold physicians  
3 -- I'm a physician, I want to protect them honestly.  
4 So I was very, very careful when we entered these  
5 definitions and the rules.

6 MEMBER CHO: But help me understand then.

7 DR. RASTOGI: Yes.

8 MEMBER CHO: Because I just don't  
9 understand it then. So help me to -- explain it to  
10 me.

11 MR. DE BRANTES: All right. So let me  
12 address one issue, which is when you look at the  
13 data, what you see is that these what you might  
14 consider random events end up by being distributed  
15 fairly uniformly across all providers. So it's not  
16 -- that's not what creates the signal in the overall  
17 rate of avoidable complications because it's noise  
18 in the data. But sometimes the noise can get to a  
19 point where it actually creates a strong signal.  
20 And that's the point which is -- you want to know  
21 what's going on systemically with the patients.

22 And the noise everyone ignores, but when

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1       there is a signal strength, then you can pay  
2       attention to where that signal strength comes from.  
3       And we can't predict where that signal strength  
4       comes from. But we can observe where it comes from  
5       when we run the analyses in data sets. And that's  
6       what's important, is the feedback about the signal  
7       strength of the measure and what it tells you as a  
8       practicing physician about what's going on with  
9       your patient, both in an in-patient setting as well  
10      as an out-patient setting. The randomness of the  
11      patient who might have an event here and there is  
12      just not going to create signal strength in the  
13      kinds of reliability tests that were shown.

14               MEMBER DELONG: If you have enough noise  
15      in your data, it will camouflage the signal.

16               MR. DE BRANTES: But it doesn't appear  
17      to, right? So I mean, our testing is pretty clear  
18      on that.

19               MEMBER VIDOVICH: So, I'm on the review  
20      for the hypertension measure, and I had very similar  
21      concerns that Leslie had. And I feel this is some  
22      sort of a big-data measure that I see like, and I'll

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1 give you an example that's been bothering me.  
2 Several years ago, there's an article in New York  
3 Times how insurance companies look at the purchase  
4 of generic car change oil in a huge department store  
5 and then predict default on credit card debt later  
6 on, right? Assuming you don't have enough money to  
7 go to, whatever, Midas, right, and you buy your oil  
8 and change your own oil. So they included a huge  
9 number that a big data credit companies can include.

10 And, again, looking at some of the level  
11 one potential avoidable complications, let's say  
12 for hypertension, VF, acute systolic heart failure,  
13 I would buy that, right? But that's something I  
14 could look in a year later. But then, there's  
15 another one, level one, how are they causing adverse  
16 effect with therapeutic use? I mean, that's really  
17 tough to put together a general anesthetic not being  
18 used. And then if you go further down is  
19 antipyretics causing adverse effect with  
20 therapeutic use as a Type One potentially avoidable  
21 complication. If you go further down in this list,  
22 then it's impaction of intestine unspecified,

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1       that's a level two. And I can go on and on, there's  
2       a bunch of them. Poisoning by vitamins not  
3       elsewhere classified.

4               So certainly, when you throw in a lot of  
5       data and you throw in -- there's a statistical model  
6       that they're using, this is a, I think, regression  
7       model, you will end up with some sort of  
8       statistical, but this is association. This is by  
9       no means causation. And the more numbers you put  
10      in there, you will get a statistical, and if it gets  
11      up to 0.9 the more episodes and the more provider  
12      you include. But I seriously doubt that we can do  
13      big data association to ding a physician for some  
14      potential causation. I don't know. It might be  
15      very -- there may be huge unintended consequences  
16      to this that I see here.

17              CO-CHAIR GEORGE: Sana, Linda, and Judd?

18              MEMBER AL-KHATIB: The one comment that  
19      I want to add is I appreciate your clarification  
20      that what you're looking at is -- you're not looking  
21      at people with none of these complications. You're  
22      basically looking at outliers, if you will, people

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1 who have worse outcomes than other people. I  
2 appreciate that totally.

3 But that also is a reflection of the  
4 patient case mix that you have. And you're going  
5 to say, well, we adjusted for that. But at least  
6 for the pacemaker and ICD variable, I mean, measure,  
7 and we're going to get to that, you use 170 variables  
8 in the model to adjust for those. That to me  
9 creates a lot of concerns. I mean, is it  
10 practicable? Is it even doable to think that we're  
11 going to be able to adjust for 170 factors? And even  
12 after the most rigorous adjustments, can you really  
13 adjust for and eliminate all those differences in  
14 the patient mix? So that is another unintended  
15 consequence that people may start now selecting  
16 patients. That I'm just going to operate or  
17 implant pacemakers, ICDs, on the healthiest of the  
18 healthiest.

19 CO-CHAIR GEORGE: So I just want to  
20 mention that we're still discussing the evidence.  
21 Go ahead.

22 MEMBER BRIGGS: So I would say that all

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1 of these measures kind of have similar problems.  
2 And on -- I have the heart failure one. And so one  
3 of the things that I was looking at the 800 plus  
4 untoward things that can happen, PACs, in those  
5 groups of patients. And an unforeseen  
6 complication of using this measure, I think you're  
7 going to be dinging a lot of people for  
8 hypopotassemia is one of the untoward things that  
9 can happen.

10 So if a diligent provider is monitoring  
11 their patient and getting blood work to check and  
12 make sure that the diuretics are not causing  
13 problems there, then you end up with a diagnosis of  
14 hypopotassemia or hypokalemia. And if you're  
15 going to treat that, you want to be able to bill for  
16 it, so you're going to put the code down, which means  
17 now you've gotten an untoward complication for  
18 something that you're trying to avoid. That you've  
19 actually monitored for it to try and prevent it, and  
20 now you've found it -- even if it's a K of 3.4 and  
21 you decide you want to give them K-dur for it or tell  
22 them to do something like drink orange juice or

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1       whatever, change to a potassium-sparing diuretic --  
2       same kind of thing.

3               You're actually hurting the provider  
4       for monitoring to avoid complications in that  
5       particular scenario.   And you picked that up  
6       because it's associated with heart failure.   You  
7       see that and hyponatremia, all those things, when  
8       you do that data analysis that you're talking about.

9               CO-CHAIR   GEORGE:   So,   Judd,   new  
10       comments?

11              MEMBER HOLLANDER: I mean some of these  
12       aren't potentially avoidable, I mean, these are  
13       just things that are going to happen.   And some of  
14       them are going to happen because it's a side effect  
15       of the treatment that is evidence-based, based on  
16       the guidelines and you check it because you expect  
17       it to happen.   I don't think when we start somebody  
18       on a diuretic, we expect their potassium to be  
19       normal, particularly at the beginning.   We monitor  
20       to see where it's going to go.   So to me, that's not  
21       even a potentially avoidable complication; that's  
22       good monitoring and detecting something that we

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1 expect with happen some percentage of the time.

2 I think my bigger issue with this is:  
3 what's the right answer? It shouldn't be zero.  
4 What is -- even if you accepted there's 890 things  
5 that are all preventable and we could do that, where  
6 should we be living on this? That's one. And then  
7 the final thing, which I think is more important,  
8 hypokalemia and death are not on the same scale, but  
9 if they all add up and just count as a one, that's  
10 a little bit of a problem to me. Because there's  
11 preventable catastrophic things and there's  
12 relatively trivial things.

13 CO-CHAIR GEORGE: New comments that  
14 haven't already been discussed?

15 MEMBER VIDOVICH: Just one quick  
16 comment. For the adjustment, a multiple  
17 adjustment is done for baseline medical conditions,  
18 but there is no adjustment for race, at least in the  
19 hypertension, nor sociodemographic features. So  
20 you may actually -- so I think this is incompletely  
21 adjusted data, the way I see this. At least the  
22 hypertension measure.

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1 CO-CHAIR GEORGE: Any new comments on the  
2 evidence that we haven't discussed?

3 MR. DE BRANTES: On the last point, there  
4 is no way to adjust for socioeconomic difference  
5 using claims data. So while we wish there were,  
6 there isn't. And the moment that health plans and  
7 other payers systematically capture the ethnicity  
8 of the patients, then we can include those and  
9 adjust with models. But until then, you can't do  
10 it.

11 MEMBER DELONG: So this is something that  
12 really concerns me. Because we are going to assess  
13 performance of providers and we keep saying, we  
14 don't have what we really need, but this is the best  
15 we can do. Well, I would not want to be assessed  
16 on the best we can do if it is not adequate.

17 DR. RASTOGI: Maybe I'll comment on that.  
18 There was a very interesting study that New York  
19 Montefiore Hospital took on using our measures  
20 because they were very interested in our PAC  
21 measures. And they took great pains to do a  
22 sociodemographic adjustment. So they found the

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1 race, ethnicity; they matched it up; they linked it  
2 to claims data. One physician put his whole life  
3 on it. How many years? Three, four years ago.

4 And they took 18 months trying to get  
5 that data matched up, analyzed, and in the end after  
6 they did the risk-adjustment, they realized that  
7 this was all pointless. And the reason is, they  
8 were increasing the disparities, and they realized  
9 that doing this thing -- this kind of adjustment was  
10 sending the wrong signal to the physicians in New  
11 York State, and so they decided to back off. The  
12 guy quit his job.

13 MR. DE BRANTES: Right. The point  
14 being, if you adjust for -- in their instance, their  
15 conclusion was, if you adjusted for the ethnicity  
16 of the patients, you would perpetuate a difference  
17 in, accepting a difference in the treatment of  
18 patients of different races.

19 MS. MARINELARENA: So again, back to  
20 evidence. I just want to remind everybody what the  
21 requirement is for an outcome. So we're looking  
22 for the rationale supports the relationship of the

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1 health outcome, outcome to process, or structures  
2 of care. Okay. I don't think we've had a  
3 discussion on the evidence itself.

4 MEMBER CHO: Well, I think we made our --  
5 at least for me, I think there is no evidence that  
6 the rationale supports the relationship of health  
7 outcome. Because for the 789 potentially  
8 avoidable complication, in my mind, I just don't see  
9 the evidence.

10 MR. DE BRANTES: Right. Let me just make  
11 one final point on that issue. As payment moves,  
12 whether people like it or not -- we happen to like  
13 it -- but as payment moves to value-based payment,  
14 all this is in. Whether you like it or not. All  
15 this is in, and then some. And then some.

16 MEMBER CHO: I'm only one person voting  
17 my conscience on this thing. And all I have to say  
18 is: this is a measure, my name is on one of these  
19 committee things, and in my honest opinion, I cannot  
20 endorse a measure that holds a physician  
21 responsible for one year for potentially avoidable  
22 complications that are 789. I cannot. And

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1       there's no evidence in my mind. And I mean, that's  
2       it. And I understand the field going this way; I  
3       understand the insurance companies; I understand  
4       the state of the healthcare in America. But I just  
5       have to vote how I feel.

6               DR. RASTOGI: I want to make a couple of  
7       comments, just feedback on the comments that were  
8       made. Death is not a potentially avoidable  
9       complication in our measure, partly because it was  
10      very difficult to measure death. Once they are  
11      dead, then their claims didn't come back, unless it  
12      was an inpatient mortality, so mortality's not  
13      there at all.

14             These are PACs that perhaps could be  
15      avoided by the physician or by the team that's  
16      working with them. I appreciate your point that  
17      one PAC could be very minor, and another PAC could  
18      be very big, but for a provider, if they have one  
19      bad outcome amongst all their patients, it's just  
20      one bad outcome.

21             But if every patient has some bad  
22      outcome or the other, then there's something going

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1 on. There's some issue with that physician. As  
2 Spencer mentioned, we are seeing this variability.  
3 So when you talked about fluid and electrolyte  
4 disturbances with hypokalemia as an example,  
5 because it was in the comments, I reviewed it back.

6 Only 5.79 percent of the heart failure  
7 patients had that PAC listed there, so only 349 out  
8 of the 6,000 odd episodes had that particular issue.  
9 If heart failure hypokalemia is such a big issue,  
10 it didn't show up in our case. Just to make that  
11 point that whatever we are seeing in the data,  
12 that's what is being captured.

13 So when you said that some of these PACs  
14 don't make sense, yes, some of it is also derived  
15 because the PACs were done based on the clinical  
16 classification software from EHRQ. So if it's  
17 written poisoning, much of that whole group has been  
18 taken together. To the extent it doesn't happen in  
19 a patient, it never shows up, and the baseline is  
20 what we are looking at, where is the baseline, and  
21 then is their signal -- is a given provider  
22 significantly worse than that baseline, and can we

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1 keep pushing this baseline down? Can this provide  
2 transparency? Can this provide a way to help  
3 providers improve?

4 Since our measures have been used in  
5 that way in many states, including like Calcas in  
6 California use this for process improvement. They  
7 were so excited. The physician group took it on,  
8 and they wanted to test it, and they wanted to do  
9 process improvements.

10 CO-CHAIR GEORGE: Excuse me. We have a  
11 question on the phone from one of our members.

12 MEMBER JAMES: Yes, hi. This is Tom  
13 James. To jump in on this, representing a Medicaid  
14 plan recently, and now with a commercial health  
15 plan, I think we do have a lot of that access to  
16 information. If we go back to -- so we can  
17 understand the ethnicities and the race, the whole  
18 class set of standards.

19 If we go back and look at what is our  
20 whole point, which is improving the healthcare of  
21 this country, and we use this not with the  
22 expectation that we will ever hit 100 percent, but

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1       that we can look to constant improvement over time  
2       on this kind of a measure, I think this is an  
3       important measure, and it is a positive one. Thank  
4       you.

5                   CO-CHAIR GEORGE: Thanks, Tom.

6                   DR. BURSTIN: Just one quick process  
7       point again. I know this is difficult. Two quick  
8       things. This is not at the individual physician  
9       level of analysis. I think that's really  
10      important. When these measures came through the  
11      first round to our prior committees, they felt  
12      strongly this would not be appropriate at the  
13      individual level.

14                   In fact, this has come back at the group  
15      and health plan level, so just one point of  
16      clarification because we keep saying the individual  
17      doc, the individual doc. It's not. For many of us  
18      who practice in academic health centers, the group  
19      is enormous. So again, keep that in mind.

20                   Secondly, we want you to -- obviously,  
21      we're here because of your expertise, but we also  
22      need you to look at what's on the forms. So this

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1 is really about is there evidence of the rationale?  
2 So again, there is a rationale provided. You can  
3 accept it or not accept it, but it's a little bit  
4 less about your conscience and more about looking  
5 at our criteria and looking at what's on the form.  
6 I just want to be just a little more clear on that.

7 MEMBER CHO: So in the worksheet, it  
8 actually says clinician. Level of analysis is  
9 clinician, page 1.

10 DR. BURSTIN: It's clinician slash --  
11 it says group.

12 MEMBER CHO: And then clinician colon  
13 individual.

14 DR. RASTOGI: That's right.

15 DR. BURSTIN: But that's not the case  
16 anymore, sorry.

17 MR. DE BRANTES: But again, it's  
18 contingent on the testing or the reliability of the  
19 measure, and it's at multiple levels of units of  
20 measurement.

21 If you don't get reliability at the  
22 individual provider level, then you look at the

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1 practice, and you look at the group, and you look  
2 at the health system. The goal is to get to  
3 reliable measures on individual physicians.  
4 There's no question about that. That's what we all  
5 want. That's what consumers want. Yes,  
6 absolutely.

7 DR. RASTOGI: But quite often,  
8 providers work in groups, so if there's coverage  
9 over the weekend and they would rather submit it  
10 together, as a team, then that option exists.

11 CO-CHAIR GEORGE: George?

12 (No audible response.)

13 CO-CHAIR GEORGE: Yes, I would just say  
14 that I'm trying to understand how these things are  
15 related to something that the physician/physician  
16 group practice could make actionable. I think for  
17 me, there's just a lot of disconnect. That's just  
18 my opinion. Any other --

19 MEMBER PHILIPPIDES: -- before, but  
20 that's sort of what I was struggling with. Before  
21 we vote, is the level of analysis here at the  
22 physician level? Because it's unclear from the way

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1       that it was written.  You're saying, no, Helen,  
2       it's not.  It's at the facility/hospital level?

3               MR. DE BRANTES:  It's at the level --

4               MEMBER PHILIPPIDES:  For me, that's a  
5       big difference before I vote.

6               MR. DE BRANTES:  It's at the level at  
7       which you achieve reliability in the score of the  
8       measure.  If you can get it at the physician level,  
9       then it's at the physician level.

10              DR.  BURSTIN:       The    form    says  
11       (Simultaneous speaking).

12              MEMBER BECKER:  I want to make a point.  
13       We're discussing evidence.  The evidence that's  
14       been supplied is that there's an association  
15       between these things and a diagnosis.

16              An association is not causality.  We  
17       have no systematic reviews.  We have no randomized  
18       controlled trials.  We have nothing that actually  
19       says that those 792 or the 800 have any causality  
20       in any of this, and we don't have the kind of  
21       scientific data that we've been talking about for  
22       evidence review.

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1 MS. WILBON: Because this is an outcome  
2 measure, that requirement is different, obviously,  
3 because process --

4 MEMBER BECKER: Still, association is  
5 not causality.

6 (Simultaneous speaking.)

7 MEMBER VIDOVIICH: It's really -- I have  
8 to say, really bothering me. Since there is no  
9 causation, what is the physician to do? Because we  
10 know that ACE and ARB improve every function in  
11 heart failure in people to reduce mortality, but  
12 what is a physician to do to reduce one of these 750?  
13 I don't see the causality. What will either a  
14 physician or healthcare system or the intake nurse  
15 do to improve this number, which is not zero or 100?

16 MR. DE BRANTES: If I could answer that  
17 because the measures are actually in use in multiple  
18 parts of the country. What the physicians have  
19 done, first of all, is generally thank us for the  
20 reports that are generated on these avoidable  
21 complications and immediately keyed in on potential  
22 issues that get to causality.

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1           Claims data don't get you to causality.  
2       We're not inferring causality.       What we're  
3       observing is that these events are occurring, and  
4       they're occurring at a high frequency and very  
5       variably.

6           When the physicians get the reports  
7       back, they've systematically gone back to medical  
8       records, looked at, and tried to understand the  
9       potential causality, and then acted on that and  
10      reduced their rates of avoidable complications.  
11      So these measures actually happen to be very  
12      actionable, and those who have gotten the reports  
13      on them have found them very useful.

14           MEMBER VIDOVIICH: Do you have data to  
15      demonstrate that there is actually -- if you act  
16      upon these measures, you get results?

17           MR. DE BRANTES: Yes, we've seen rates  
18      of avoidable complications go down in all of our  
19      implementations.

20           DR. RASTOGI: Yes, and interestingly,  
21      like the heart failure rate for the inpatient, it's  
22      only 5 percent now. Six years ago, seven years ago,

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1 the whole CHF PAC rate was more than 70 percent, 75  
2 percent.

3 CO-CHAIR GEORGE: Okay, let's really  
4 stick to the evidence question. Any more comments  
5 on the evidence? All right, we'll vote on the  
6 evidence.

7 MS. IBRAGIMOVA: Importance to measure  
8 and report 1A evidence, health outcome or PRO, 1  
9 yes, 2 no.

10 (Voting.)

11 MS. IBRAGIMOVA: It's capturing. It  
12 just doesn't say it on the screen. The results are  
13 3 votes for yes, 14 votes for no, so it does not pass.

14 CO-CHAIR KOTTKE: Okay, 2747,  
15 proportion of patients with heart failure that have  
16 potentially avoidable complication during the  
17 episode time window, Michael Crouch and Linda  
18 Briggs. Linda's going to do the primary.

19 MEMBER BRIGGS: I've kind of already  
20 said my piece about the evidence related to the  
21 heart failure. It kind of goes the same way that  
22 just because you run the dataset, look at the

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1 frequency of things that happen with people that  
2 have heart failure, that association does not mean  
3 that there is a link there. Yes, there could be,  
4 but we're asked, again, to look at the quality,  
5 quantity and consistency of the evidence, and it's  
6 not there.

7 CO-CHAIR KOTTKE: No, you don't need to  
8 look at QQC for outcome measures.

9 PARTICIPANT: Right.

10 MEMBER BRIGGS: Okay.

11 CO-CHAIR KOTTKE: It's just is there a  
12 potential association -- or an association, sorry.

13 MEMBER BRIGGS: Still, the evidence  
14 that was presented was tangential. It was not  
15 directly related to the measure. Michael, do you  
16 have anything else that you wanted to say about  
17 that?

18 MEMBER CROUCH: If the list of heart  
19 failure related potentially preventable things  
20 were longer and more clearly potentially related to  
21 heart failure, I'd be all for it. However,  
22 including things like psychotic break, one of my

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1 favorites, how can you possibly relate that to heart  
2 failure, I cannot conceive.

3 There's a long -- gastritis. How  
4 that's related to heart failure, beyond me.  
5 There's way too many things in here that even if  
6 they're specifically associated with patients,  
7 with certain providers having more of those things,  
8 what that has to do with heart failure is totally  
9 obscure to me.

10 CO-CHAIR KOTTKE: I'm sensing a  
11 direction. Judd, do we --

12 MEMBER HOLLANDER: A different comment  
13 on this. One of the things that perplexes me and  
14 makes this hard for me to get over is I believe this  
15 is the first set of measures I've seen in my three  
16 times around this table where I don't really know  
17 who I'm measuring.

18 I mean I understand your answer. It's  
19 where you achieve reliability. I actually would be  
20 totally fine with this at a health system level or  
21 an ACO level because they're supposed to manage care  
22 of the totality of the patient. I'm not okay with

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1       this at the individual clinician level for the  
2       reasons that people have voiced.

3               We have seen measures come in, I don't  
4       remember the numbers, but Measure 1, which is blah,  
5       blah, blah at the clinician level, and Measure 2 is  
6       blah, blah, blah at the health system level. I  
7       think this might actually be easier to accept, at  
8       least by me, if it was at a bigger level, rather than  
9       potentially at the individual clinician level.  
10       I'm trying to be at least a little bit encouraging  
11       because there are things that make sense, but it  
12       might not to the group -- the individual clinician  
13       level.

14               CO-CHAIR KOTTKE: Ellen.

15               MEMBER HILLEGAS: I think this would be  
16       good discussion for a minute or two of what would  
17       be acceptable? Because I think, also, cutting down  
18       the number from 769 with some of these  
19       ridiculous -- 846 this time, I'm sorry. If we cut  
20       it down to a reasonable number of appropriate  
21       complications, I think that might also help drive  
22       all of these measures forward.

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1 I think these measures are very, very  
2 valuable, but it's very similar to what we see in  
3 the hospital, where they've decided there are too  
4 many infections with indwelling catheters, so  
5 everybody's catheter gets pulled out, even if  
6 they're 24/7 bed rest on propofol.

7 So some of these things are a little bit  
8 ridiculous. Maybe if we cut down the number and  
9 made it appropriate for the diagnosis, as well as  
10 made it at a healthcare provider or facility level,  
11 and not a provider, I think you could have a very,  
12 very strong measure. But I think at this point,  
13 from what we're all talking about, the number of the  
14 problems and the level that you're looking at, I  
15 don't think any of these measures are going to go  
16 forward.

17 But I do think they're valuable. I  
18 really do think the information is valuable. I  
19 think you have something here. I agree with you  
20 that we're going to value-based, but I think at this  
21 point, right now, what you've presented us probably  
22 is not going to pass because of the number and the

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1 level that it's at.

2 PARTICIPANT: Yes, no I mean we -- I  
3 think that message is pretty clear.

4 CO-CHAIR KOTTKE: Let me ask a  
5 rhetorical question, here. Does anybody feel that  
6 they're going to vote markedly different than they  
7 did on the last measure?

8 Then I think we ought to just vote and  
9 move on. Does anybody object to that strategy?  
10 We're voting on the evidence.

11 MS. WILBON: Oh, okay. Yes, sorry, I  
12 thought you were --

13 MS. IBRAGIMOVA: Importance to measure  
14 and report 1A evidence, health outcome or PRO, 1  
15 yes, 2 no.

16 (Voting.)

17 MS. IBRAGIMOVA: Tom, can you please  
18 send your vote via text?

19 MEMBER JAMES: Oh, I did vote text and  
20 chat this time.

21 MS. IBRAGIMOVA: Okay, thank you. We  
22 just received it.

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1                   MEMBER JAMES: I just wanted to get  
2 double credit.

3                   MS. IBRAGIMOVA: The results are 2  
4 votes for yes, 15 votes for no. This measure does  
5 not pass.

6                   CO-CHAIR KOTTKE: Okay, I've been  
7 instructed by Mary to do the same thing for 2748,  
8 proportion of patients with hypertension that have  
9 a potentially avoidable complication during the  
10 episode time window. Mladen? Henry's somewhere  
11 outside the country.

12                  MEMBER VIDOVICH: I think this is a  
13 similar measure to the ones we previously  
14 discussed, and I think much has been said. I would  
15 say I'd like to take the opportunity to say I think  
16 this is the future. I think big data is the future,  
17 and I think increasing computing power will allow  
18 us to do this, but I think these are not ready for  
19 prime time.

20                  I think they need additional  
21 adjustment, additional refinement, and I think with  
22 some, maybe, prospective data to show us that really

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1 acting upon this number does change outcomes and  
2 benefits the overall population. But at this time,  
3 as presented, I don't feel I'm comfortable voting  
4 for this.

5 CO-CHAIR KOTTKE: Mary wants to say  
6 something.

7 CO-CHAIR GEORGE: I just wanted to ask  
8 if the evidence was the same for this measure as it  
9 was for the first measure?

10 MEMBER VIDOVICH: Yes, there is also  
11 similar absence of evidence, yes.

12 CO-CHAIR GEORGE: Okay.

13 CO-CHAIR KOTTKE: I'm sort of reminded  
14 of a paper I wrote and looking at when Oliver Wendell  
15 Holmes suggested that obstetricians spread  
16 puerperal sepsis, and all the obstetricians said we  
17 don't understand how the hell this can happen. How  
18 can you blame obstetricians for these things that  
19 obviously have nothing to do with obstetrician  
20 behavior? Now I'll catch the slings and arrows of  
21 outrageous fortune from you guys, but I think there  
22 are associations here. Are we ready to vote?

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1 Anybody have --

2 MS. IBRAGIMOVA: Importance to measure  
3 and report 1A evidence, health outcome, or PRO, 1  
4 yes, 2 no.

5 (Voting.)

6 CO-CHAIR KOTTKE: While we're waiting  
7 for the vote, I'd also like to raise sort of a  
8 rhetorical question. If they came back at a  
9 facility level, sort of show of hands, how many  
10 people would say that they'd consider that this  
11 would be something that could --

12 MR. DE BRANTES: We're not doing that.

13 CO-CHAIR KOTTKE: Okay.

14 PARTICIPANT: Updating facility for --

15 (Simultaneous speaking.)

16 MR. DE BRANTES: No, I know, but we're  
17 not going to change all of our measures that are  
18 important to consumers to please a committee.

19 CO-CHAIR KOTTKE: Okay, that's the  
20 answer.

21 MR. DE BRANTES: It doesn't matter  
22 whether it passes here or not.

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1 MS. IBRAGIMOVA: The results are 3  
2 votes for yes, 14 votes for no. This measure does  
3 not pass.

4 CO-CHAIR KOTTKE: Since lunch isn't  
5 until 12:30, let's move on to 2749. George, this  
6 is proportion of patients with arrhythmia that have  
7 potentially avoidable complications.

8 MEMBER RUGGIERO: George and I spoke  
9 about this last evening, and once again, we had a  
10 little difficulty wrapping our heads around it. I  
11 think this morning's discussion helped a lot.

12 To talk about the evidence, they do cite  
13 some papers here, about seven articles, which show  
14 that there is a correlation between the Type I PACs,  
15 and giving reference to patients who then  
16 subsequently have events related to that.

17 Then I looked at other chronic medical  
18 conditions and subsequent events related to having  
19 chronic medical conditions. I think that's the  
20 correlation that they're drawing. I think it does  
21 show what they're trying to look for going forward  
22 with the measure.

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1 CO-CHAIR KOTTKE: Somehow, I got a  
2 disconnect in there. Can you restate? Do you  
3 think there's evidence?

4 MEMBER RUGGIERO: If I'm reading this  
5 correctly -- and once again, it was a little bit  
6 complicating. They do give a bunch of references  
7 here which essentially say why they're trying to go  
8 ahead and look at patients who have arrhythmias.  
9 The one that they state specifically is atrial  
10 fibrillation, if I'm reading this correctly.

11 In the patients who have atrial  
12 fibrillation, with the data that they show, they  
13 will have complications that occur related to the  
14 atrial fibrillation, which is the Type I PAC, which  
15 they describe. They also show that other chronic  
16 medical conditions will have similar PACs. So they  
17 draw the correlation that you will -- with A fib,  
18 you're expected to have PACs that are directly  
19 related to atrial fibrillation, and that with other  
20 chronic medical conditions, you will have PACs.

21 They're just showing a correlation that  
22 whatever your chronic medical condition is, you'll

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1 have adverse events, some of which will be related  
2 to the medical condition, some of which will just  
3 be random. Is that sort of what I'm reading from  
4 it? That's what they show as far as evidence, just  
5 showing that there are papers to support that if you  
6 have an arrhythmia, or if you have a chronic medical  
7 condition, you're going to have adverse  
8 complications that will occur secondary to the  
9 arrhythmia, or just secondary to having a chronic  
10 medical condition. Is that correct?

11 CO-CHAIR KOTTKE: George?

12 MEMBER PHILIPPIDES: Agreed. We've  
13 already clarified the issue of facility level  
14 versus individual level. That was one question  
15 that I had. Again, it seemed to me that the PAC 1  
16 group definitely related to physician performance.  
17 Many of the PAC 2 issues, but many not. For that  
18 reason, I have the same concern about what level  
19 we're really evaluating here.

20 CO-CHAIR KOTTKE: Further discussion?  
21 Hearing no further discussion, let's vote on the  
22 evidence for 2749, proportion of patients with an

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1 arrhythmia that have potentially avoidable  
2 complication during the episode time window.

3 MS. IBRAGIMOVA: Importance to measure  
4 and report 1A evidence structure process  
5 intermediate outcome, 1 high, only eligible if QQC  
6 submitted, 2 moderate, 3 low, 4 insufficient.

7 CO-CHAIR KOTTKE: There's no QQC  
8 required. It's an outcome. You know how to vote.

9 MS. IBRAGIMOVA: So importance to  
10 measure and report 1A evidence, health outcome or  
11 PRO, 1 yes, 2 no.

12 (Voting.)

13 MS. IBRAGIMOVA: The results are 5  
14 votes for yes, 12 votes for no. I believe it does  
15 not pass.

16 CO-CHAIR KOTTKE: Mary says I'm on a  
17 roll -- 2751, proportion of patients undergoing  
18 angioplasty procedure that have potentially  
19 avoidable complication. Joe?

20 MEMBER CLEVELAND: We've obviously had  
21 a robust discussion about a few things. I guess,  
22 at least taking this from the evidence perspective,

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1 I think is a -- I echo some of the sentiments that  
2 fever maybe is not equally as weighted. That's one  
3 of the things maybe we can talk to, I'll focus on  
4 the evidence.

5 I think, again, from purely an evidence  
6 standpoint, yes, there is evidence that avoiding  
7 complications after defined intervention, like an  
8 angioplasty, is going to result in better outcomes.  
9 So I think from that standpoint, you could say there  
10 is evidence --the developer presents evidence in  
11 this, again, in a similar fashion, with some of the  
12 other trials, or some of the other Type I/Type II  
13 complications, etc.

14 But there are evidence from some of the  
15 commercial payers that they cite to suggest that  
16 avoiding these complications in other models, it  
17 seemed to follow logically that if you avoid a  
18 complication, it's going to be a better outcome. I  
19 think the evidence for this I support.

20 CO-CHAIR KOTTKE: I'm the other  
21 reviewer. I have nothing more to add. Anybody  
22 have anything they wish to say about -- yes, Leslie?

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1                   MEMBER CHO: I think this is a different  
2                   measure than the ones we have been looking at. This  
3                   is 90 days, which is -- it's a much more shorter time  
4                   than the one year. I think that for me, this  
5                   measure makes much more sense because it's a  
6                   self-limited, time-limited thing related to a  
7                   particular procedure. I don't want everybody to  
8                   think that this is a me too measure on the other  
9                   measures.

10                  DR. RASTOGI: To that point, I want to  
11                  add pacemaker was 30 days.

12                  CO-CHAIR KOTTKE: Liz?

13                  MEMBER DELONG: So how many -- I'm  
14                  sorry, I don't have it in front of me. How many  
15                  complications are included in this one?

16                  DR. RASTOGI: It depends how you count  
17                  it. If you look at the categories, sepsis is one,  
18                  but it may have 180 codes. Then you will have 180  
19                  lines of complications listed.

20                  MEMBER DELONG: So the stubbed toe is  
21                  still in this one?

22                  CO-CHAIR KOTTKE: No, it's never been

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1 in there. Also, there's not really 800 --

2 MR. DE BRANTES: Stubbed toe isn't on  
3 this one.

4 CO-CHAIR KOTTKE: There's not really  
5 800 complications because -- there may be 10 or 12  
6 or 15 for ways to describe a particular event. We  
7 all know about coding, so --

8 DR. RASTOGI: And with ICD-10, it'll be  
9 500 times more.

10 CO-CHAIR KOTTKE: Yes, including  
11 knitting injury -- hand injury by knitting or  
12 something. There's a lot, but it's under 100.  
13 Yes, Joel.

14 MEMBER SPANGLER: Tom, I had a  
15 question. This is listed as a composite and  
16 outcome whereas, the other ones were all just  
17 outcomes. Is that correct, the previous ones?

18 DR. RASTOGI: They're all composites.

19 MEMBER SPANGLER: Because I don't  
20 think -- okay.

21 (Simultaneous speaking.)

22 CO-CHAIR KOTTKE: -- any or none

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1 composite, and so --- Joel?

2 MEMBER HOLLANDER: I was just going to  
3 say this also seems a little more reasonable to me  
4 to attribute to an individual clinician, someone  
5 who does the PCI. They have some responsibility  
6 for the patient for a short term afterwards. It's  
7 not a whole care team. At least from that point of  
8 view, I could think about this one as being slightly  
9 different than the other ones.

10 CO-CHAIR KOTTKE: Leslie?

11 MEMBER CHO: I'm sure it changes  
12 between this Type I and Type II PACs, your numbers  
13 for the thing. Can you just -- on this measure  
14 alone, can you give me the numbers for Type I and  
15 Type II PACs?

16 DR. RASTOGI: The PAC rate?

17 CO-CHAIR KOTTKE: I think it's a PAC  
18 count. Aren't you asking for the count, the number  
19 of Type I --

20 MEMBER CHO: No, I just want what's the  
21 median --

22 DR. RASTOGI: Between one and two?

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1       Okay. I'll give you in a minute, so if you want to  
2       continue your discussion, but I'll pull it up.

3               To the extent it doesn't come in the  
4       data, don't worry about some of this. Because if  
5       it's 0 percent, it won't hurt any of you.

6               CO-CHAIR KOTTKE: So are we ready to  
7       vote on evidence --

8               DR. RASTOGI: Okay, Type I PAC for PCI  
9       was 37.5 percent, Type II was 21.6 percent.

10              CO-CHAIR KOTTKE: Kristi?

11              DR. RASTOGI: Overall, 47.5 percent, so  
12       there could be overlaps. The same patient may have  
13       Type I, as well as Type II, and providers need to  
14       focus on reducing all of them.

15              CO-CHAIR KOTTKE: Kristi, then George.

16              MEMBER MITCHELL: You might have  
17       already clarified this. Also looking at this at a  
18       population level, so even broader than the health  
19       system, but perhaps a state or national level  
20       because in the write-up it has that.

21              MR. DE BRANTES: Yes, we have looked at  
22       that. In fact, we're looking at county

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1 distributions of rates of avoidable complications  
2 and the differences by county, which is quite  
3 informative. Our goal is to help consumers make  
4 decisions. County-level information doesn't help  
5 consumers make decisions.

6 With our colleagues in the employer  
7 community and the consumer advocacy groups, what  
8 we're looking to do is help consumers make  
9 decisions, and at the same time, provide useful  
10 feedback to providers on these rates of avoidable  
11 complications. Our experience to date -- which has  
12 far, far more evidence behind it than the measures  
13 you just approved for e-measures by the way -- shows  
14 that it's useful for consumers, and it's incredibly  
15 useful for providers, as well.

16 CO-CHAIR KOTTKE: George.

17 MEMBER PHILIPPIDES: Yes, comment on  
18 the questions about the number of PACs. I actually  
19 don't know that I care so much about the number. If  
20 it's 700 that are really good clinical indicators  
21 of care, then that's great. Maybe there should be  
22 900, as long as they're all good.

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1           Similarly, if one or two of them are a  
2           little bit wacky to us, like the stubbed toe, which  
3           is I know is not in there, but the other 800 are  
4           really good clinical indicators, that's not going  
5           to really change the fact that overall, the tool is  
6           still useful for discerning care from one system to  
7           another, or in this case, one provider to another.

8           I'm less interested in the specific  
9           number and an occasional weird one because I don't  
10          think that's going to change the fact that it's  
11          useful or not. What I care about, as you know, is  
12          what level it's at, which is my two cents.

13          CO-CHAIR KOTTKE: Tom James.

14          MEMBER JAMES: You can tell me, Tom,  
15          whether this comment belongs under validity or  
16          here, under evidence. The question I have has to  
17          do with what may be the unintended consequences of  
18          this, just as with the coronary artery bypass  
19          grafting reports that came out 15 years ago or so,  
20          where those physicians who had higher complication  
21          rates ended up leaving New York and Pennsylvania.

22          In part, they were saying it was because

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1 they were dealing with patients that had  
2 greater -- who were more seriously ill, but you end  
3 up with the same kind of thing that perhaps we would  
4 see a total reduction in PCI done, and that could  
5 be good or bad, as a result of having a measure that  
6 looks at avoidable complications. Is that a  
7 validity or is that an evidence question?

8 CO-CHAIR KOTTKE: I don't know. Let me  
9 think about that with my hypoglycemia. Sana.

10 MEMBER AL-KHATIB: One thing that  
11 George said makes sense to me, in terms of it's not  
12 just about the number of these events or these  
13 complications, but it's also about the type of the  
14 complications.

15 I will be stressing this more when I talk  
16 about the pacemaker and ICD, but I find a lot of the  
17 ones that they listed for pacemaker and ICD not  
18 clinically -- not making sense clinically. For  
19 example, a lot of these seem to be pre-existing  
20 conditions. Why are we penalizing the physicians  
21 for something that these people had? Some of them  
22 are congenital issues, if I'm looking at the right

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1 list. Some had to do with flushing, some with  
2 pallor, all these kind of things. If any other  
3 physicians decide to use those codes when they see  
4 a patient, maybe not even in your clinic, you'll end  
5 up dingding the physician. That's the concern that  
6 I have.

7 MR. DE BRANTES: Can I offer a response?

8 CO-CHAIR KOTTKE: Yes, Francois.

9 MR. DE BRANTES: This is also a response  
10 for you, Tom James. Hi, by the way.

11 The measure is a risk-adjusted rate.  
12 We're not dingding anyone. We're calculating  
13 comparative performance of providers on a  
14 risk-adjusted rate. To the extent that your rate  
15 is the same everyone else's, then how exactly are  
16 we dingding you?

17 I think you're confusing a process  
18 measure from an outcome measure. Here, we're  
19 calculating a risk-adjusted rate of potentially  
20 avoidable complications. As we showed, there's  
21 considerable variability in that rate. The extent  
22 to which someone's risk-adjusted rate is

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1 significantly higher than someone else's, then our  
2 evidence suggests, and our data analyses suggest,  
3 there's something very different going on with the  
4 management of the patients with that particular  
5 provider than with other providers. We're not  
6 dinging anyone. We're providing comparative  
7 performance information on a risk-adjusted basis.

8 MEMBER JAMES: I appreciate that, and I  
9 recognize, too, that different risk-adjusting  
10 models end up with different results. I'm just  
11 thinking in terms, though, of reporting this kind  
12 of information, will that end up causing a net  
13 reduction in PCI because people at higher risk, even  
14 if there's risk stratification, physicians may be  
15 less likely to go ahead and perform this procedure.  
16 That could be good or bad. I don't have a value  
17 judgment on that.

18 CO-CHAIR KOTTKE: Let me go to Mike,  
19 then Leslie.

20 MEMBER CROUCH: You keep talking about  
21 the measure being useful. It occurs to me that may  
22 be possible because the wacky codes aren't ever

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1       used.   You've got several hundred codes that I  
2       don't think I've ever used in my life as 35 years  
3       a physician.   I'm wondering why you haven't gotten  
4       rid of the ones that hardly ever appear or never  
5       appear.   That may be cluttering our analysis of the  
6       measure.

7               DR. RASTOGI:   It's the potential for  
8       gaming.

9               MR. DE BRANTES:   This is the unending  
10       issue of both organizations of codes, as you know,  
11       which is a complex issue for anyone who's in the  
12       measure development community, as well as  
13       the -- even with ICD-10, the lack of specificity in  
14       many measures.

15               What we're trying to do, again, here is  
16       create a risk standardized rate of comparative  
17       performance.   So to your point, if some codes are  
18       never used, it just never even comes into play in  
19       the calculation of that particular rate.   But  
20       there's a reason why you have 180 codes, for  
21       example, that are grouped around sepsis because any  
22       one of those can be used at any point in time.

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1                   So           there's           an           unintended  
2           consequence -- very clear unintended consequence of  
3           thinning things down to what you might consider to  
4           be purely acceptable, which is you substitute one  
5           code for another on the billing, and we don't want  
6           these games. None of us want these games. The  
7           goal is not to try to game a measure or not  
8           game -- it's really about how do we improve overall?  
9           How do we understand why there are these significant  
10          differences -- and there are very significant  
11          differences if you look at the data that we  
12          supplied -- and whether or not the measures are  
13          useful to providers in understanding, then how to  
14          tackle the variability that they see and that we  
15          see.

16                   That's what these measures have been  
17          used, and that's what they -- that's where their  
18          power comes from. It's because it reveals the  
19          variability that exists, and it provides an  
20          opportunity, then, to understand the causes of that  
21          variability, and then to act on it. That's the  
22          reason why we're not going to thin down the codes

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1       because we don't want people playing games on codes.  
2       We want, just like what you want, which is process  
3       improvement for care improvement.

4               DR. RASTOGI:   Just one clarification.  
5       The pallor/flushing, it was in the typical list.  
6       It's not in the PAC list.   I checked the workbooks.  
7       So that we gave both lists because the episode  
8       consists of typical and complications, and anything  
9       outside this is not part of the episode.   So the  
10      whole ICD-9 book is so big, but only these are  
11      included.

12              CO-CHAIR KOTTKE:   Yes, Liz, and then  
13      Leslie.   Then I think it's time to vote.

14              MEMBER DELONG:   I don't think any of us  
15      is   not   invested   in   promoting   healthcare  
16      performance, but to endorse a measure, we want to  
17      make   sure   that   we're   dealing   with   quality  
18      performance measures.   I'm not sure that endorsing  
19      a measure that has a variety of PACs that differ a  
20      great deal, from sepsis to something that's  
21      relatively trivial, is -- you can call it dinging,  
22      or you can call it risk standardizing, but you're

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1 comparing people.

2 If you have a huge number of  
3 inconsequential PACs versus somebody with a few  
4 serious ones, you're going to ding or compare that  
5 provider who has a lot of trivial ones unfavorably  
6 to the one who has a few significant ones, and that  
7 bothers me.

8 MEMBER CHO: Final question. Why is  
9 PCI 90 days and pacemaker 30 days?

10 DR. RASTOGI: We worked with the  
11 clinical working groups, and that's what -- the  
12 number they picked. The pacemaker is basically  
13 more an outpatient type of procedure, and they  
14 wanted just to be held accountable for 30 days. We  
15 said fair enough.

16 PCI could have the same argument, and it  
17 could be 30 days, but we saw that sometimes after  
18 PCI, people were coming back for repeat PCIs, and  
19 they were delaying the repeat beyond 30 days. So  
20 wherever you make the cut, they'll just do the  
21 second one afterwards. We discussed with them  
22 about staging of a PCI, so quite a bit of discussion

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1 was around that.

2 CO-CHAIR KOTTKE: Are we ready to vote?  
3 We are ready to vote on -- I guess it's evidence,  
4 we're still on 1A evidence.

5 (Simultaneous speaking.)

6 MS. IBRAGIMOVA: Importance to measure  
7 and report 1A evidence, health outcome, or PRO, 1  
8 yes, 2 no.

9 CO-CHAIR KOTTKE: This is PCI.

10 (Voting.)

11 MS. IBRAGIMOVA: The results are 11  
12 votes for yes, 6 votes for no, so this measure  
13 passes. We'll move on.

14 CO-CHAIR KOTTKE: Okay, Joe,  
15 opportunity for improvement.

16 MEMBER CLEVELAND: The performance  
17 gaps were calculated from PROMETHEUS, a large  
18 administrative claims database, period of study  
19 from April 2012 to December 17, 2014. Data was  
20 present for about half of the PCI -- 5,000 episodes,  
21 5,898 of 10,000 PCI episodes in over 3 million  
22 beneficiaries.

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1           Both unadjusted and risk-standardized  
2       PAC rates have a median of 50 percent, with an  
3       interquartile range of 44 percent to 55.6 percent.  
4       To me, that suggests there is a significant  
5       performance gap that exists.

6           CO-CHAIR KOTTKE: I would agree.

7           MEMBER CLEVELAND: No data was  
8       presented for disparities.

9           CO-CHAIR KOTTKE: Linda.

10          MEMBER BRIGGS: I guess this goes back  
11       to what Liz was saying about how's this data  
12       reported? I would agree that there is an  
13       opportunity for improvement here. It's like when  
14       patients -- when you tell somebody that their  
15       ejection fraction is 55 percent and they think it's  
16       out of 100, then there's their concern.

17                If you tell -- if you report a rate of  
18       50 percent unadjusted complication rate on a  
19       provider or a facility, if they're not looking at  
20       that as comparison to everybody else, then the  
21       consumer -- if this is meant for consumers to look  
22       at -- is going to think that's really a bad score.

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1 It might not necessarily be a bad score. Is that  
2 right?

3 CO-CHAIR KOTTKE: There is variation  
4 around --

5 PARTICIPANT: Yes.

6 CO-CHAIR KOTTKE: There's variability,  
7 so I would interpret that as room for improvement.  
8 Other comments, or can we vote? Let's vote on  
9 performance.

10 MS. IBRAGIMOVA: Importance to measure  
11 and report 1B performance gap, 1 high, 2 moderate,  
12 3 low, 4 insufficient.

13 (Voting.)

14 MS. IBRAGIMOVA: The results are 7  
15 votes high, 6 votes moderate, 2 votes low, 2 votes  
16 insufficient.

17 CO-CHAIR KOTTKE: Specifications,  
18 reliability, reliability testing, Joe.

19 (Simultaneous speaking.)

20 CO-CHAIR KOTTKE: I'm sorry. I jumped  
21 the rails here. Quality construct.

22 MEMBER CLEVELAND: We've had a very

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1 robust discussion about the quality construct. In  
2 this quality construct, too, each PAC is equally  
3 weighted, so again, I won't use stubbed toe, but it  
4 does pose procedural fever, which could -- I  
5 understand the developer in wanting to cast a broad  
6 net, but that's equally weighted with  
7 hemopericardium and other things that could be  
8 potentially viewed as much more significant.

9 I think that's something, again -- I  
10 don't know if we want to have more robust discussion  
11 about that or not, but to throw that out there.

12 CO-CHAIR KOTTKE: Taking the pragmatic  
13 side of how would we create a weighting system that  
14 is other than arbitrary, recognizing that a post-op  
15 fever is not the same as a hemopericardium that -- or  
16 a hemothorax that requires a chest tube.

17 MR. DE BRANTES: Yes, so you can imagine  
18 we had a tremendous amount of discussions about the  
19 weighting. We agree that whatever weighting  
20 schema ends up by being, of course, arbitrary, and  
21 then subject to anyone's arbitration.

22 There is a potential proxy for severity

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1 or weighting, if you will, that we considered, which  
2 is looking at the relative cost. The challenge  
3 there is that while you can capture those for  
4 ambulatory-based avoidable complications, you  
5 cannot capture those for complications that occur  
6 during a hospital stay because all of those costs,  
7 as you know, are lumped into one single bill, and  
8 you can't differentiate the cost of the individual  
9 components.

10 So the more we looked at the different  
11 ways of potentially weighting them, it came down to  
12 there's virtually no way of doing it in a manner that  
13 could be deemed remotely objective and so,  
14 therefore, no weighting seemed like a better option  
15 than weighting.

16 MEMBER DELONG: I agree that any kind of  
17 weighting would be arbitrary and not valid, but then  
18 again, you're lumping fever with sepsis, and is that  
19 valid?

20 PARTICIPANT: It seems fever may be an  
21 indication of sepsis. At least, that's what we  
22 learned in medical school.

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1 CO-CHAIR KOTTKE: Other discussion  
2 around quality construct? Let's vote on quality  
3 construct.

4 MS. IBRAGIMOVA: Importance to measure  
5 and report 1C composite, 1 high, 2 moderate, 3 low,  
6 4 insufficient.

7 (Voting.)

8 MS. IBRAGIMOVA: The results are 0  
9 votes for high, 11 votes for moderate, 2 votes for  
10 low, 4 votes for insufficient.

11 CO-CHAIR KOTTKE: Reliability  
12 specifications, reliability testing.

13 MEMBER CLEVELAND: So the developer  
14 tested reliability of the performance measure  
15 score. Analysis was with a data binomial model,  
16 and also signal-to-noise analysis. I  
17 believe -- and correct me if I'm wrong -- analysis  
18 was carried out only for the facility for this  
19 measure. Is that correct? Which then  
20 encompasses, I think, something that we're a little  
21 more comfortable with.

22 The one thing to note, though, is that

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1 of the 565 facilities initially included in the  
2 dataset, to the points earlier illustrated, because  
3 of the spread of things, it left 41 facilities for  
4 analysis. So it gets down to kind of a volume  
5 relationship of the more PCIs a facility did, the  
6 better the reliability was, with a 0.74. Whereas,  
7 for the ones that you put the cut at just ten PCIs  
8 for a facility, their reliability was not great.  
9 It was 0.5. I think we've heard that expressed.

10 I guess one question is how will this  
11 reliability exist across all facilities? I think  
12 that's just something that is, unfortunately, not  
13 able to be answered, other than just the fact that  
14 there's signal-to-noise in this.

15 CO-CHAIR KOTTKE: This is really a bit  
16 of a conundrum that the low-volume places that you  
17 can't really assess, I would suspect, may be the  
18 ones with the biggest problems. You must have  
19 thought about that.

20 MR. DE BRANTES: Yes, we did. I think  
21 what we have all suffered from are measures that  
22 patently fail reliability testing and that are

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1 still widely used, sometimes endorsed, and around  
2 which inferences are made about the performance of  
3 physicians or facilities in a completely inadequate  
4 way.

5 So our approach to this issue, as I  
6 stated before, is that these scores should only be  
7 calculated on the providers for whom the -- where  
8 the dataset reveals reliability. We suspect that  
9 the answer would be different, by the way, again,  
10 in a Medicare dataset because you have a lot more  
11 volume distributed amongst a lot of facilities.

12 For commercial populations, you're  
13 right, we don't know. So is it better to have a less  
14 reliable measure that creates a poor inference, or  
15 in this case, you probably would end up with -- we  
16 looked at it. You would end up with  
17 undifferentiated performance, which we think is  
18 actually a worse signal to provide than no score at  
19 all.

20 Then it's up to the, I think, consumers,  
21 the payers, to draw inferences about do you actually  
22 want to go to a facility on which a score -- a

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1       reliable score of performance cannot be calculated  
2       because they have inadequate volume than going to  
3       a facility for which a reliable score can be  
4       calculated?

5                   CO-CHAIR KOTTKE:     I have another  
6       question. I know you don't want to go here, but  
7       does the narrowing the scope of codes change  
8       reliability by -- doesn't do anything? Okay.  
9       Does Linda have a question?

10                  MR. DE BRANTES:     To expand on it,  
11       because as we have all discussed, it's the stuff  
12       that matters that ends up by popping to the surface,  
13       and the stuff that doesn't matter doesn't pop to the  
14       surface and ends up by being irrelevant to the -- but  
15       as we also discussed, thinning down the code set  
16       creates a potential unintended consequence that  
17       we're going to try to avoid.

18                  DR. RASTOGI:     Just one more point  
19       there. The PAC drill-down reports, you can see the  
20       important stuff floats to the top.

21                  CO-CHAIR KOTTKE:     Then I had one other  
22       question. In your document, you say that anybody

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1 can use this if they can -- but is there some  
2 mechanism to -- is this self-protective, that  
3 trying to use it in small groups or underpowered  
4 situations that you're unlikely to turn up anything  
5 anyway? The question is somebody applies this in  
6 ten doctors, and in one doctor, they sort of say,  
7 this doc's high, kick him out. Kick out the highest  
8 doc.

9 DR. RASTOGI: Our recommendation is to  
10 do the reliability testing first, and if the  
11 reliability is more than 0.7, only then the measure  
12 should be used. If not, we just give volume  
13 information, and the consumer can easily see.

14 MR. DE BRANTES: As we all have  
15 experienced over the past years of, again, endorsed  
16 measures being used for whatever purpose without  
17 any constraints around them, people will do  
18 whatever they want with them, sometimes perfectly  
19 inadequately. Again, we're very clear in our  
20 application that these measures should be used  
21 after having conducted a reliability test in the  
22 measure set that you're using to assess

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1 performance.

2 CO-CHAIR KOTTKE: Right. Yes, people  
3 have used decision rules inappropriately for  
4 centuries. Okay, are we ready to vote on  
5 reliability?

6 MS. IBRAGIMOVA: Scientific  
7 acceptability of measure properties, 2A  
8 reliability, 1 high, 2 moderate, 3 low, 4  
9 insufficient.

10 (Voting.)

11 MS. IBRAGIMOVA: The results are 0  
12 votes for high, 11 votes for moderate, 4 votes for  
13 low, 2 votes for insufficient. This measure does  
14 pass reliability.

15 CO-CHAIR KOTTKE: Validity, Joe.

16 MEMBER CLEVELAND: The measure uses  
17 statistical risk model, again, with 170 risk  
18 factors imputed. Developer conducted a very  
19 thorough systematic assessment of face validity  
20 using multi-specialty working groups, focus  
21 groups, and comparisons to other national  
22 accountability measures.

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1           There were no empiric results provided  
2           for the face validity tests, but I think the only  
3           threats to validity were, again, some of the things  
4           we talked about already, the exclusions with,  
5           again, some of the facilities falling out of the  
6           reliability tests.

7           The performance of the risk model was  
8           determined with a split sample method, however,  
9           too, by estimating model coefficients using a  
10          developmental dataset and apply these  
11          coefficients, so C statistics were good, 0.803 and  
12          0.792. Anyway, I think from the standpoint of  
13          validity, there is validity in these data. I don't  
14          have a problem with it.

15                 CO-CHAIR KOTTKE:     I would agree.  
16           Anybody want to comment otherwise?   SDS?

17                 MEMBER CLEVELAND:   Not done -- so.

18                 CO-CHAIR KOTTKE:   Anybody care to talk  
19           more about SDS?   Apparently not.

20                 MS. WILBON:   It might be useful, too, to  
21           have the developers -- I know you guys mentioned a  
22           little bit about the physician at Montefiore that

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1 did some -- oh, I'm sorry -- did some study with the  
2 measures at Montefiore.

3 So maybe you guys could just talk a  
4 little bit about your thoughts about it and give the  
5 committee an idea about what you may or may not have  
6 considered, in terms of adjusting for SDS factors.

7 DR. RASTOGI: As Spencer mentioned  
8 earlier, we don't have that data right now to link  
9 to administrative claims data. Once it's  
10 available, it would be nice to look at it both ways.

11 CO-CHAIR KOTTKE: So really, it's not  
12 possible.

13 MR. DE BRANTES: You can look at, and we  
14 have looked at, for example, the usefulness of zip  
15 codes as an indicator of sociodemographic status.  
16 As soon as you get into high density areas, even zip  
17 plus four is completely useless as an SDS predictor.  
18 I think there's a fair amount of studies that show  
19 that.

20 If you go back and you look at the work  
21 that folks in Cleveland have done around the SDS  
22 adjustments for diabetes performance measures,

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1        what they've found is that the insurance status ends  
2        up by being the most strongly correlated element or  
3        variable with sociodemographic status. Because  
4        here, we're looking at commercially-insured  
5        populations, that kind of ruled out comparing  
6        Medicaid, say, from commercial.

7                So there isn't, and then there's the, I  
8        think, overriding philosophical issue, which I  
9        think Larry Casalino encapsulated very well years  
10       ago, which is to the extent there is a -- and I think  
11       we know that in certain populations there are  
12       differences in results -- that the goal of SDS  
13       adjustment should not be to adjust away the  
14       differences, but rather to create a baseline  
15       differential and to work hard to squeeze that  
16       differential out.

17               At some level, I think we share that  
18       ambivalence about -- beyond just the fact that it's  
19       not necessarily doable in commercially-insured  
20       populations, we also share the ambivalence that  
21       adjusting for those differences by quote, unquote,  
22       eliminating them, doesn't serve the population that

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1 is on the receiving end of that very well.

2 DR. RASTOGI: Just to add to what  
3 Francois said, as you know, our models are in use  
4 for payment purposes. On the payment side, we do  
5 want to give an additional allowance to doctors who  
6 care for the low SDS patients.

7 CO-CHAIR KOTTKE: Okay, ready to vote  
8 on validity?

9 MS. IBRAGIMOVA: Scientific  
10 acceptability of measure properties, 2B validity,  
11 1 high, 2 moderate, 3 low, 4 insufficient.

12 (Voting.)

13 MS. IBRAGIMOVA: The results are 0  
14 votes for high, 12 votes for moderate, 3 votes for  
15 low, 2 votes for insufficient.

16 CO-CHAIR KOTTKE: Okay, showing that I  
17 can learn, I will not forget empirical analyses to  
18 support the composite. Joe.

19 MEMBER CLEVELAND: I think we've had a  
20 fairly robust discussion about this. I don't know  
21 if I have anything else to add.

22 CO-CHAIR KOTTKE: Are they there? Are

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1 the analyses there?

2 MEMBER CLEVELAND: I think there are  
3 some analyses there to support it. Again, I think  
4 that, again, the equal weighting in the composite  
5 is something that is -- you just have to take on  
6 faith that either you weight or you don't weight.  
7 If we weighted it, I agree that it would be  
8 completely arbitrary.

9 CO-CHAIR KOTTKE: Am I correct that the  
10 only thing -- they have to present the  
11 distributions, and that's it, right?

12 MEMBER CLEVELAND: Right.

13 CO-CHAIR KOTTKE: But that's a minimum  
14 standard, which they've done.

15 MEMBER CLEVELAND: They've done.

16 CO-CHAIR KOTTKE: Okay, we have to vote  
17 on that, and they've satisfied that criteria.

18 MS. IBRAGIMOVA: Scientific  
19 acceptability of measure properties, 2D composite,  
20 1 high, 2 moderate, 3 low, 4 insufficient.

21 (Voting.)

22 MS. IBRAGIMOVA: We had another

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1 technical difficulty, if we could all just recast  
2 our votes.

3 (Voting.)

4 PARTICIPANT: Hand vote.

5 CO-CHAIR KOTTKE: Hand vote time.  
6 Empirical analysis, 1 is high, how many people high?

7 PARTICIPANT: Are we going to hand  
8 vote?

9 CO-CHAIR KOTTKE: We're going to have  
10 to hand vote on this one. We're having technical  
11 problems. Seeing no highs, moderate?

12 MS. MARINELARENA: 11 moderate.

13 CO-CHAIR KOTTKE: Low -- 3 lows.

14 MS. MARINELARENA: 3 lows.

15 CO-CHAIR KOTTKE: Inadequate.

16 MS. MARINELARENA: Insufficient?

17 CO-CHAIR KOTTKE: Insufficient, sorry,  
18 2.

19 MS. MARINELARENA: 2 insufficient.  
20 Does that pass, Laura?

21 MS. IBRAGIMOVA: Yes.

22 CO-CHAIR KOTTKE: Yes.

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1 MS. MARINELARENA: Okay, it passes.

2 CO-CHAIR KOTTKE: Feasibility.

3 MEMBER CLEVELAND: If the data sources  
4 are readily available in electronic sources to  
5 large administrative claims database, there's  
6 access, so I think it's feasible.

7 CO-CHAIR KOTTKE: Agree. Anybody have  
8 any comments? Seeing no comments, let's -- have we  
9 solved our -- okay, feasibility. Let's vote on  
10 feasibility.

11 MS. IBRAGIMOVA: Feasibility, 1 high, 2  
12 moderate, 3 low, 4 insufficient.

13 (Voting.)

14 MS. IBRAGIMOVA: The votes are 8 for  
15 high, 7 for moderate, 1 for low, 1 for insufficient.

16 MR. DE BRANTES: Just a technical  
17 question. If the criteria are data generated  
18 during -- so the data are readily available, and  
19 they're in an electronic source, and it can be  
20 easily implemented, how can it be insufficient?

21 CO-CHAIR KOTTKE: Does anybody care to  
22 fess up? So that will remain a rhetorical,

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1       unanswered question.

2                   MR. DE BRANTES:   Thank you.

3                   CO-CHAIR KOTTKE:   Joe, usability and  
4       use.

5                   MEMBER CLEVELAND:   So this is a claims  
6       measure that's used now in programs for payers  
7       states' external quality reporting, so it's already  
8       in use.   There are no, I'd argue, unidentifiable,  
9       unintended consequences should this -- we've  
10      already had at the measure at clinician/group  
11      level.   I put that as the only questions, but I  
12      think it's usable.

13                  CO-CHAIR KOTTKE:   I would agree.   Time  
14      to vote?   Any other discussion?   Seeing no other  
15      discussion, let's vote on usability and use.

16                  MS. IBRAGIMOVA:   Usability and use, 1  
17      high,   2   moderate,   3   low,   4   insufficient  
18      information.

19                               (Voting.)

20                  MS. IBRAGIMOVA:   The results are 7  
21      votes for high, 7 votes for moderate, 2 votes for  
22      low, 1 vote for insufficient information.

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1 CO-CHAIR KOTTKE: We'll vote on overall  
2 endorsement or recommendation is suitable for  
3 endorsement. This is a PCI. There seems to be a  
4 fairly strong comfort with the measure. Let's go  
5 ahead and vote.

6 MS. IBRAGIMOVA: Overall suitability  
7 for endorsement. Does the measure meet NQF  
8 criteria for endorsement, 1 yes, 2 no.

9 (Voting.)

10 MS. IBRAGIMOVA: The results are 10  
11 votes for yes, 7 votes for no. That's gray zone.

12 CO-CHAIR KOTTKE: Leslie, are we going  
13 to have lunch, or are we going to finish this?

14 MEMBER CHO: We won't torture you any  
15 longer. We will break for lunch now, and we'll come  
16 back at 1:30, and we'll continue on with the rest  
17 of the HCI3 measures.

18 MEMBER SPANGLER: Tom? Sorry, what  
19 happens with the gray zone?

20 MS. WILBON: With the gray zone  
21 measure, all of the measures that you guys vote on  
22 today go out for comments. So this measure will

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1       come back to the committee at the post-comment call,  
2       and you'll have the opportunity at that time to  
3       consider the comments, and you'll be given the  
4       opportunity to re-vote again before it goes to the  
5       CSAC.

6                       (Whereupon, the above-entitled meeting  
7       went off the record at 12:56 p.m. and went back on  
8       the record at 1:31 p.m.)

9                       CO-CHAIR GEORGE:   Okay, we're going to  
10       go ahead and get started with the next measure,  
11       2752, Sana and George.

12                      MEMBER AL-KHATIB:   This measure has to  
13       do with proportion of patients undergoing pacemaker  
14       defibrillator implantation that have a potentially  
15       avoidable complication.   What I would like to do,  
16       since we've had robust discussions about similar  
17       measures, is to ask the developer a couple of  
18       questions.

19                      First, I do want to acknowledge all the  
20       hard work that went into developing this measure.  
21       I'm sure this was not easy, especially having worked  
22       on all these other measures, so I do want to

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1 acknowledge that. But in terms of looking at the  
2 PACs -- by the way, for an electrophysiologist, I  
3 see PACs, I'm thinking premature atrial  
4 contractions, but anyway.

5 The Type I PACs I fully understand, and  
6 I fully accept. Where I think I still struggle is  
7 with the Type II PACs that you submitted. I just  
8 want to make sure that I am reading the Excel  
9 spreadsheet correctly, that you included 868 PACs.  
10 Am I reading that correctly?

11 DR. RASTOGI: Yes. As I mentioned  
12 earlier, these are individual codes. If you look  
13 at that Column E, that gives the PAC name, and then  
14 the codes that relate to that, but yes.

15 MEMBER AL-KHATIB: So I certainly  
16 accept the fact that if there are certain conditions  
17 that I can remotely relate to the procedure that I  
18 think that's certainly justifiable, certainly  
19 makes sense to me. But when we're looking at  
20 complications that have no correlation whatsoever  
21 with the procedure that was done, that's where I  
22 start to struggle with these performance measures.

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1           So in looking at the list here, there are  
2           so many things listed, like poisoning. You listed  
3           close to 217 forms of poisoning that have nothing  
4           to do with the procedure. A lot of these concerns  
5           have been voiced before, so I don't want to belabor  
6           the point, just to say that remains to me the main  
7           concern that had these conditions been more  
8           relevant, more related to the procedure itself, I,  
9           personally, as a physician, would be much more  
10          accepting of these performance measures.

11           Then the other point that I want to  
12          clarify is in just looking at the description, the  
13          30 day versus the 90 day. I know Leslie asked about  
14          that earlier. You mentioned that the clinical  
15          experts in your group favored 30 days for this. As  
16          somebody -- I am an electrophysiologist, and I  
17          actually devote close to 90 percent of my clinical  
18          practice to devices -- pacemakers, ICDs. I love  
19          doing them.

20           I totally agree with you that we need to  
21          have performance measures in place that can help  
22          improve the outcomes of our patients. I'm sure we

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1 all agree that we want better outcomes for our  
2 patients, but I also want to be cognizant that we're  
3 doing it right. So in terms of looking at the 30  
4 day versus 90 day -- in fact, our group has published  
5 on this quite a bit.

6 We found that a 90-day timeline makes  
7 more sense because you're capturing all kinds of  
8 complications, not just those early complications.  
9 A lot of infections don't declare themselves until  
10 you're past that 30 days. So I would worry that not  
11 only are we capturing things that we may not want  
12 to capture, but now we're also missing out on  
13 important outcomes that may not manifest themselves  
14 until 90 days or later.

15 I would remind the group that when,  
16 yesterday, we reviewed the performance measure from  
17 ACC on complications, you may recall that the  
18 complications -- some were within 30 days. Some of  
19 the measures were within 90 days. They had a  
20 technical expert panel that informed them on that  
21 issue. I think there might be some consensus, I  
22 would say, at least in the EP community, that 90 day

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1 might make more sense. So your thoughts on that,  
2 please?

3 DR. RASTOGI: Going back to your first  
4 question about poisoning, if you look at the PAC  
5 drilldown reports, one of the tabs -- it's after the  
6 PAC overview tab -- there are six patients out of  
7 all these who had the pacemaker who had that  
8 poisoning stuff. The fact is that many of these bad  
9 things happen in a facility setting. That's why  
10 they are Type II PACs.

11 Type I is where the provider is directly  
12 responsible, while Type II is the system. The  
13 nurse gave the wrong injection or something like  
14 that. I personally have seen, even at Mayo Clinic,  
15 something like that happen. So I don't want to say  
16 that we want to limit the number, but then  
17 obviously, when you're comparing provider  
18 performance, systematically, if somebody is seeing  
19 many more poisonings than the other, then there's  
20 something to say about it, but otherwise, it'll be  
21 like in that baseline that somebody was saying, that  
22 it won't surface up, it'll just be that little

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1 variability across.

2 I can hear that you may not have anything  
3 to do with if the nurse gave the wrong medicine when  
4 you wrote the right one, but it's a matter -- and  
5 the pacemaker currently is being tested at the  
6 facility level. So we did want to have all the  
7 potentially avoidable complications pulled  
8 together and not limit that. Then your second  
9 question was --

10 MEMBER AL-KHATIB: 30 day versus --

11 DR. RASTOGI: Yes, 30 days, yes.  
12 You're right. We have gone back and forth in that.  
13 When we did, say, total knee replacement episode,  
14 initially it was six months, then we made it three  
15 months, and even, as you know, in the CMS, both  
16 options exist, whether people want to do a 30-day  
17 accountability or longer periods of  
18 accountability.

19 So all that, the debate is still -- the  
20 jury's still out. There's no clear-cut answer.  
21 Yes, some delayed infections would show up much  
22 later. We can certainly broaden it. How much

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1 noise will we be pulling? How much signal will we  
2 be pulling? It's a trade-off. At the time when  
3 the measure was created with the clinical working  
4 groups, the feedback we got is let's limit it to 30  
5 days. If you do 90, then again, the question is why  
6 should we hold it? The discussion goes both ways.

7 MEMBER AL-KHATIB: Thank you for your  
8 clarification. I remain concerned regarding the  
9 comprehensiveness of the lesson that they provide.  
10 Again, a lot of those things, I don't see them at  
11 all relevant to this encounter.

12 A lot of the poisoning things that you  
13 mentioned had nothing even to do with medications  
14 that we would use around the placement of the device  
15 or in any way related to the procedure itself.  
16 That's why when we try to talk about evidence and  
17 try to talk about this association, I just find that  
18 the evidence is lacking.

19 CO-CHAIR GEORGE: George, do you have  
20 any -- is there anything in the way of evidence to  
21 support the 30 day or 90 day?

22 MEMBER AL-KHATIB: Yes, up to 90 days,

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1 definitely. As I said, infections, a lot of the  
2 infections, you're not going to capture them within  
3 the first 30 days. That is a concern of mine. A  
4 lot of these infections are not going to come back  
5 to your attention until past those 30 days, and  
6 you're not going to be able to capture them.

7 MR. DE BRANTES: We also do a fair  
8 amount of empirical testing in our datasets.  
9 Again, I think there are differences between  
10 Medicare patients and commercially-insured  
11 patients. As we looked at what happened to  
12 patients who underwent PCIs 30 days, 60 days, 90  
13 days out, the links between the avoidable  
14 complications in that period of time were pretty  
15 strong; whereas, less strong for patients who had  
16 implantable defibrillators once you got past 30  
17 days.

18 So there are other things that can  
19 create more noise in the data and that, therefore,  
20 dilute the potential impact, at least for that  
21 particular procedure in the datasets that we looked  
22 at. So again, this is dataset by dataset. We're

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1 not talking about Medicare patients. We're  
2 focusing on commercially-insured.

3 MEMBER AL-KHATIB: What I would add to  
4 that is actually, there are certain billing codes  
5 that are specific to device infections. If you're  
6 just using a generic bacteremia or something like  
7 that, I agree that the whole point about introducing  
8 noise makes sense to me, but there are specific  
9 codes, even with the ICD-9 codes -- specific codes  
10 to device-related infections, pacemakers, ICDs,  
11 what have you.

12 CO-CHAIR GEORGE: Any other comments on  
13 the evidence? If not, we'll move to a vote on the  
14 evidence.

15 MS. IBRAGIMOVA: Importance to measure  
16 and report 1A evidence, health outcome or PRO, 1  
17 yes, 2 no.

18 (Voting.)

19 MS. IBRAGIMOVA: Tom, can you please  
20 cast your vote via chat or text? Operator, is Tom  
21 James still on the line?

22 OPERATOR: His line is still connected.

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1 MS. IBRAGIMOVA: Thank you. The  
2 results are 9 votes for yes, 6 votes for no. I  
3 believe that is gray zone.

4 CO-CHAIR GEORGE: We'll continue with  
5 the opportunity for improvement.

6 MEMBER AL-KHATIB: The developer  
7 presented data regarding -- I think they used the  
8 PROMETHEUS administrative claims data between 2012  
9 and 2014 and talked about these episodes and showed  
10 that the unadjusted rates, the median was 46.8  
11 percent. There was a range, as well.

12 When they risk standardized these  
13 rates, the numbers were not -- didn't change much.  
14 Clearly, there is variability. The number is  
15 pretty high. But I worry that even after risk  
16 adjustment, that rate didn't change much, so it  
17 leads me to question -- and maybe this is a point  
18 that we will have to tackle later. It leads me to  
19 question how well the risk adjustment is working.

20 CO-CHAIR GEORGE: Other comments on the  
21 opportunity for improvement?

22 MEMBER AL-KHATIB: They didn't provide

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1 any information on disparities. I forgot to  
2 mention that.

3 CO-CHAIR GEORGE: Thank you. All  
4 right, we'll vote.

5 MS. IBRAGIMOVA: Importance to measure  
6 and report 1B performance gap, 1 high, 2 moderate,  
7 3 low, 4 insufficient.

8 (Voting.)

9 MS. IBRAGIMOVA: The results are 2  
10 votes for high, 11 votes for moderate, 0 votes for  
11 low, and 2 votes for insufficient.

12 CO-CHAIR GEORGE: We'll move on to the  
13 quality construct.

14 MEMBER AL-KHATIB: I think I've already  
15 talked a lot about the construct, so I'll just open  
16 it up to other people to voice their opinion.

17 CO-CHAIR GEORGE: Any comments from the  
18 rest of the committee? If not, we'll vote on the  
19 quality construct.

20 MS. IBRAGIMOVA: Importance to measure  
21 and report 1C composite, 1 high, 2 moderate, 3 low,  
22 4 insufficient.

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1 (Voting.)

2 MS. IBRAGIMOVA: The results are 0  
3 votes for high, 8 votes for moderate, 5 votes for  
4 low, 3 votes for insufficient, and it's gray zone.

5 CO-CHAIR GEORGE: So we'll move on to  
6 specifications, reliability testing.

7 MEMBER AL-KHATIB: So starting with the  
8 specifications, we have talked about the 30-day  
9 window, so I'm not going to belabor that point.

10 I have a couple of questions for you  
11 about who that actually involves. Are these just  
12 new implants of pacemakers and ICDs, or are you also  
13 including replacements of devices, and what about  
14 patients who are getting cardiac resynchronization  
15 therapy devices?

16 DR. RASTOGI: Yes. The trigger list,  
17 the first tab, lists all the ones which are  
18 included, and they include all comers, so  
19 replacement, as well, and then the cardiac  
20 resynchronization devices also. I double-checked  
21 after your comment.

22 MEMBER AL-KHATIB: Thank you very much.

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1 As I said, my concern is the PACs, how they were  
2 defined, the Type II one specifically. The Type I,  
3 I have no issues with at all, and the time frame.

4 But in terms of the testing -- I would  
5 actually remind people that the level for this one  
6 is also the clinician individual, but it can also  
7 be clinician group practice, clinician team  
8 facility integrated delivery system, so certainly  
9 at the level of the clinician there.

10 Reliability. What's mentioned here is  
11 regarding reliability testing, the measure is  
12 specified -- apparently what's required is that the  
13 measure is specified for use with individual  
14 clinician group practice team facility and  
15 integrated delivery system levels of analyses,  
16 though testing is provided just for facilities. It  
17 doesn't look like the developers were able to meet  
18 the expectation, although maybe I'm not reading  
19 that well. They just provided the testing data for  
20 the facility level. How is that viewed by NQF?

21 MS. WILBON: Generally, I think we're  
22 going to have to circle back with the developers.

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1 We noticed a few discrepancies in the form earlier  
2 I think we're trying to still resolve. But  
3 generally, the policy is that the measure's  
4 endorsed at the levels at which it has been tested.  
5 For now, if the testing is only provided at the  
6 facility level, it would be endorsed -- recommended  
7 for endorsement --

8 MEMBER AL-KHATIB: If it gets endorsed.

9 MS. WILBON: -- for -- at the facility  
10 level.

11 MEMBER AL-KHATIB: Thank you. Then  
12 they talk about, in the reliability testing, that  
13 the beta binomial failed to produce statistically  
14 significant parameters, so they were, therefore,  
15 unable to calculate facility reliability scores.  
16 They were unable to report reliability scores,  
17 suggesting that statistically, the measure may not  
18 adequately differentiate between facilities in the  
19 current database tested. That's, I think, what was  
20 alluded to at the beginning, with the introduction.

21 So I think they ended up using a  
22 different database, with much smaller sample sizes,

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1 and finding a reliability of greater than 0.7.  
2 Though the specific results are not provided, I know  
3 that I saw the number of greater than 0.7, but I  
4 don't know that we've seen enough information to  
5 know how that was derived.

6 DR. RASTOGI: That same reliability  
7 tab, if you slide down, you will see the ad hoc  
8 analysis details. If you have that workbook pulled  
9 up, you can slide it down. The first set is the  
10 standard dataset, and then the ad hoc analysis  
11 numbers are below.

12 You're right. The second sample, they  
13 just test -- we have so many datasets on which we  
14 are testing all this stuff. We used one huge sample  
15 for all the other measures, but for this one, it was  
16 a much smaller -- the first one had 3.2 million  
17 covered lives, while this one had maybe less than  
18 2 million. For this, we had only 280 episodes that  
19 met the -- after provider attribution, the count of  
20 ten. Even in those 14 providers, the Alpha and Beta  
21 values were good. The provider variability was  
22 high. It ranged from -- it's 15 percent to 69, or

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1 even 80 percent PAC rate.

2 That means in some people, it was very  
3 low, and in some, it was very, very high. So across  
4 provider variability was so high that the Beta  
5 binomial gave the between variance as 0.02.  
6 Because of that, the reliability for seven  
7 facilities was more than 0.7. For that, the sample  
8 size was at least 22 and above. So that's what we  
9 were saying. It varies from dataset to dataset.

10 In some datasets, you're seeing there's  
11 very little variability across providers, so the  
12 Beta binomial did not meet that criteria. But when  
13 we tested another sample dataset, the variability  
14 across facilities was huge. Now, these are  
15 regional datasets, so in Northeast, in one region,  
16 they may be very good performance. The variability  
17 may not be so good. In another dataset, you can see  
18 there's a lot more variability.

19 MEMBER AL-KHATIB: I don't want to put  
20 anybody on the spot, but I would like to hear your  
21 thoughts, Liz, if that's possible, about how they  
22 used a bigger sample size. I understand the

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1 concept that it is dataset dependent, but could you  
2 actually show reliability with just 22 patients?  
3 Is that even -- I would think that's such a small  
4 sample size.

5 DR. RASTOGI: But the reliability of  
6 minimal sample size of 22, like in CAD, we were  
7 showing even at ten, a sample size of ten, we were  
8 seeing good reliability scores --

9 MEMBER AL-KHATIB: Across sites?  
10 Across facilities?

11 PARTICIPANT: Yes.

12 MEMBER AL-KHATIB: Okay, got it.  
13 Thank you. I don't have any further comments about  
14 the reliability. I still have some hesitation  
15 about the methodology.

16 MEMBER PHILIPPIDES: Sorry to keep  
17 asking this question. I just want to be sure.  
18 When we're voting on this, and this metric, in  
19 general, it's at the facility level, not the  
20 individual clinician level?

21 MS. WILBON: Yes, we'll be working with  
22 them to make sure the forms reflect that, but for

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1 now, as long as -- what you see in front of you, in  
2 terms of testing at the facility level, is all that  
3 we can make recommendations on right now. It would  
4 be the facility level.

5 CO-CHAIR GEORGE: Does that apply just  
6 to the reliability or to everything?

7 MS. WILBON: It applies to the whole  
8 measure.

9 CO-CHAIR GEORGE: Thank you.

10 MEMBER AL-KHATIB: We were told  
11 yesterday, when we talked about a different  
12 measure, you have to do it based on what's in front  
13 of us -- the paperwork that's in front of us. They  
14 clearly say clinician level, individual level,  
15 based on the paperwork.

16 MS. WILBON: If I'm thinking about what  
17 you're talking about, that was a checkbox, but the  
18 testing -- what we try to do ahead of time is make  
19 sure that the boxes that they check, in terms of what  
20 they've tested and what they actually provide, in  
21 terms of testing results, align. In this case, if  
22 I understand correctly, they've actually provided

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1 data and numbers showing they tested at the facility  
2 level, but checked more boxes than just the facility  
3 level. Is that correct?

4 MEMBER AL-KHATIB: Let's ask the  
5 developers. Do you want us to be voting on this at  
6 the individual level or at the facility level?  
7 Because when we asked this earlier, we were told  
8 that no, you want us to review it based on the  
9 individual level, so is that a change?

10 DR. RASTOGI: This particular  
11 measure -- this one and the PCI measure, they were  
12 tested only at the facility level.

13 MEMBER AL-KHATIB: Okay, thank you.

14 CO-CHAIR GEORGE: Any other comments on  
15 the reliability? All right, we'll vote.

16 MS. IBRAGIMOVA: Scientific  
17 acceptability of measure properties, 2A  
18 reliability, 1 high, 2 moderate, 3 low, 4  
19 insufficient.

20 (Voting.)

21 MS. IBRAGIMOVA: The results are 0  
22 votes for high, 9 votes for moderate, 5 votes for

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1 low, 2 votes for insufficient. This is in the gray  
2 zone.

3 CO-CHAIR GEORGE: Validity.

4 MEMBER AL-KHATIB: I do have concerns  
5 about validity, as well, because there were no  
6 empiric results that were provided for the face  
7 validity, based on face validity tests. My  
8 understanding, that's actually required. Then  
9 even the developers --

10 PARTICIPANT: There's no requirement.

11 MEMBER AL-KHATIB: No requirement?  
12 Okay.

13 MS. WILBON: That's the minimum  
14 threshold. It's not required, but it's the minimum  
15 threshold.

16 MEMBER AL-KHATIB: So it's not  
17 provided. Then threats to validity. The  
18 developers actually did a good job providing  
19 information there. They said that -- they  
20 described patient demographic enrollment  
21 information and claims-based exclusions for the  
22 measure, and they said that nearly half of the

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1 original population of patients was removed from  
2 the denominator because of exclusions that they  
3 applied. Then a significant number of episodes  
4 were eliminated from the measure due to  
5 exclusionary criteria, and then they provide the  
6 numbers for that. In terms of risk adjustment,  
7 they certainly did that, and that's certainly  
8 required, in my mind, at least, as a scientist.  
9 They needed to risk adjust for it. As I mentioned  
10 earlier, I am concerned about the practicality of  
11 adjusting any risk model for 170 risk factors. I'd  
12 like to know how those risk factors were actually  
13 chosen, and how do you see this playing out in  
14 practice? Is it practical to expect people to be  
15 adjusting for 170 risk factors?

16 DR. RASTOGI: Thanks for those  
17 comments. The first thing about exclusions, we did  
18 not have any exclusions. The piece that we have  
19 mentioned, and maybe it's a terminology issue that  
20 may have caused some confusion, those were  
21 selection criteria.

22 If a patient did not have claims for the

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1 entire episode time window, so for, say, 30 days'  
2 worth of claims they had enrollment gaps, because  
3 it's a commercial dataset, in Medicare, you don't  
4 really see those gaps, but if the patient drops out  
5 of enrollment, then that gets kicked out. So we had  
6 selection criteria that were defined. Age has to  
7 be 18 plus. They have to match the enrollment, etc.  
8 The sample size that's selected -- the episodes that  
9 are selected met all those selection criteria.  
10 It's not really exclusion, but the other patients  
11 do not qualify because we don't have -- incomplete  
12 data, so to say. Then coming back to your risk  
13 adjustment question, the risk variables are  
14 collected in an historical fashion.

15 So again, through claims data, these  
16 risk factors are available or could be available,  
17 depending on how much dataset is available. So we  
18 have at least six months' worth of data that we  
19 require before the episode trigger to collect these  
20 risk factors. Yes, there are many, many risk  
21 variables, but as you can see in the risk model, not  
22 all of them have enough volume, and to the extent

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1       they do, then they generate coefficients.

2               Now, there are many methods of doing  
3       risk adjustment. The approach that we applied was  
4       each risk factor, if it contributes towards the risk  
5       model, then it is kept in. But otherwise, it's a  
6       standard logistical regression model, so I'm not  
7       sure whether anybody has to collect those risk  
8       factors. It is just through the claim submission  
9       form these risk factors just get automatically  
10      generated through that.

11             MR. DE BRANTES: And another important  
12      point is that these risk factors are calculated  
13      dataset by dataset, for the same reason that you  
14      have differences in results on reliability testing  
15      dataset by dataset.

16             The epidemiology of patients changes  
17      and, therefore, the relative strength of any one of  
18      these risk factor variables is going to be very  
19      different from one dataset to dataset. So again,  
20      you want to be comprehensive in the number of risk  
21      factors that you look at, knowing full well that  
22      many of them will not have any impact on the severity

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1 model, but some will. Those that do change dataset  
2 by dataset, so you can't -- you don't want to  
3 pre-judge which ones will have significance.

4 The other reason why that's important is  
5 because we don't think that imputing a single value  
6 on a regression model variable from, say, a  
7 normative dataset, however which way you describe  
8 it, does a good job at explaining differences in  
9 patient severity for a specific population studied.  
10 So all of these models are calculated dataset by  
11 dataset.

12 MEMBER AL-KHATIB: Thanks for the  
13 clarification. You know, I still see that this is  
14 such an extensive list.

15 Clinically I can make an argument for  
16 many of these variables that I don't know that, you  
17 know, you would want to adjust for.

18 And then as I was talking about, the  
19 performance gap data that you presented when you  
20 risk adjusted, those numbers didn't change much,  
21 which leads me to question the effectiveness of this  
22 risk adjustment.

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1           And, you know, again we really need to  
2           try to get it right, because there may be some  
3           unintended consequences, because physicians when  
4           they see these kind of, you know, data, they may  
5           start, you know, cherry-picking the healthiest  
6           patients. And then patients who are sick may end  
7           up, you know, paying the price because they're not  
8           undergoing procedures that they need.

9           DR. RASTOGI: Yeah, and for the very  
10          reason we didn't want to restrict it to just a  
11          handful of risk factors, because then the  
12          cherry-picking becomes very important.

13          When there are so many risk factors that  
14          could be there, then every patient would have  
15          something or the other.

16          And the fact that the outputs did not  
17          change much, then you're right that maybe these risk  
18          factors did not have anything to do with the  
19          performance of the physician. The pacemaker is  
20          pacemaker and the outcomes may have been just not  
21          related to these risk factors.

22          So, the fact that the model didn't

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1 change doesn't have anything to do with the presence  
2 of risk factors, but we did do the sample, the test  
3 and the validation data sets and we showed the  
4 statistics numbers and the predictive capability of  
5 these models. And the predictive power was very  
6 good.

7 CO-CHAIR GEORGE: Liz?

8 MEMBER DELONG: I wonder if you've done  
9 any validation of any of these models. When you run  
10 a model with 174 covariates, you do run the risk of  
11 a lot of overfitting.

12 And then you're going to apply that  
13 model to risk adjust and make assessments on  
14 hospital -- facility or physician performance.

15 DR. RASTOGI: So, those results have  
16 been provided in the section for validity testing.

17 And we have also shown the decile -- you  
18 know, breaking the data set -- the outputs into  
19 deciles and looked --- compared the observed from  
20 the expected. So, all those numbers are provided  
21 and, actually, we were surprised it performed so  
22 well.

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1 I think it was the first decile that it  
2 did not, right? And then, balanced it. So, the c  
3 statistics for the test and the validation was 68.7  
4 for the chi square.

5 CO-CHAIR GEORGE: Any other comments on  
6 validity?

7 MS. MARINELARENA: Before we move on,  
8 Amita, can you talk about did you look at SDS factors  
9 for this measure as well?

10 DR. RASTOGI: Yes. So, the same thing  
11 applies for the others that we didn't have  
12 availability of the SDS factors.

13 CO-CHAIR GEORGE: Let's go ahead and  
14 vote on validity.

15 MS. IBRAGIMOVA: Scientific  
16 acceptability of measure properties; 2b, validity.  
17 One, high. Two, moderate. Three, low. Four,  
18 insufficient.

19 (Voting.)

20 MS. IBRAGIMOVA: So the results are  
21 zero votes for high. Five votes for moderate.  
22 Five votes for low. Four votes for insufficient.

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1 It does not pass validity.

2 This measure would technically fail.  
3 Do we want to continue?

4 MS. WILBON: I'd say at this point,  
5 let's go ahead and just continue on to the next  
6 measure.

7 The measure will go out for comment,  
8 like you said, and we'll bring back comments and  
9 continue the discussion if needed. Thanks.

10 DR. RASTOGI: Okay. One question.  
11 It's the same measure like the previous. I don't  
12 know why the validity counts as a different --- it's  
13 exactly the same.

14 MS. WILBON: So, it might be helpful to  
15 have some of the committee members maybe talk about  
16 what was different for this measure considering the  
17 other one passed, the PCI measure that was just  
18 before this.

19 MEMBER AL-KHATIB: I actually was  
20 consistent, because I voted exactly the same for  
21 both.

22 (Discussion off the record.)

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1 MS. WILBON: Anyone care to share?  
2 Okay.

3 CO-CHAIR GEORGE: It might have to do  
4 with a different mix of people here in the room.  
5 We've lost some members, so.

6 MS. WILBON: Okay. Thank you.

7 MS. SPEAKER: It doesn't seem like that  
8 would be enough. I mean, it's dramatically  
9 different. Doesn't seem like a few would have made  
10 it ---

11 DR. RASTOGI: Yeah, like the  
12 insufficient and the low went up, right?

13 MS. SPEAKER: Yes, significantly.  
14 Right.

15 DR. RASTOGI: And it's exactly the  
16 same, so --

17 DR. BURSTIN: Right. And that would be  
18 fine if fewer people were supporting it moderate or  
19 high. What we're seeing is a shift to low and  
20 insufficient when, in fact, it's identical to the  
21 prior measure which you passed.

22 So, just, again, we get lots of concerns

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1 for folks about inconsistency and it doesn't appear  
2 consistent.

3 MEMBER AL-KHATIB: From my  
4 perspective, actually, what I would say, probably,  
5 is that not enough information was included. And  
6 I'm not being critical at all. I'm just stating a  
7 fact. You know, with the initial measure on PCI,  
8 I felt like some of this information was not  
9 presented. I don't know how many factors. I  
10 wasn't the primary presenter for that.

11 So, I don't know how many factors that  
12 you guys looked at in the risk adjustment model, if  
13 they felt that those factors were clinically  
14 relevant or not.

15 So, and I don't know that they pointed  
16 out that even after risk adjustment the number  
17 didn't --- numbers didn't change. So it made me  
18 question the effectiveness of the risk adjustment.

19 I think it's really key clinically that  
20 we need to be able to risk adjust and show that it's  
21 working.

22 I'm just proposing those as potential

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1 explanations. I obviously cannot speak for the  
2 people who changed, but that's just some potential  
3 explanations.

4 DR. RASTOGI: And just to feed back,  
5 exactly the same risk factors are used in all our  
6 models.

7 It's a software thing, you know. So,  
8 those things exist.

9 CO-CHAIR KOTTKE: So, whether or not  
10 the level changes much with the risk adjustment has  
11 nothing to do with the effectiveness of the risk  
12 adjustment.

13 I mean, there's no impact of the risk  
14 factors on risk even though it accounts for all of  
15 the risk. It's --- it doesn't --- it's not a  
16 criterion.

17 CO-CHAIR KOTTKE: Okay. So, should we  
18 move on? Thank you very much for your time this  
19 morning and this afternoon.

20 0067 ACC, chronic stable coronary  
21 artery disease, antiplatelet therapy.

22 MEMBER BRIGGS: So, this is a process

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1       measure.   And it's also a measure that's being  
2       brought to us --- is brought to us for maintenance.

3               It was initially endorsed in 2009.  
4       Re-endorsed in ---

5               CO-CHAIR KOTTKE:   Excuse me just a  
6       second.

7               MEMBER BRIGGS:   Oh, I'm sorry.

8               CO-CHAIR KOTTKE:       We need the  
9       developers to be able to weigh in for a moment here.  
10      Welcome.

11              DR. HEIDENREICH:   Sorry.   Again, I'm  
12      Paul Heidenreich.   I'm Chair of the Task Force for  
13      Performance Measures for the American College of  
14      Cardiology and the American Heart Association.

15              And for this measure, it was developed  
16      in 2003 along with the Physician Consortium for  
17      Performance Improvement of the American Medical  
18      Association.   It's been in use since.

19              And the task force that uses this relies  
20      on Class 1 ACC/AHA recommendations and has a strong  
21      conflict of interest policy.

22              The data we show shows there still is a

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1 gap in this measure. And given the strong  
2 relationship with mortality and hospitalization  
3 and morbidity, we feel antiplatelets are still a  
4 strong --- should still be a strong focus for  
5 improving care.

6 The testing shows very high  
7 reliability. It's currently in use by our  
8 Pinnacle, the ACC's Pinnacle Registry, as well as  
9 CMS' Physician Quality Reporting System, or PQRS.

10 Now, we know there are other measures.  
11 I know we're not doing a best in class at this time,  
12 but we feel this provides --- is still important  
13 given its --- that it's based at the individual  
14 clinician level.

15 It's registry-based, as well as being  
16 evidence-based, and reliable and valid. Thank  
17 you.

18 MEMBER BRIGGS: So, as I mentioned  
19 before, this is a measure that's being brought to  
20 us for maintenance endorsement.

21 And we looked at the evidence. And the  
22 evidence for this particular indicator is high.

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1       There are multiple guidelines.

2               There's like four guidelines and like  
3       ten different statements on those guidelines that  
4       support this.   So we felt like the evidence is high.

5               MEMBER VIDOVICH:   Yes, no question.  
6       This is very high level of evidence.   Hundreds of  
7       thousands of patients in multiple studies.

8               CO-CHAIR KOTTKE:   Okay.   So, anybody  
9       have any comments that they wish to make before we  
10      vote on the evidence?

11              (No comments.)

12              CO-CHAIR KOTTKE:   Seeing no movement,  
13      let's vote on the evidence for antiplatelet  
14      therapy, 0067.

15              MS. IBRAGIMOVA:   Importance to measure  
16      and report; 1a, evidence, structure, process,  
17      intermediate outcome.   One, high, only eligible  
18      QQC submitted.   Two, moderate.   Three, low.  
19      Four, insufficient.

20              (Voting.)

21              MS. IBRAGIMOVA:   Okay.   The results  
22      are 12 votes for high.   Zero votes for moderate.

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1 Zero votes for low. Zero votes for insufficient.

2 CO-CHAIR KOTTKE: Opportunity for  
3 improvement.

4 MEMBER BRIGGS: So, we would agree that  
5 there is a performance gap in that the numbers are  
6 --- and the mean numbers are in the 80s, about 86  
7 percent, but they've been pretty static. If you  
8 looked at 2009, it was 84.9 percent. In 2013, 86.2.  
9 And 2014, 86.3.

10 And while we feel it's an important  
11 measure, there is a question of whether we're topped  
12 out and what's the reason for no continued  
13 improvement in this particular indicator.

14 MEMBER VIDOVICH: In our preliminary  
15 discussions, one thing that I would like to point  
16 out is that patients --- it's the definition ----  
17 what's the meaning of as-is chronic stable disease.

18 Are they by accident capturing some  
19 patients who underwent PCI and now are on aspirin  
20 and a bit of a -- antiplatelet therapy and might be  
21 counted as CAD, you know, and -- to help inflate the  
22 numbers. Like, you know so it looks better than

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1       what it really is.

2                   And on the other hand, could they be  
3       capturing some of the patients who are getting  
4       aspirin for another reason, let's say, a TIA or,  
5       let's say, 325 of aspirin for a different reason  
6       just maybe inaccurately given as the absolute  
7       number.

8                   It probably is not a lot of patients, but  
9       I think there's probably some overflow here. Let's  
10      say somebody has a CAD, and then they forget to give  
11      them aspirin, and then they re-infarcted, and then  
12      they'll end up on aspirin and Plavix because now  
13      have a stent. And then they get counted as  
14      receiving aspirin.

15                  So, just a minor issue. It's probably  
16      not a large proportion of patients.

17                  CO-CHAIR KOTTKE: Gerry.

18                  MEMBER MARTIN: First, I was going to  
19      say maybe we should have the developers answer the  
20      question, but then I was thinking that one of the  
21      things that does change over time particularly with  
22      some registries, is that you continue to enter in

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1 new practices, new providers.

2 And so, what you don't have in this mean  
3 data is what's happening to individual, even,  
4 groups or practices.

5 So, it may be true that the countrywide  
6 is 86, but people that have been in it longer maybe  
7 they have improved and that data isn't shown.

8 CO-CHAIR KOTTKE: Yes. Mary?

9 CO-CHAIR GEORGE: I'd just like to add  
10 that 86 percent in this Pinnacle Registry seems  
11 really good. But when we look at what's happening  
12 across the country in our other major data sets at  
13 the population level, it's about 50 percent.

14 DR. HEIDENREICH: I'll also say  
15 regarding the PCI or even acute MI, those all, by  
16 definition, put you in the category of chronic  
17 coronary disease. You can never get out of that  
18 condition once you get into it.

19 And so, we'd say regardless of the  
20 reason you ended up on the right therapy, we would  
21 still give credit for being on the right therapy.

22 MEMBER BRIGGS: One of the issues I

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1 think that we see is that, with aspirin, because  
2 it's a not prescription drug, that many times people  
3 don't consider that when someone asks them what  
4 their medications are in a medication list. So, it  
5 may not be documented by the staff in the office or  
6 the provider may overlook that as a possibility.

7 Obviously if you know that you're being  
8 monitored for that, you're more sensitive to that  
9 indicator, as in if you're dealing with a clinical  
10 registry, that kind of thing, but one possible  
11 answer for why we're seeing less than perfect scores  
12 in something that we think is so important is that  
13 aspirin is not considered on the same plane by some  
14 of the population, actually, in terms of when they  
15 think about drugs that they're on.

16 When somebody asks them about their  
17 medications many times, because it's not a  
18 prescription, they don't think about it that way.

19 CO-CHAIR GEORGE: We actually see a  
20 little bit higher rates in the patient report  
21 compared to the physician office reporting, but it  
22 is still sub-optimal.

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1                   MEMBER VIDOVICH: Just to bring --  
2                   Sometimes what happens is that the VAs, you know,  
3                   the co-pay is the same whether somebody is on a brand  
4                   or an aspirin. It's fixed rate.

5                   And so, a lot of veterans just choose to  
6                   buy their own aspirin and to take it with a co-pay  
7                   from the VA pharmacy.

8                   And then you can just slip through the  
9                   cracks and it may not end up being recorded and state  
10                  tracking is inaccurate and then maybe not be  
11                  captured, but, again, minor issues.

12                  I'm sure it's there in the finding.

13                  CO-CHAIR KOTTKE: So, opportunity for  
14                  improvement. Can we vote? Let's vote.

15                  MS. IBRAGIMOVA: Importance to measure  
16                  on report; 1b, performance gap. One, high. Two,  
17                  moderate. Three, low. Four, insufficient.

18                  (Voting.)

19                  MS. IBRAGIMOVA: And the results are  
20                  five votes for high. Seven votes for moderate.  
21                  Zero votes for low. Zero votes for insufficient.

22                  CO-CHAIR KOTTKE: Specifications and

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1 reliability testing.

2 MEMBER BRIGGS: In terms of  
3 specifications, we have a question about the ICD-9  
4 codes that include acute MI, because this is  
5 supposed to be an indicator for chronic stable  
6 angina.

7 So, again, if we're measuring --- if the  
8 standard is for angina patients and it's supposed  
9 to be stable angina, why are we coding in the  
10 specifications for acute MI?

11 DR. HEIDENREICH: Yes, the standard is  
12 actually not --- it's not angina. It would be  
13 chronic coronary disease.

14 And once you've had an acute MI, you then  
15 are, by definition, have coronary disease the rest  
16 of your life.

17 So, having acute --- looking for past  
18 MIs or even current MIs would be one way of  
19 identifying those with coronary disease.

20 CO-CHAIR KOTTKE: So, in fact, if you  
21 want to use the expression, it's overkill rather  
22 than missing. So, there's no crime. Any further

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1        comments on reliability?

2                    MEMBER BRIGGS:    So for reliability they  
3        did signal to noise, and there was a very good result  
4        there at 0.994.

5                    CO-CHAIR KOTTKE:    Okay.    Let's vote on  
6        reliability, please.

7                    MS.        IBRAGIMOVA:                Scientific  
8        acceptability    of    measure    properties;    2a,  
9        reliability.    One, high.    Two, moderate.    Three,  
10      low.    Four, insufficient.

11                    (Voting.)

12                    MS. IBRAGIMOVA:    And the results are  
13      eight votes for high.    Four votes for moderate.  
14      Zero votes for low.    Zero votes for insufficient.

15                    CO-CHAIR KOTTKE:    Validity.

16                    MEMBER BRIGGS:        There was content  
17      validity done by expert work group, public comment,  
18      formal peer review process with the ACC Board of  
19      Trustees and Advisory Committees.

20                    There's also construct validity done  
21      and face validity.    Two different committees, one  
22      from ACC, and one from AHA, with 83 percent of them

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1 agreeing that the measure is an accurate reflection  
2 of quality and being able to distinguish between  
3 poor and good quality.

4 Importance of the measure was rated 4.26  
5 out of five.

6 CO-CHAIR KOTTKE: Anybody have any  
7 other comments?

8 (No comments.)

9 CO-CHAIR KOTTKE: Okay. Let's vote on  
10 validity.

11 MS. IBRAGIMOVA: Scientific  
12 acceptability of measure properties; 2b, validity.  
13 One, high. Two, moderate. Three, low. Four,  
14 insufficient.

15 (Voting.)

16 MS. IBRAGIMOVA: And the results are  
17 eight votes for high. Four votes for moderate.  
18 Zero votes for low. Zero votes for insufficient.

19 CO-CHAIR KOTTKE: Feasibility.

20 MEMBER BRIGGS: This measure is in use  
21 currently. So, I would say that it's feasible.  
22 It's a pinnacle data set, it's the one that's being

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1 used --- registry.

2 CO-CHAIR KOTTKE: Any other comments?

3 (No comments.)

4 CO-CHAIR KOTTKE: Seeing no reaction,  
5 let's vote on feasibility.

6 MS. IBRAGIMOVA: Feasibility. One,  
7 high. Two, moderate. Three, low. Four,  
8 insufficient.

9 (Voting.)

10 MS. IBRAGIMOVA: And the results are  
11 ten votes for high. Two votes for moderate. Zero  
12 votes for low. Zero votes for insufficient.

13 CO-CHAIR KOTTKE: Usability and use.

14 MEMBER BRIGGS: Basically the same  
15 rationale. It's the pinnacle registry, is the  
16 current measure use. It's also being used and  
17 reported in the Physician Quality Reporting System.

18 CO-CHAIR KOTTKE: Other comments.

19 (No comments.)

20 CO-CHAIR KOTTKE: Seeing no reaction,  
21 let's vote on usability and use.

22 MS. IBRAGIMOVA: Usability and use.

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1 One high. Two, moderate. Three, low. Four,  
2 insufficient information.

3 (Voting.)

4 MS. IBRAGIMOVA: And the results are 12  
5 votes for high. Zero votes for moderate. Zero  
6 votes for low. Zero votes for insufficient  
7 information.

8 CO-CHAIR KOTTKE: Okay, so it's time to  
9 vote on whether to recommend the measure as suitable  
10 for endorsement.

11 This is 0067, chronic stable coronary  
12 artery disease, antiplatelet therapy. It seems to  
13 have cruised through. Linda got off easy.

14 Time to vote.

15 MS. IBRAGIMOVA: Overall suitability  
16 for endorsement. Does the measure meet NQF  
17 criteria for endorsement? One, yes. Two, no.

18 (Voting.)

19 MS. IBRAGIMOVA: We're just waiting for  
20 one more vote.

21 (Voting.)

22 MS. IBRAGIMOVA: And the results are 12

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1 votes for yes. Zero votes for no.

2 (Pause.)

3 (Comments off the record.)

4 CO-CHAIR GEORGE: So, we have two  
5 measures left and we have just a quorum with what  
6 we have. So, we'll go ahead with 0079.

7 Developers?

8 DR. HEIDENREICH: Yes, so this measure  
9 on left ventricular ejection fraction assessment  
10 was developed also in 2003 on the ACC/AHA and the  
11 PCPI of the American Medical Association. And has  
12 also been used in the Pinnacle registry.

13 The importance comes from the fact that  
14 it is a requirement, in order to see if someone is  
15 a candidate for other performance measures already  
16 improved by NQF such as ACE inhibitors, beta  
17 blockers for heart failure that you have to have the  
18 ejection fraction to know if the patient can receive  
19 the --- will benefit from those.

20 There also is a gap currently in  
21 outpatient care. And you may be aware that  
22 Medicare dropped their --- I'll say their CMS core

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1       measure because it was topped out in hospital, but  
2       that we are --- we believe our evidence shows for  
3       outpatient that is not the case, and the measure  
4       still has the utility in the outpatient setting.

5               In fact, you'll see only about 70 ---  
6       potentially only 70 percent is currently in use.  
7       We feel that testing shows high reliability and  
8       validity. And, again, it is currently in use in the  
9       ACC Pinnacle Registry.

10              CO-CHAIR GEORGE: Linda and Tom James.

11              MEMBER BRIGGS: Tom, are you there? Do  
12       you want to take this, or do you want me to take it?

13              MS. VICALÉ: Tom had to step out for a  
14       meeting between 2:00 and 3:00 p.m. Yes, so he said  
15       to refer to his comments that he provided in the  
16       worksheet.

17              (Pause.)

18              MEMBER BRIGGS: So, again, it's a  
19       process measure. It's looking at people 18 years  
20       of age or older with heart failure who have a  
21       quantitative or qualitative result of a recent  
22       prior LVEF documented within 12 months. However,

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1 recent is not really defined within the measure.

2 We all know that it's really important  
3 to have that to base therapies from. There's no  
4 argument there.

5 But as I said, the numerator is within  
6 --- documented within the last 12 months, but it  
7 doesn't necessarily mean that it was done within  
8 that 12-month time period.

9 And the documentation that --- it uses  
10 a registry, and the registry is the Pinnacle  
11 Registry again. And you can either have a number,  
12 or it can be in a range. So, on the Pinnacle  
13 Registry form you can either --- there's a blank and  
14 you can fill in the number for the ejection  
15 fraction, or you can pick something that's  
16 hyperdynamic, greater than 70, normal being 50 to  
17 70, mild dysfunction, 40 to 49. And so, there are  
18 some instructions to how to put it in that frame.

19 And then I guess you could also ---  
20 because it refers to documentation. It could be in  
21 the note that way, potentially.

22 So, in terms of the evidence for this,

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1 the evidence is only by expert opinion from the  
2 heart failure guidelines.

3 CO-CHAIR GEORGE: Any comments on the  
4 evidence?

5 (No comments.)

6 CO-CHAIR GEORGE: So, how would you  
7 rate that if it's expert opinion only?

8 MEMBER BRIGGS: I would have to say that  
9 it's with exception. So, it's insufficient with  
10 exception.

11 DR. HEIDENREICH: I'll say while you're  
12 thinking, that while it is a Class C, I don't think  
13 there has been or ever was even considered the  
14 possibility of a randomized trial given that all  
15 patients with heart failure -- if you're going to  
16 provide life-prolonging therapy, you have to get  
17 the ejection fraction.

18 So, there never was the thought that you  
19 would not get an ejection fraction in patients with  
20 heart ---

21 MEMBER BRIGGS: I would agree with  
22 that, but I just have to go by what the --- what our

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1 rating system is.

2 MEMBER AL-KHATIB: What I would add to  
3 that is that there is a very clear association  
4 between measuring the ejection fraction and the  
5 outcomes. And then, as was stated by the  
6 developer, in forming the treatment plan that you  
7 come up for the patient. So, I think the evidence  
8 is pretty strong.

9 CO-CHAIR KOTTKE: But inadequate with  
10 the exception, I mean, it's not a chronic.

11 MEMBER BRIGGS: No.

12 CO-CHAIR KOTTKE: It's just a statement  
13 of fact that this is a different type of issue that,  
14 I mean, I agree with you that --- and I think that  
15 it's unconscionable that EMRs can't come up with  
16 ejection fractions, but I think it goes ahead if we  
17 say it's -- you know, there's an exception.

18 CO-CHAIR GEORGE: I think that's the  
19 way the algorithm works. And we just need to have  
20 that option for voting, which we don't have on the  
21 screen.

22 MR. CHIU: The only thing -- if I can

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1 add, Dr. Kottke, really quickly, is I think there  
2 is a comment about most recent, you know. I think  
3 we try to get it from the past year or two, but it  
4 really is --- I think somebody asked in the comments  
5 to any time in the past.

6 And the point is if you're really low  
7 AEF, 20 percent, 30 percent, other measures we have  
8 in our other partnerships of antiplatelet and other  
9 measures, ACE and beta blocker, they all relate to  
10 those kind of measures.

11 Hence, we thought that if it's a low rate  
12 at AEF, you don't need to continually check it.

13 MEMBER BRIGGS: I totally agree with  
14 the fact that this is important, but I just have to  
15 go by what the algorithm is.

16 (Pause.)

17 MS. WILBON: Sorry. We're just  
18 conversing on the use of the evidence exception.  
19 We just want to make sure we're using it  
20 appropriately.

21 So, with the algorithm, if you look at  
22 the orange boxes where it says, are there or could

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1       there be performance measures of related health  
2       outcome or evidence-based intermediate clinical  
3       outcomes of process.

4               So, if the committee agrees that there  
5       could be another measure that would be closer to the  
6       outcome, then you would not apply the exception.

7               But if you believe that there would not  
8       be and there was expert opinion, then you could go  
9       on to ---

10              MEMBER BRIGGS: That's basically where  
11       we're at, yes.

12              MS. WILBON: Yes, I just wanted to make  
13       sure that we're accepting expert opinion because we  
14       don't think there will ever be a study to look at  
15       the utility of ejection fraction in these patients.

16              It's kind of -- everybody needs that  
17       information, uses that information in all the  
18       studies, base treatment on those things. So, it's  
19       kind of the bedrock --- kind of a bedrock kind of  
20       thing.

21              (Comments off the record.)

22              MS. WILBON: Yes, let's go ahead and

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1 vote on this. And then we'll discuss the next steps  
2 once everyone has submitted their vote, because you  
3 can't --- you can't automatically apply the  
4 exception until we get through this vote.

5 DR. JOHNSON: And let me be clear, what  
6 you would do here is if you feel like you're going  
7 to land on asking for the exception, vote here for  
8 insufficient. We'll have another vote exception  
9 yes or no. Okay. So, we're splitting it into two  
10 votes.

11 MS. WILBON: Yes.

12 DR. JOHNSON: Thank you.

13 CO-CHAIR GEORGE: So, I'll just  
14 summarize. We are going to vote on the evidence.  
15 It's expert opinion.

16 Because of the way the slide is, we can't  
17 add the insufficient with exception option on this  
18 slide.

19 If that is where we're headed, we would  
20 vote insufficient on this slide. And then we will  
21 vote yes or no to add with exception on a second  
22 vote.

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1 (Comments off the record.)

2 CO-CHAIR GEORGE: Any questions on ---  
3 okay. So, we'll go ahead and vote on the evidence.

4 MS. IBRAGIMOVA: Importance to measure  
5 and report; 1a, evidence, structure, process,  
6 intermediate outcome. One, high, only eligible  
7 QQC submitted. Two, moderate. Three, low.  
8 Four, insufficient.

9 (Voting.)

10 MS. IBRAGIMOVA: And the results are  
11 one vote for high. Zero votes for moderate. Zero  
12 votes for low. Eleven votes for insufficient.

13 CO-CHAIR GEORGE: So we'll now vote on  
14 whether insufficient alone or insufficient with  
15 exception, yes or no --- or, it's insufficient with  
16 exception, yes or no. What is it?

17 MS. WILBON: So, we just want to just  
18 make a clarification. So, on Box 10 --- and if I  
19 missed this discussion, forgive me, but I just want  
20 to make sure that we're clear on the use of the  
21 exception that the committee has considered. What  
22 we kind of ask you guys to consider in the evidence

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1 criterion.

2 So, are there --- or there could be  
3 performance measures of a related health outcome  
4 or evidence-based intermediate clinical outcome or  
5 process.

6 So, this is a process measure looking at  
7 the assessment of the ejection fraction for  
8 patients with heart failure.

9 So, the question would be, is there a  
10 different --- could there be a different measure  
11 that is closer to what you would see would be the  
12 outcome that is an intermediate outcome or outcome  
13 that would better --- a measure that would get us  
14 closer to the outcome. Could there be something  
15 there?

16 And if not, then, you know, we can move  
17 on. But I just want to make sure that we have that  
18 conversation, because I feel like we kind of jumped  
19 to the evidence exception.

20 The other thing about the evidence is it  
21 doesn't have to be the RCTs. There's other types  
22 of studies and other types of evidence that could

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1 also be considered. There's a gap between expert  
2 opinion and RCTs. So I just wanted to make sure  
3 that we're considering that body as well.

4 MEMBER BRIGGS: So I would say that  
5 this, again, is a very key measure. It's something  
6 that we use to base other therapies on.

7 So, I don't see that there's anything  
8 that's going to replace it. And I don't see that  
9 an outcome necessarily is going to be better than  
10 this particular indicator that we do need the  
11 ejection fraction to make clinical decisions on our  
12 heart failure patients.

13 So, I think that it's important from  
14 that regard. I don't think that there's anything  
15 else that you're going to find that can replace  
16 that, because basically in all the tests that we do,  
17 we're doing a cath, we do a ventricular-gram to get  
18 the EF. We do an MR, we're trying to get the EF.  
19 We do an echo, we're trying to get the ejection  
20 fraction. We're looking for that data.

21 Okay? So, and then this is all from --  
22 the expert opinion is from clinical guidelines and

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1 it's been echoed over and over again. So, I think  
2 that that's a good basis to work from.

3 CO-CHAIR KOTTKE: Right. And so, in  
4 Box 12 if we feel that there is --- benefit outweighs  
5 harm, we vote for exception.

6 MEMBER AL-KHATIB: So, just a quick  
7 comment. I appreciate you are reminding us that we  
8 don't need randomized clinical trial data, but  
9 there are a lot of epidemiologic data that correlate  
10 the EF with outcomes.

11 Does that not qualify? I'm confused  
12 now, actually.

13 MS. WILBON: It does. I know she made  
14 a statement earlier about there's never going to be  
15 ---

16 MEMBER AL-KHATIB: A randomized  
17 clinical trial.

18 MS. WILBON: Right, so I was just  
19 responding to that.

20 MEMBER AL-KHATIB: But we have a lot of  
21 observational data that have proven the usefulness  
22 and the importance of this.

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1           So, does this elevate it to the  
2           important -- like that there's evidence, the high  
3           evidence, or are we still talking about the  
4           exception, I guess is my question.

5           CO-CHAIR KOTTKE: But there is no --- is  
6           there evidence that just measuring improves  
7           outcomes? I mean, it changes behavior ---

8           MEMBER AL-KHATIB: Indirectly, yes.

9           CO-CHAIR KOTTKE: -- but measurement  
10          alone doesn't change outcomes.

11          MEMBER AL-KHATIB: Of course it does.  
12          Because if you don't get an EF, you won't be able  
13          to know that the patient needs an NICD, for example.  
14          And that ---

15          CO-CHAIR KOTTKE: No, just measuring and  
16          ---

17          MEMBER AL-KHATIB: -- saves lives.

18          CO-CHAIR KOTTKE: -- doing nothing else  
19          does not improve outcomes.

20          MEMBER AL-KHATIB: But I don't know  
21          that you can separate the two. I'm not sure that  
22          I follow.

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1 CO-CHAIR KOTTKE: I'm sure you can.

2 MEMBER AL-KHATIB: No, I don't --- I  
3 don't see that. As clinicians, we don't just get  
4 a test and not act on, you know, upon the result of  
5 the test.

6 That's how we function as clinicians.  
7 We get a test and we do something with it.

8 CO-CHAIR KOTTKE: No, you need the test  
9 to make the decision, but getting the test alone  
10 doesn't help the patient if you don't do anything  
11 with it.

12 MEMBER AL-KHATIB: I don't know. I'm  
13 confused.

14 CO-CHAIR KOTTKE: I'm not saying it's  
15 appropriate. I'm just saying the test alone  
16 doesn't help.

17 CO-CHAIR GEORGE: Ashlie, I have a  
18 question.

19 MS. WILBON: Yes. Sure.

20 CO-CHAIR GEORGE: Are you asking us to  
21 vote on the question in Box 10, or the question in  
22 Box 12?

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1 MS. WILBON: So, they go hand in hand.

2 CO-CHAIR GEORGE: But it makes a  
3 difference whether you answer yes -- whether you  
4 answer no to 10, or yes to 12.

5 MS. WILBON: Right. So you don't  
6 actually get --- you don't actually get to vote on  
7 the exception unless you voted that the evidence  
8 that they submitted was insufficient, which it  
9 sounded like based on the committee's discussion  
10 that they felt that the evidence that was submitted  
11 in the form from the developer was insufficient.  
12 So, that's ---

13 CO-CHAIR GEORGE: What I'm trying to  
14 clarify is what is a yes vote and what is a no vote.

15 MS. WILBON: On the exception?

16 CO-CHAIR GEORGE: On what we're going  
17 to vote on now, yes.

18 MS. WILBON: Oh, okay. So you believe  
19 that although the evidence was insufficient, that  
20 there should be an exception applied that would  
21 allow the measure to go forward.

22 CO-CHAIR GEORGE: That would be a yes

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1 vote if that's what we believe.

2 MS. WILBON: Yes.

3 CO-CHAIR GEORGE: Okay. I just want to  
4 clarify that.

5 MS. WILBON: Yes.

6 MEMBER AL-KHATIB: Can we re-vote on  
7 the evidence? Based on this discussion, I'd like  
8 to change my vote. Is that possible?

9 MS. WILBON: Yes.

10 MEMBER AL-KHATIB: Because, I mean,  
11 again clinically there is not a single test that we  
12 do that changes outcomes. It's whatever we do with  
13 the result of the test that changes outcomes.

14 I get a patient with syncope. I put  
15 them on a monitor. They have a nine-second pause.  
16 I put a pacemaker in them. That's what's going to  
17 make them live longer. It's what I do with the  
18 data.

19 You can't separate the two clinically.  
20 It's impossible to separate. Then not a single  
21 test performance measure that's based on a test will  
22 pass the evidence criterion. Not a single one.

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1       Because just doing the test per se is not going to  
2       do anything. It's not going to change anything.  
3       It's how you use the data to manage the patient.

4               DR. JOHNSON: So, let me try to clarify  
5       a little bit. That's exactly why we have that  
6       question in the evidence exception, the Box 10,  
7       because the idea is that there can be lots of things  
8       that are important to do in practice, right? And  
9       testing and assessing and those kind of things are  
10      important. They're the first step to getting  
11      somewhere, but then you have to act on it and do  
12      something about that.

13              So, there is lots of different kinds of  
14      measures that you could build. So, you could build  
15      measures just about the assessment, because that's  
16      important, or you could build measures further down  
17      the line and talk about a treatment or something  
18      like that or the actual outcome.

19              So, NQF actually has a hierarchy of  
20      preference that we prefer to endorse the measures  
21      that are closer to the outcome.

22              So, that's why we have this question

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1 here. So it's not saying that it's not important  
2 to do those things. The question is, is it  
3 important to have a national consistent standard  
4 that basically that's just out in the world as an  
5 NQF-endorsed measure. So, that's the question.

6 MEMBER SPANGLER: Can I add something  
7 real quick? Sana, I'm not disagreeing with you  
8 about the epidemiological evidence, but I don't  
9 think that was submitted with this.

10 And according to the algorithm it says  
11 there's empirical evidence submitted. So, it  
12 might be there, but it wasn't in the application.  
13 So, I think that seems like why we need to go down  
14 to that orange path.

15 MEMBER BRIGGS: There were two studies  
16 submitted with the evidence, but one study was  
17 actually on an entirely different topic related to  
18 CMR.

19 Obviously you can get an ejection  
20 fraction that way, but it was more about the CMR than  
21 it was about the ejection fraction itself.

22 And I'm not finding the other one, but

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1       neither one of them were directly related to the  
2       ejection fraction and the use of it on patients.

3               MEMBER DELONG:   Well, I think we're  
4       splitting hairs here.   And if we only have a half  
5       hour to cover the next one, it's obvious how the vote  
6       is going to turn out.

7               CO-CHAIR GEORGE:   All right.   Any last  
8       questions before we vote?

9               (No comments.)

10              CO-CHAIR GEORGE:   All right.

11              MS. IBRAGIMOVA:   So, can we first agree  
12       that the question on the screen is the voting  
13       question?

14              Should there be an exception applied  
15       that would allow the measure to move forward?   One  
16       yes.   Two, no.

17              (Voting.)

18              MS. IBRAGIMOVA:   So, the results are 12  
19       votes for yes.   Zero votes for no.

20              CO-CHAIR GEORGE:   Let's quickly move on  
21       to opportunities for improvement.

22              MEMBER BRIGGS:     So, there was a

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1 significant performance gap for this measure.

2 In 2013, the mean compliance with this  
3 was 67 percent. In 2014, 72.5. So, there's  
4 obviously room for improvement in terms of  
5 documentation of this in the outpatient  
6 environment, which is what this particular one is  
7 about.

8 And obviously if we're using this for a  
9 critical basis for our treatment, it's important.

10 CO-CHAIR GEORGE: Any comments on the  
11 opportunity? If not, we'll vote.

12 MS. IBRAGIMOVA: Importance to measure  
13 on report; 1b, performance gap. One, high. Two,  
14 moderate. Three, low. Four, insufficient.

15 (Voting.)

16 MEMBER CHO: Can I just say how I think  
17 that number is so low in the ear of overtesting in  
18 America, how is it possible?

19 Because I have patients who are referred  
20 -- I work at the Cleveland Clinic -- who are referred  
21 to me and they get an echo or a stress test every  
22 six months.

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1                   That number of 67 percent I find almost  
2                   improbable.

3                   CO-CHAIR KOTTKE: (Speaking off mic.)

4                   MEMBER CHO:     No, I actually think  
5                   you're wrong, because we're not the ones  
6                   overtesting. These are people being referred to us  
7                   from whatever many states or places around the  
8                   country.

9                   And there are plenty of people getting  
10                  -- you -- I don't need to tell you, are getting  
11                  overtesting.

12                  CO-CHAIR KOTTKE: (Speaking off mic.)

13                  MEMBER BRIGGS: I didn't mention that  
14                  there are disparities, but it's by actually  
15                  insurance that we have information.

16                  And actually, believe it or not, the  
17                  Medicare population did the worse in terms of having  
18                  this reported.

19                  If they had no insurance at all, it was  
20                  reported 69 percent of the time. Private  
21                  insurance, 64.4. Medicaid, 60 percent. And  
22                  Medicare, 47.6 percent.

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1 DR. HEIDENREICH: One error in that is  
2 that the Medicare and Medicaid lines were switched.

3 MEMBER BRIGGS: Oh, really? Okay.  
4 Well, that makes sense.

5 DR. HEIDENREICH: But there clearly are  
6 differences by insurance. That doesn't take away  
7 that there are differences in insurance.

8 MEMBER BRIGGS: Yeah. No, there are  
9 disparities for sure.

10 MS. IBRAGIMOVA: So, the results are 11  
11 votes for high. One vote for moderate. Zero votes  
12 for low. Zero votes for insufficient.

13 CO-CHAIR GEORGE: Move on to  
14 reliability and specifications.

15 MEMBER BRIGGS: So, this was a  
16 reliability test in using the Pinnacle data. They  
17 used 2,254 providers and 409,000 plus patients.  
18 And it was a signal to noise and very good numbers.

19 If they -- if providers had more than ten  
20 patients, the average reliability was .988 in 2013.  
21 And .989 in 2014.

22 CO-CHAIR GEORGE: Any comments on the

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1 reliability or specifications?

2 (No comments.)

3 CO-CHAIR GEORGE: If no, we'll vote.

4 MS. IBRAGIMOVA: Scientific  
5 acceptability of measure properties; 2b,  
6 reliability. One, high. Two, moderate. Three,  
7 low. Four, insufficient.

8 (Voting.)

9 MS. IBRAGIMOVA: The results are 12  
10 votes for high.

11 CO-CHAIR GEORGE: Validity.

12 MEMBER BRIGGS: They did content  
13 validity and face validity. The content validity  
14 was assessed with the expert work group. It was not  
15 for public comment.

16 Also in formal peer review processes and  
17 the ACC Board of Trustees also assessed this. And  
18 the PCPI membership as well.

19 So, there was construct validity also  
20 and face validity was looked at by two committees.  
21 One by -- from the ACC, and one from AHA with 87  
22 percent of -- 85 percent of the members agreeing

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1       that the measure was an adequate reflection of  
2       quality and was able to distinguish between poor and  
3       good.

4               And in terms of importance it was rated  
5       4.24 out of five.

6               CO-CHAIR GEORGE: Any comments on the  
7       validity?

8               (No comments.)

9               CO-CHAIR GEORGE: We'll vote.

10              MS.       IBRAGIMOVA:               Scientific  
11       acceptability on measure properties; 2b, validity.  
12       One, high. Two, moderate. Three, low. Four,  
13       insufficient.

14              (Voting.)

15              MS. IBRAGIMOVA: And the results are 10  
16       votes for high. Two votes for moderate.

17              CO-CHAIR GEORGE: Feasibility.

18              MEMBER BRIGGS: This is a current  
19       measure. It's being used in the Pinnacle Registry.  
20       Also, there's abstraction through MDS and OASIS for  
21       that. So, I would say it's feasible.

22              CO-CHAIR GEORGE: Any comments on

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1 feasibility?

2 (No comments.)

3 CO-CHAIR GEORGE: We'll vote.

4 MS. IBRAGIMOVA: Feasibility. One,  
5 high. Two, moderate. Three, low. Four,  
6 insufficient.

7 (Voting.)

8 MS. IBRAGIMOVA: The results are ten  
9 votes for high. Two votes for moderate.

10 CO-CHAIR GEORGE: Usability.

11 MEMBER BRIGGS: Again, the developers  
12 site the Pinnacle Registry and they continue to seek  
13 opportunities for public reporting. However,  
14 currently it's not publicly reported.

15 CO-CHAIR GEORGE: Any comments on  
16 usability?

17 (No comments.)

18 CO-CHAIR GEORGE: We'll vote.

19 MS. MARINELARENA: Before we vote, I  
20 just want to note that the NQF policy states that  
21 measures -- this has been endorsed since 2009. And  
22 after six years, they should be publicly reported.

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1 And this right now is not publicly reported.

2 DR. HEIDENREICH: I'll say it was  
3 publicly reported, I think, through PQRS -- or I  
4 don't know if PQRS is considered public reporting.

5 It was publicly collected, but they have  
6 -- in terms of outpatient, they have not publicly  
7 reported outpatient ones.

8 MS. SPEAKER: It got removed from PQRS  
9 before they started doing the public reporting for  
10 the ACL Limited Measure stat. But, you know, we  
11 have found that this is a very important measure  
12 from a quality improvement perspective for the  
13 reasons that have been mentioned before, which is  
14 if you don't do it, you can't figure out what type  
15 of therapy they need whether it's medication,  
16 device or whatever.

17 CO-CHAIR KOTTKE: And is that a  
18 recommendation or a strict measure of the NQF?

19 MS. SLATTERY: You know, as we have  
20 stated, I think, in previous phases for the project,  
21 the ACC has not started publicly reporting either  
22 at the practice or physician level, in part, because

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1 we do use these measures for submission to PQRS.

2 We do see shifts that will tap in with  
3 this measure, and then vis-a-vis Pinnacle's ability  
4 to qualify as what's called a qualified clinical  
5 data registry for PQRS submission requirements.

6 We have been waiting to see what is going  
7 to happen in the regulations so that we are not  
8 duplicating our resource investments to publicly  
9 report at either the practice or physician level if  
10 it's going to have to be publicly reported on  
11 Physician Compare.

12 Some recent changes to PQRS and giving  
13 QCDRs the option to either let the physicians use  
14 Physician Compare as a publicly reporting  
15 mechanism, or for a specialties society to create  
16 a public reporting mechanism are now being  
17 considered by ACC, but it is a very expensive  
18 enterprise for us to be able to engage in public  
19 reporting.

20 And I think that there are regulatory  
21 changes that have been evolving that have -- that  
22 the college has had to consider in weighing out

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1       whether to invest in developing a public reporting  
2       program.

3               CO-CHAIR KOTTKE:   So, the answer from  
4       NQF is what?

5               MS. WILBON:    So, I'll give a short  
6       statement, which is that the purpose of NQF  
7       endorsement is to endorse measures for quality  
8       improvement and accountability applications.

9               CO-CHAIR KOTTKE:   Right.

10              MS. WILBON:    So, the whole point of us  
11       giving developers six years to have their measures  
12       publicly reported is so that they could meet that  
13       accountability -- I won't say criterion, but that  
14       level of which endorsement is really -- the level  
15       of endorsement is really intended to be measures not  
16       just that are being used for QI, but that are being  
17       used in accountability applications.   One of which  
18       is publicly reporting.

19              So, I would just say that, you know, the  
20       intent of an NQF endorsement is for measures that  
21       are being used for those purposes.

22              CO-CHAIR KOTTKE:   Well, let me ask you

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1 a different question.

2 MS. WILBON: And if not's being used for  
3 that, then --

4 CO-CHAIR KOTTKE: Can we endorse it if  
5 it is not publicly reported after six years?

6 MS. WILBON: I believe the committee  
7 can certainly recommend endorsement.

8 CO-CHAIR KOTTKE: Okay. Good.

9 MS. WILBON: There's a lot of process  
10 left, but --

11 CO-CHAIR KOTTKE: Let's move along.

12 MS. SPEAKER: So, it wasn't publicly  
13 reported because when it was in PQRS, it was before  
14 they started doing that one. We're figuring out  
15 did they want it physician level, or physician group  
16 practice level.

17 So, they barely started public  
18 reporting about a year and change ago. And I think  
19 that, you know, as Laura mentioned, we're going to  
20 figure out their website, our website --

21 CO-CHAIR KOTTKE: So, my read is that we  
22 can endorse it without even though they haven't

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1 publicly reported it. And so, I think we ought to  
2 move along.

3 MEMBER DELONG: Kristi had some -- I was  
4 actually interested in hearing what you had to say.

5 MEMBER MITCHELL: I was going to  
6 actually respond to what Laura was talking about  
7 regarding QCDR. So, I'm good, but I am -- this  
8 whole thing does bring up a bigger point regarding  
9 the ultimate intent of these measures to be used for  
10 accountability rather than quality improvement.

11 And I guess, you know, I must have missed  
12 this piece in the memo about six years -- having six  
13 years to move a measure from QI to accountability.

14 Not all measures should be intended for  
15 accountability.

16 MR. WILBON: No, I'm sorry. That was  
17 misinterpreted. For QI and accountability  
18 purposes, but measures -- we generally don't  
19 endorse measures that are just for QI.

20 So, just to -- it could be used for QI.  
21 Not to say that it couldn't. Once it's an  
22 accountability application that it can't be used

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1 for QI, but Karen might be able to clarify things.

2 DR. JOHNSON: Right. So, we do right  
3 now endorse measures for both purposes. So, the  
4 idea is the measures should be suitable for both  
5 even if you're not in both.

6 I will point out that our guidance for  
7 the usability criterion actually asks for use and  
8 accountability program within three years. And if  
9 it's in like PQRS or something like that, then it  
10 hits that mark.

11 The six years is public reporting.  
12 That's another kind of accountability program.  
13 And it's really getting to the desire to let  
14 consumers and purchasers and the public understand  
15 measure results. So, it's kind of going one step  
16 further.

17 Usability and use, number one, we don't  
18 have absolute thresholds on anything. You  
19 probably have noticed that with all of our  
20 discussions about reliability and validity and that  
21 sort of thing, but we do have the guidance.

22 That said, usability and use is also not

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1 unless past criteria.

2 CO-CHAIR KOTTKE: So, can we -- I am  
3 leaving in 17 minutes. The lights go out in 17  
4 minutes. We have one more --

5 MS. VICALÉ: Can I just add that Tom  
6 James is set to come back at 3:00 p.m.?

7 CO-CHAIR KOTTKE: Okay.

8 MS. VICALÉ: So, that would keep us at  
9 quorum.

10 CO-CHAIR KOTTKE: Good. Good. I'm  
11 still leaving in 17 minutes.

12 (Laughter.)

13 CO-CHAIR KOTTKE: Okay. Can we vote on  
14 this?

15 MS. IBRAGIMOVA: Usability and use.  
16 One, high. Two, moderate. Three, low. Four,  
17 insufficient information.

18 (Voting.)

19 MS. IBRAGIMOVA: So, the results are  
20 six votes for high. Four votes for moderate. One  
21 vote for low. One vote for insufficient  
22 information.

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1 CO-CHAIR GEORGE: All right. Any  
2 last-minute comments before we vote on the overall  
3 measure?

4 (No comments.)

5 CO-CHAIR GEORGE: Seeing none, we'll  
6 vote on the measure.

7 MS. IBRAGIMOVA: Overall suitability  
8 for endorsement. Does the measure meet NQF  
9 criteria for endorsement? One, yes. Two, no.

10 (Voting.)

11 MS. IBRAGIMOVA: The results are 12  
12 votes for yes. Zero vote for no.

13 CO-CHAIR GEORGE: Thank you,  
14 developers.

15 MEMBER DELONG: While we're  
16 transitioning to the next measure, I think what we  
17 just discussed and the implication which confuses  
18 me as to what our endorsement means is not totally  
19 clear.

20 If our endorsement means this will be  
21 used for accountability later, I think we need to  
22 take that seriously and only endorse measures that

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1 we feel will validly hold providers to an  
2 accountable level.

3 CO-CHAIR GEORGE: Do you think that  
4 should be a voting consideration criteria?

5 MEMBER DELONG: I don't know. I just  
6 see us endorsing measure after measure that -- for  
7 which the data aren't necessarily there, but we're  
8 saying it's the best we can do.

9 I would not want to be held accountable  
10 for a measure that didn't have the appropriate level  
11 of data quality and completeness.

12 CO-CHAIR GEORGE: Just a few brief  
13 comments, very brief, from the developers.

14 DR. KAUFMAN: Good afternoon. We  
15 thank the NQF for this opportunity to appear today  
16 as WCHQ seeks NQF endorsement for our all-or-none  
17 IVD, ischemic vascular disease measure.

18 I am here with Mary Gordon who is  
19 clinical information manager at WCHQ. I'm a  
20 general internist, former chief medical officer at  
21 Dean Clinic in Madison, Wisconsin and serve as  
22 WCHQ's clinical advisor.

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1           WCHQ was founded in 2003. It's a  
2 voluntary membership-driven organization  
3 dedicated to public performance reporting, shared  
4 learning in order to improve the quality of care and  
5 affordability of healthcare in Wisconsin.

6           The membership includes 38 healthcare  
7 organizations and those organizations care for more  
8 than 65 percent of Wisconsin citizens.

9           Members actively use our 44 publicly  
10 reported measures to drive internal improvement  
11 efforts.

12           Our all-or-none IVD outcome measure  
13 has four individual components; blood pressure  
14 control, aspirin or other antiplatelet medication  
15 use, tobacco-free status and use of a statin  
16 medication.

17           The measure is consistent with the 2011  
18 AHA/ACC foundation guideline for secondary  
19 prevention of atherosclerotic heart disease --  
20 vascular disease and the 2013 ACC/AHA task force  
21 guideline on treatment of blood cholesterol.

22           WCHQ began reporting some of the

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1 individual IVD component metrics in 2012 and first  
2 reported the all-or-none IVD measure in the spring  
3 of 2015 for over 50,000 patients.

4 Current performance in the all-or-none  
5 measure ranges from 45 percent to 70 percent. We  
6 believe that the all-or-none measure methodology  
7 compared to only reporting on the four component  
8 metrics individually provides a more comprehensive  
9 view of the care provided, is a more sensitive  
10 indicator of care quality, will be a greater spur  
11 to organizational improvement and will make it  
12 easier for the public to understand differential  
13 performance among our membership.

14 We appreciate the opportunity to appear  
15 today and look forward to answering questions.  
16 Thank you.

17 CO-CHAIR GEORGE: Sana or Leslie.

18 MEMBER AL-KHATIB: Yes, of course.  
19 Thank you very much for that overview. We're going  
20 to do our best to finish this in ten minutes, or  
21 close to that anyway.

22 So, I think this measure is very clearly

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1 described. I just have a couple of questions for  
2 you and then we can delve into the voting unless  
3 other people have questions.

4 So, in terms of the documentation in the  
5 medical record of statin use, do you allow for  
6 contraindications and is that captured?

7 MS. GORDON: Currently we do not do  
8 that, but we have discussed that. We have a -- what  
9 we call our Ambulatory Care Specifications  
10 Committee. And we also have a Measurement Advisory  
11 Committee.

12 We did talk about allowing  
13 contraindications. And at this point in time with  
14 -- we did not opt to do that because there wasn't,  
15 you know, like a clear ICD-9 or even ICD-10 code.  
16 And we just weren't sure how we were going to capture  
17 that adequately electronically.

18 I guess that's the other piece of it is  
19 that at least as far as the WCHQ membership goes,  
20 we kind of strive to have our measures be  
21 electronically, you know, the data to the industry  
22 feels that we can capture electronically.

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1 DR. KAUFMAN: It's a really challenging  
2 issue because there aren't specific ICD-9 codes,  
3 myalgias or whatever --

4 MS. GORDON: Right.

5 DR. KAUFMAN: -- that you can directly  
6 correlate that it's a statin medication use. We  
7 would love to get there, but it's hard. ICD-9  
8 really isn't specific enough right now.

9 MEMBER AL-KHATIB: I hear that. Thank  
10 you. And then one other question from me and we'll  
11 see if you guys have any questions.

12 When you talk about CAD risk equivalent  
13 condition, I mean, are you referring to PAD and can  
14 you elaborate a bit more on that?

15 DR. KAUFMAN: I think it's consistent  
16 with the 2011 guideline. Coronary artery disease,  
17 atherosclerotic vascular disease, including  
18 peripheral artery disease --

19 MEMBER AL-KHATIB: Okay.

20 DR. KAUFMAN: -- aortic disease and  
21 carotid artery disease. So, I think we have  
22 structured it so it's exactly the same.

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1 MEMBER AL-KHATIB: Okay.

2 MEMBER CHO: Diabetes.

3 DR. KAUFMAN: Diabetes, per se, without  
4 vascular disease?

5 MEMBER CHO: Diabetes as considered a  
6 coronary artery disease equivalent.

7 DR. KAUFMAN: Diabetes alone is not  
8 included right now.

9 MS. GORDON: Not diabetes alone  
10 currently.

11 MEMBER CHO: Okay.

12 MEMBER AL-KHATIB: Any other questions  
13 before I start? I can start in -- so, talking about  
14 the evidence, I mean, clearly this measure  
15 addresses significant health problems.

16 The evidence is very clear regarding the  
17 association or really the causality between all of  
18 these component factors of this measure and  
19 outcomes. So, I have no concerns about the  
20 evidence.

21 CO-CHAIR GEORGE: Was there a QQC or --

22 MS. SPEAKER: This is a composite

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1 measure.

2 CO-CHAIR GEORGE: Any comments on the  
3 evidence?

4 (No comments.)

5 CO-CHAIR GEORGE: If not, we'll go  
6 ahead and vote.

7 MS. IBRAGIMOVA: Importance to measure  
8 on report; 1a, evidence, structure, process,  
9 intermediate outcome. One, high. Two, moderate.  
10 Three, low. Four, insufficient.

11 (Voting.)

12 MS. IBRAGIMOVA: And the results are 12  
13 votes for high.

14 CO-CHAIR GEORGE: Thank you.

15 MEMBER AL-KHATIB: In terms of  
16 opportunity for improvement, the developers  
17 provided some compelling data showing that they  
18 actually tested 121 clinics covering a total of  
19 42,290 patients. And they showed that the average  
20 clinic performance on the measure was .5862. And  
21 the range was .379 to .75.

22 So, with this variability and this gap,

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1 I think it's a no-brainer.

2 CO-CHAIR GEORGE: Any comments on the  
3 performance gap?

4 (No comments.)

5 CO-CHAIR GEORGE: All right. We'll  
6 vote.

7 MS. IBRAGIMOVA: Importance to measure  
8 and report; 1b, performance gap. One, high. Two,  
9 moderate. Three, low. Four, insufficient.

10 (Voting.)

11 MS. IBRAGIMOVA: And the results are 12  
12 votes for high.

13 MEMBER AL-KHATIB: So, for reliability  
14 I think we're talking, or is this the composite?  
15 The composite makes perfect sense to me. I have no  
16 concerns there.

17 CO-CHAIR GEORGE: Any comments?

18 MEMBER MITCHELL: I have a comment  
19 about the tobacco-free element of the composite.  
20 It's sort of you're reflecting on your experience  
21 with the D5 and the challenge relative to that  
22 single component getting it to a point that's

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1 reliably collected, and validly assessed.

2 MS. GORDON: What we have been -- we  
3 have been -- WCHQ has been reporting tobacco status  
4 and tobacco association just on measure of sort of  
5 the global populations of our membership, I don't  
6 know, for quite a few years.

7 And I know one thing that we've seen in  
8 reporting that as far as the data being reliable is  
9 that what we had noticed when we first started  
10 reporting that measure was that we had some  
11 organizations that had very low results and, you  
12 know, it tended to be that they didn't have a process  
13 either in place that it wasn't happening, or it just  
14 wasn't being adequately documented.

15 And so, we saw great improvements just  
16 from publicly reporting this measure in our  
17 membership's results in that area. And we a couple  
18 of years ago moved on to a tobacco-free measure of  
19 diabetes, which would be the same measure that's  
20 incorporated here.

21 And we feel just from our experience  
22 with how it's progressed with our tobacco

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1 association measure that I think we feel good about  
2 the data, you know, and the data collection methods  
3 that are being used.

4 MEMBER CHO: So, does the patient have  
5 to quit in order for it to -- you have to -- so, if  
6 you counsel a patient, you documented that you  
7 counseled a patient, but there is no quit date. And  
8 that would be a --

9 MS. GORDON: A fail for this particular  
10 measure, right. For the tobacco cessation  
11 measure, which is not part of this composite, there  
12 if they're just counseled, it counts as a numerator  
13 compliance, but for this one we're actually looking  
14 to see if the patient, you know, does not smoke.

15 DR. KAUFMAN: Right. They are  
16 tobacco-free if they are compliant in this measure.  
17 It's just not counseled. It's just not asked.

18 MEMBER AL-KHATIB: We realize we don't  
19 have full control over that, but, I mean, I  
20 certainly am not opposed to having it in the  
21 measure. We certainly don't have full control over  
22 that.

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1 DR. KAUFMAN: I don't think we have  
2 total control over a lot of things as physicians.

3 CO-CHAIR GEORGE: Any other comments?

4 MS. WILBON: So, I -- of course me  
5 again. So, I realize that we're short on time.  
6 We're going to lose Tom shortly and we're not sure  
7 if the other Tom is going to be on the phone.

8 We just want to make sure --

9 MEMBER JAMES: I'm back.

10 MS. WILBON: Oh.

11 MEMBER JAMES: I just sent a note.

12 MS. WILBON: Okay. Yeah, so we just  
13 want to make sure that everyone is comfortable.  
14 There are some components -- I know the staff did  
15 a review of this and there are some components of  
16 the measure.

17 We just want to make sure that the  
18 committee does do, you know, due diligence  
19 discussing terms of the blood pressure parameters.  
20 I know we had some hypertension measures before  
21 where the parameters were discussed. In terms of  
22 dosages of medication, like, we just want to make

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1       sure that there's adequate discussion in terms of  
2       consistency, because we find these things sometimes  
3       come back.

4               So, while we're all here gathered and  
5       we're discussing the measure, I just want to make  
6       sure that everyone, you know, that we do our due  
7       diligence and make sure that we're, you know,  
8       addressing all the different components of the  
9       measure. So, just --

10              MEMBER AL-KHATIB:    Okay.    From the  
11       blood pressure standpoint this is definitely in  
12       line with the guideline document that uses this  
13       cutoff.   Certainly stopping smoking, I don't think  
14       anybody has to, you know, say much in relation to  
15       that.

16              Aspirin antiplatelet therapy, that's  
17       absolutely, you know, in there.   Use of statin, I  
18       mean, I think all of these are very well supported  
19       by data as well as guideline recommendations.

20              CO-CHAIR GEORGE:   Any other comments on  
21       the construct validity?

22              (No comments.)

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1 CO-CHAIR GEORGE: If not, we'll vote.

2 MS. IBRAGIMOVA: Importance to measure  
3 and report; 1c, composite. One, high. Two,  
4 moderate. Three, low. Four, insufficient.

5 (Voting.)

6 MS. IBRAGIMOVA: So, the results are  
7 nine votes for high. Three votes for moderate.  
8 Zero votes for low. Zero votes for insufficient.

9 CO-CHAIR GEORGE: Specifications and  
10 reliability testing.

11 MEMBER AL-KHATIB: So, we covered a lot  
12 of the specifications because the numerator has to  
13 do with and meeting these, you know, goals, if you  
14 will, for blood pressure, tobacco use, antiplatelet  
15 use, statin use. So, no issues there.  
16 Denominator makes perfect sense to me. They had no  
17 exclusions.

18 In terms of testing, I think based on the  
19 data that they provided that the reliability is as  
20 good. They derived data from 17 group practice  
21 members of the Wisconsin Collaborative for  
22 Healthcare Quality.

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1           15 groups reported all electronically.  
2       Two groups reported using random sample  
3       methodology. And they really got data from 121  
4       sites covering more than 50,00 patients and  
5       provided reasonable data. Average reliability was  
6       found to be .7817.

7           And from my perspective, I find this  
8       acceptable.

9           CO-CHAIR GEORGE: Any comments on  
10      reliability?

11           (No comments.)

12           CO-CHAIR GEORGE: If not, we'll vote.

13           MEMBER JAMES: This is -- just one  
14      question. This is listed on the worksheet as not  
15      an e-Measure, but the data is really obtained  
16      primarily through electronic methods.

17           I'm presuming that we're starting this  
18      thing off not as an e-Measure, but it could be  
19      developed into one; could it not?

20           MS. GORDON: That's correct.

21           MEMBER JAMES: It would enhance  
22      reliability, I think.

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1 MS. GORDON: Yes, that is correct.  
2 It's not currently developed as one, but it  
3 certainly could be.

4 MEMBER JAMES: Okay. Thank you.

5 CO-CHAIR GEORGE: All right. We'll  
6 vote on reliability.

7 MS. IBRAGIMOVA: Scientific  
8 acceptability of measure properties; 2a,  
9 reliability. One, high. Two, moderate. Three,  
10 low. Four, insufficient.

11 (Voting.)

12 MS. IBRAGIMOVA: The results are six  
13 votes for high. Six votes for moderate. Zero for  
14 low. Zero for insufficient.

15 CO-CHAIR GEORGE: Validity.

16 MEMBER AL-KHATIB: So, with regard to  
17 validity, what they did is they have assessed this  
18 measure for data validity. And they talk about,  
19 you know, how the measured numerator for each  
20 reporting entity is subject to validation once  
21 every three years on a schedule based on random  
22 selection.

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1                   And they talk about how the results that  
2                   vary greatly between reporting periods or that  
3                   appear significantly or higher or lower than the  
4                   mean are subject to validation and I feel like the  
5                   whole plan that was outlined for validity testing  
6                   was pretty good.

7                   I'm not sure that I was able to find  
8                   where the numbers are, where the results of the  
9                   testing were. I think that was a question I had.

10                  CO-CHAIR GEORGE: Leslie.

11                  MEMBER CHO: My other question is, is  
12                  that in one part of the measure it talks about statin  
13                  therapy. In another part of the measure it talks  
14                  about high-intensity statin therapy unless it's  
15                  contraindicated. I don't know which one we're  
16                  testing the population in. That's my first  
17                  question.

18                  My second question is, is I still remain  
19                  concerned about how you would exclude patients who  
20                  are statin-intolerant, because it affects, you  
21                  know, five to ten percent of the population, as we  
22                  know.

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1 DR. KAUFMAN: To your first question,  
2 it's simply are you on statin therapy or not?

3 (Comments off the record.)

4 DR. KAUFMAN: Okay. On Page 7.

5 MEMBER CHO: Okay.

6 DR. KAUFMAN: Okay. And then in terms  
7 of the intolerance, really, because so much is  
8 collected electronically and it's through ICD-9 or  
9 even 10 codes. You can't connect side effect ICD  
10 categories to the actual medication.

11 It's challenging at this point without  
12 doing record review on all the patients. And it's  
13 -- although it's a level playing field, obviously,  
14 for the collaborative and for improvement efforts,  
15 everybody's reported measures have the same issue.  
16 So, again, it's relative performance.

17 MEMBER CHO: But if you have a measure  
18 that we're not measuring correctly, we'll never be  
19 able to get the right -- like let's say you go from  
20 70 to 80 and --

21 DR. KAUFMAN: Right.

22 MEMBER CHO: -- we never go above 80.

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1 Well, maybe we never go above 80 because we're not  
2 capturing the statin-intolerant population.

3 DR. KAUFMAN: Right. And I think  
4 that's really a valid comment, but it's analogous  
5 to when the physicians at Dean used to come to me  
6 and talk about their diabetes measures, you know,  
7 and maybe a 95-year-old patient who is a diabetic  
8 who has terminal cancer doesn't need a hemoglobin  
9 A1c.

10 So, you know, it's not perfect. For  
11 sure it's not perfect. It would be great if we  
12 could correlate and capture that easily in a large  
13 database and that would be our goal down the road  
14 for sure, but it's challenging sometimes.

15 MEMBER AL-KHATIB: Go back to the  
16 question that I raised. Because as I said, you  
17 know, what I see in front of me is the outline of  
18 what you've done to validate, which I think makes  
19 perfect sense, but I don't see the data. I don't  
20 see the results.

21 Can you direct me to where those are?

22 MS. GORDON: I don't know that we

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1 actually included any kind of numerical results  
2 only that we indicated that through the validation  
3 of this composite measure.

4 And it was partially also because we  
5 composed the statin use measure that we had two  
6 entities that we identified that did not publicly  
7 report the measure this first time around because  
8 of some issues that we found with their -- it was  
9 really related to the statins.

10 So, I -- other than that I don't really  
11 have -- there really wasn't numerical information  
12 --

13 MEMBER AL-KHATIB: Right.

14 MS. GORDON: -- included in this.

15 MEMBER SPANGLER: Mary, there is  
16 something on Page 59. Can you explain what that  
17 data is? It says, published results of the group  
18 level ranged from -- and gives numbers.

19 MS. GORDON: Page 59. Let's see. I'm  
20 not sure if I -- on Page 59, I'm not sure which  
21 document.

22 MEMBER SPANGLER: The measure

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1 application itself that you submitted.

2 MS. VICALÉ: It should be on the  
3 worksheet.

4 MEMBER SPANGLER: The worksheet.

5 MS. GORDON: Same document we had  
6 emailed you last week including all the preliminary  
7 analysis and comments.

8 MR. SPEAKER: Is somebody able to share  
9 that document?

10 MEMBER SPANGLER: I'm assuming it's the  
11 results from the 17 entities that did pass  
12 validation, because that's the sentence that's  
13 right before that, but I just wanted to clarify.

14 MS. GORDON: Right. And that sounds  
15 like that would -- sorry you guys. Right. And  
16 that would be -- that's correct because where it  
17 talks about two of the 19 entities, that was what  
18 was discovered during the validation process and,  
19 therefore, only 17 of the entities actually  
20 publicly reported at that time, if I'm  
21 understanding what you were asking.

22 MEMBER MARRS: To follow up on the stain

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1 piece, you kind of clarified why statin intolerance  
2 can be included, but you list that antiplatelet  
3 contraindications are included. And can you  
4 describe how that's defined?

5 MS. GORDON: Yes. The reason that we  
6 felt like we could include those contraindications  
7 were that there were certain diagnoses that seemed  
8 to apply across the board for that. Such things  
9 such as an intracranial bleed, a GI bleed.

10 And so, basically we are using more of  
11 ICD-9 coded type diagnoses to identify that. And  
12 so far we weren't able to find the same, you know,  
13 a parallel with the statin use, which is why we would  
14 really like to try to work with -- at least it's our  
15 member's goal, you know, to try to find a way to get  
16 a discreet feel, but can identify like a flag of some  
17 sort that this patient is allergic to a statin so  
18 that we knew that it was accurately identifying that  
19 that's what they are having a contraindication to.

20 DR. KAUFMAN: The coding specificity  
21 for statin intolerance is just not specific enough  
22 to really pick up through claims data.

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1                   MEMBER MARRS:    Right.    It was more  
2                   along the lines of if you were pulling any drug  
3                   allergy data in to identify that or if it was ICD-9  
4                   based.

5                   CO-CHAIR GEORGE:   Tom James, did you  
6                   have a comment?

7                   MEMBER JAMES:    No, I don't think I had  
8                   my hand up.

9                   CO-CHAIR GEORGE:   Jason.

10                  MEMBER SPANGLER:   Thanks, Mary.    I  
11                  just want to follow up.   So, like Sana said, I  
12                  agree.   I thought the outline was really good about  
13                  how you're going to do that.

14                  And the only numbers that I see are here,  
15                  but I'm not even sure how to interpret these  
16                  numbers.   It's just a range.   Is there a median?  
17                  Is there -- so, is there any kind of actual data on  
18                  what the validity, I mean, is this for the 17 that  
19                  you say passed?

20                  I mean, so was 44.8 percent at the group  
21                  level, and 37.92 percent, that was considered pass?

22                  MS. GORDON:    No, not exactly.   It would

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1       -- what we do is we look at patient-level data and  
2       then work with our members on how this data is being  
3       obtained out of their EMRs.

4               And so, in -- I guess basically in not  
5       passing, there were just too many instances of where  
6       when we looked at patient-level data it wasn't --  
7       it just didn't -- I don't know how I'm trying to say  
8       this. It just didn't really pass.

9               There were too many questions about the  
10       data that they were submitting to us through their  
11       EMR.

12              MEMBER SPANGLER:     So, I guess my  
13       question is, what does it mean that these 17  
14       entities passed? What does that mean that they  
15       passed? Do they have a certain -- what does that  
16       mean?

17              MS. GORDON:   Right. Right. When a  
18       random sample of patients were looked at that they  
19       met that -- with the data that was in their EMR, that  
20       they passed that --

21              MEMBER AL-KHATIB:   I think what he was  
22       trying to get at -- what he's trying to get at is

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1       what percentage of agreement did you consider  
2       passing? Percentage.

3               Like, do they have to meet 90 percent  
4       like agreement between what's in the EMR and what  
5       you captured through the billing codes, or what is  
6       that?

7               MS. GORDON: I know, and I don't have  
8       that information with me. Is it something that we  
9       can --

10              MEMBER AL-KHATIB: I mean, the question  
11       for me is -- because it looks like they have a very  
12       good plan for validity, but I think we need more  
13       quantitative --

14              MS. GORDON: Sure.

15              MEMBER AL-KHATIB: -- data to tell us  
16       exactly what they found. Now, the plan, the plan  
17       makes perfect sense. So, I wonder if we could defer  
18       until we get this information from the developer.

19              MS. WILBON: Yeah. So, that might  
20       actually be somewhat soon just because we're losing  
21       another member, which I believe will put us below  
22       quorum. So, we would actually, I mean, we could

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1 continue to discuss, but we couldn't, you know, pass  
2 any votes at this point with the committee any more  
3 measures without, you know, having to do a lot of  
4 work to get everyone back on the same page.

5 It probably makes more sense if everyone  
6 in the room is okay with that to pause this  
7 discussion and we can kind of take some of the  
8 concerns that the committee has, follow up with the  
9 developers.

10 We have two follow-up calls scheduled.  
11 We'll make sure you guys have that information and  
12 we'll kind of get everyone ready to continue the  
13 discussion.

14 And maybe by that time you guys will have  
15 an opportunity to provide the committee with some  
16 additional information that might help clarify some  
17 of these issues.

18 So, I think that might actually be a good  
19 point for us to pause.

20 Does that sound okay, Mary?

21 CO-CHAIR GEORGE: Yeah, I think so,  
22 because I think you know kind of a little bit more

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1 about what the committee is asking in terms of those  
2 validity testing results, but we can't vote on it.

3 MS. VICALÉ: So, we will go to member  
4 and public comment now for the measures reviewed on  
5 Day 2. This is roughly 20 minutes early from when  
6 the original time for a public comment is scheduled  
7 for. Only 3:45. So, we'd like to just note that.

8 So, also of note there will be member and  
9 public comment for all of the measures. And that  
10 will be from October 16th to November 16th.

11 So, I'd like to ask the operator to open  
12 up the line for member and public comment right now.  
13 And please keep that line open a little bit longer  
14 just in case folks would like to comment knowing  
15 that this is a little bit earlier than originally  
16 scheduled.

17 MS. WILBON: Also, if there's anyone in  
18 the room while we're waiting for the operator to  
19 queue up if you have any questions, please feel free  
20 to step up to the microphone or -- okay. Doesn't  
21 look like there's anyone in the room.

22 MS. VICALÉ: Operator, please open the

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1 line for member and public comment.

2 THE OPERATOR: If you'd like to make a  
3 public comment at this time, please press \*1 on your  
4 telephone keypad.

5 (Pause.)

6 MS. VICALÉ: We have a public commenter  
7 in the room.

8 MS. SLATTERY: So, hi. Lara Slattery  
9 from -- it's green. Yeah, it is green. From the  
10 American College of Cardiology.

11 I was just wondering if you could  
12 clarify the earlier vote today regarding -- I lost  
13 my measure. Yeah, Measure 0070. Just so we could  
14 understand what potentially could happen with the  
15 process, because I'm still a little unclear.

16 Was the vote that occurred today  
17 specific to the e-Measure, or does that actually  
18 revisit the endorsement status of the existing  
19 endorsed measure?

20 MEMBER CHO: It's my understanding from  
21 Helen when we started this discussion, it's only for  
22 e-Measure and that we would be voting on the paper

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1 measure or the registry measure at another time.

2 MS. WILBON: That's correct. We'll  
3 review all of the registry versions of those  
4 measures. I believe there's three measures on our  
5 follow-up call that's scheduled.

6 So, today the committee voted on the  
7 e-Measure specs.

8 MS. SLATTERY: And is that happening  
9 within this phase?

10 MS. WILBON: Yes, it will be like in two  
11 weeks. A week or two weeks.

12 MS. SLATTERY: Okay. Thank you.

13 MS. VICALE: Is there anyone else on the  
14 line that would like to make a public comment, or  
15 anyone else in the room?

16 (No comments.)

17 MS. VICALE: And to note for the record,  
18 there were no comments or questions posed through  
19 the chat window in the web platform.

20 THE OPERATOR: And there are no public  
21 comments.

22 MS. VICALE: Okay. Well, thank you

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1 very much. Again, I'd like to reiterate that the  
2 draft report will be posted for public comment.  
3 And that will happen from October 16th to November  
4 16th.

5 CO-CHAIR GEORGE: I'd just like to  
6 thank everyone. I know this is a really difficult  
7 task that we have. And thank you for your good  
8 comments and discussion today.

9 MS. VICALE: Before we leave for today  
10 and adjourn the meeting, I'd like to just go over  
11 the timeline and the next steps for the project.

12 As you can see here, the post-meeting  
13 call will be held September 25th, from 2:00 to 5:00  
14 p.m. eastern time.

15 We scheduled a second post-meeting call  
16 for October 9th from 2:00 to 4:00 p.m. as well. And  
17 as you can see as already noted, the draft report  
18 will be posted for public comment October 16th to  
19 November 16th. And we will have a standing  
20 committee call to review any comments received  
21 during that time on December 7th from 1:00 to 2:00  
22 p.m. eastern time.

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1           A draft report will be posted for NQF  
2 member vote from December 18th through January 5th  
3 -- I'm sorry, that should say January 5th, 2016.

4           And the CSAC will review the  
5 recommendations from the Standing Committee and  
6 provide their recommendations to the Board on  
7 January 12th of 2016.

8           And endorsement via the Board will  
9 happen during February 2016. Exact date we will  
10 follow up with as the project continues. And the  
11 appeals period is from February 8th to March 8th of  
12 2016.

13           So, on behalf of the NQF staff I'd like  
14 to thank the committee for their hard work  
15 throughout the past two days.

16           I'd also like to thank the developers  
17 for presenting their measures. And I'd like to  
18 thank the public for joining us for our in-person  
19 meeting to evaluate the measures.

20           So, thank you all very much and we look  
21 forward to having you on our post-meeting call.

22           (Whereupon, at 3:28 p.m. the meeting was

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1 adjourned.)

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