

THE NATIONAL QUALITY FORUM

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PULMONARY TECHNICAL ADVISORY PANEL

PATIENT OUTCOMES PROJECT

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Thursday, December 3, 2009

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The Pulmonary Technical Advisory Panel met, in Suite 600, in the Homer Building, 601 13th St., N.W., Washington, D.C., at 8:30 a.m., Barbara Yawn, Chair, presiding.

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PRESENT:

BARBARA YAWN, MD, CHAIR
MARK MILLARD, MD
MARGARET NEFF, MD, Msc
RICHARD D. O'CONNOR, MD

ALSO PRESENT:

MEASURE DEVELOPERS:

GERENE BAULDOFF, MD, American Association of
Cardiovascular and Pulmonary Rehabilitation
FRANCOIS de BRANTES, CEO, Bridges to
Excellence (via phone)
R. ADAMS DUDLEY, Philip R. Lee Institute for
Health Policy Studies, University of
California
LARRY HAM, MD, American Association of
Cardiovascular and Pulmonary Rehabilitation
AMITA RASTOGI, MD, Bridges to Excellence

STAFF:

ALEXIS FORMAN
EMMA NOCHOMOVITZ
KAREN PACE
REVA WINKLER

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C-O-N-T-E-N-T-S

Call to Order and Welcome	5
Barbara Yawn	
Introductions	5, 45
Orientation to NQF	13
Orientation to Project, Role of the Technical Advisory Panel	
Alexis Forman. MPH, Project Manager	
Reva Winkler, MD, MPH	
Program Consultant	
Background on Measures	45
Francois de Brantes	45
Larry Hamm	50
Gerene Bauldoff	52
Evaluate Measures and Provide Recommendations	54
Measure 19	54
Mark Millard	55
Measure 20	125
Richard O'Connor	126

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	4
Mark Millard	128
Measure 23	149
R. Adams Dudley	149
Margaret Neff	153
Measure 24	199
Margaret Neff	199
R. Adams Dudley	201
Measure 18	221
Amita Rastogi	221
Mark Millard	223

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1 P-R-O-C-E-E-D-I-N-G-S

2 8:24 a.m.

3 CHAIR YAWN: Good morning,
4 everyone. Welcome.

5 I hope all of you know, if there
6 are any attorneys in here and you think this
7 is for depositions, you are in the wrong room.
8 We are in an attorney's office, a law office.

9 (Laughter.)

10 But this is the TAP for Pulmonary
11 Outcome Measures, and we are very pleased to
12 have everyone here for our meeting this
13 morning.

14 I think we are going to start,
15 basically, with introductions. So I am going
16 to ask everybody to go around and tell us your
17 name, obviously, where you are from, what kind
18 of work you do that you think would be related
19 to outcome measures and quality improvement,
20 and things like that.

21 And maybe after lunch, we will do
22 another quick round and you can tell us one
23 exciting thing about you that you think
24 everybody should know, but they don't.

25 (Laughter.)

26 But we won't start quite that way
27 this morning. It is probably too early.

28 I am Barbara Yawn. I am a family
29 physician. I am from Rochester, Minnesota.
30 No, I do not work at the Mayo Clinic. I work
31 at the other group in town, which is a group
32 of 140 physicians, mainly primary care.

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1 I do research full time and have
2 for several years now. So I am the Director
3 of Research there. Have been involved in lots
4 of guidelines, panels, and was involved on the
5 expert review panel for asthma, and am
6 becoming a part of the gold group, I think in
7 -- they haven't decided if it is June or July,
8 but sometime like that in the next year.

9 So I am very excited to be here. I
10 get the name "Chair", which is one of those
11 figurehead things that I just sit up here and
12 smile, and Reva and Alexis and Karen do all
13 the work, but we will try to move things
14 along.

15 The other thing I just wanted to
16 mention, while I am doing the introduction,
17 is, as you know, when we develop something,
18 all of us have tremendous ownership of it and
19 it becomes part of us. So we will be the same
20 as people are when they are on study section,
21 necessarily critical, but always positive.

22 (Laughter.)

23 So that is how our comments will
24 be. So we will work on that.

25 Why don't we go ahead, Alexis,
26 since everybody knows you, but tell us who you
27 are anyway?

28 MS. FORMAN: Good morning.

29 I am Alexis Forman. I am the
30 Project Manager for the Patient Outcomes
31 Project, and you have received lots of emails
32 from me and lots of information. So now you

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1 know; you are able to put the face with the
2 name.

3 Thank you all for coming this
4 morning, and thank you for all your hard work
5 thus far.

6 DR. O'CONNOR: I am Richard
7 O'Connor. I am from San Diego. I am with
8 Sharp Rees-Stealy Medical Group. We are a
9 group of about 400 physicians. I am Chief of
10 the Division of Asthma there, and I am also
11 head of the Department of Quality Management
12 and have been involved in quality improvement
13 and quality management improvement for many
14 years now. I am also a member of the NCQA's
15 Respiratory Measurement Advisory Panel.

16 DR. MILLARD: Well, you go from a
17 highly-integrated healthcare system in San
18 Diego to Dallas, Texas, which is the bastion
19 of the last standing angry individual, I
20 think, a Lone Ranger.

21 (Laughter.)

22 Healthcare is where I am at Baylor
23 University Medical Center, which is sort of
24 the flagship hospital of the Baylor Healthcare
25 System, different Baylor in Houston. I am the
26 Medical Director of a tertiary care referral
27 center for asthma and COPD. We do pulmonary
28 rehab.

29 I have done a lot of work with
30 outcomes in pulmonary rehab in terms of water
31 and land, developing water- and land-based
32 programs, as well as worked with the Dallas

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1 Public Schools, recently published an article
2 on children with asthma in Dallas in 2003 who
3 did not miss more school than kids without
4 asthma. That certainly was a sea change of
5 opinion, but I think points out the
6 possibilities of aggressive and proactive
7 school nurses.

8 But, anyway, I get to take care of
9 patients and to dabble in pulmonary rehab and
10 asthma, and have a lot of fun at it.

11 CHAIR YAWN: Thank you.

12 DR. RASTOGI: I am Dr. Amita
13 Rastogi. I am with Bridges to Excellence in
14 PROMETHEUS Payment System, with a grant.

15 We are developing a payment reform
16 system in which we are differentiating typical
17 and reliable care from what we call
18 potentially avoidable complications. So, when
19 the call for patient outcome measures came
20 out, somebody recommended that maybe our
21 potentially avoidable complications could
22 serve as some patient outcome measures. So
23 that is what I will be presenting.

24 My background is I am a
25 cardiothoracic surgeon by training, actually
26 at Mayo. I trained to be a heart transplant
27 surgeon, apprenticed in bypass surgery, but my
28 main focus now has been in patient quality and
29 outcomes for the last 11 years.

30 DR. HAMM: Good morning.

31 I am Larry Hamm, and I am here
32 representing the AACVPR, which is -- are you

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1 ready for this now? -- the American
2 Association of Cardiovascular and Pulmonary
3 Rehabilitation, which is why we call ourselves
4 the AACVPR.

5 My day job is just down the street
6 teaching at George Washington University. I
7 am a professor there in the Department of
8 Exercise Science in the School of Public
9 Health and Health Services, and before
10 teaching, have about 25 years of clinical
11 experience out in cardiac and pulmonary
12 rehabilitation programs.

13 CHAIR YAWN: And our goal in the
14 future is to have you say, "pulmonary and
15 cardiac rehab".

16 (Laughter.)

17 DR. HAMM: Okay. I will go with
18 that. That's fine. I am not offended in the
19 least.

20 (Laughter.)

21 CHAIR YAWN: Thank you.

22 DR. HAMM: Yes.

23 DR. BAULDOFF: Hi. I'm Gerene
24 Bauldoff. I am an associate clinical
25 professor at Ohio State University. I am also
26 a member of the Board of Directors of AACVPR
27 and served as one of the coauthors with others
28 on the measures that we brought forward to the
29 Committee today.

30 My clinical background, I have been
31 a nurse for almost 30 years now. My clinical
32 background includes pulmonary rehabilitation,

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1 coordination, lung transplant coordination,
2 home healthcare nursing, and I served as the
3 Nursing and Allied Health Representative on
4 the AACVPR Pulmonary Rehabilitation Guidelines
5 that were published in Chest in 2007.

6 CHAIR YAWN: Thank you.

7 Emma?

8 MS. NOCHOMOVITZ: Hi. My name is
9 Emma Nochomovitz. I am a Research Analyst at
10 NQF and am looking forward to hearing the
11 conversations today.

12 CHAIR YAWN: And before any of us
13 leave today, we have to be able to say your
14 last name three times backwards.

15 (Laughter.)

16 MS. NOCHOMOVITZ: And there's a
17 trick. It's not that hard.

18 (Laughter.)

19 CHAIR YAWN: Okay. Tell us the
20 trick.

21 MS. NOCHOMOVITZ: Oh, the first
22 syllable is "knock", like you're knocking,
23 "uh", "mauve", like the color, although it
24 depends on how you pronounce it, "its", like
25 "it's".

26 CHAIR YAWN: Nochomovitz?

27 MS. NOCHOMOVITZ: Yes, yes.

28 CHAIR YAWN: Okay. And you wore
29 mauve today to help us?

30 (Laughter.)

31 MS. NOCHOMOVITZ: Yes.

32 CHAIR YAWN: We appreciate it.

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1 Margaret?

2 DR. NEFF: My name is Margaret
3 Neff. I am a pulmonary and critical care
4 physician at Harborview Medical Center, which
5 is the academy hospital for the University of
6 Washington.

7 I do most of my clinical work in
8 pulmonary and predominantly critical care. I
9 have done ARDS and substance clinical trials.

10 Because of that interest, I went on and did
11 some master's work in epidemiology. So, in
12 the distant kind of cobwebs in my brain are
13 some wonderful statistician sort of skills,
14 but mostly now doing critical care.

15 Then, for the last couple of years,
16 have been serving as Associate Medical
17 Director for Critical Care. So, in that role,
18 have really been building on quality
19 improvement protocols, you know, sort of
20 building consensus throughout the whole
21 hospital. So it has been pretty exciting.

22 MS. PACE: Hi. I am Karen Pace,
23 and I am on NQF staff. I am one of the Senior
24 Program Directors.

25 The reason I am here is I was
26 Director for the Hospital Outcomes Project
27 that is winding down, we hope.

28 (Laughter.)

29 And also, I have been working with
30 our Consensus Standards Approval Committee on
31 the evaluation criteria and measure submission
32 forms, and those kinds of things.

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1 CHAIR YAWN: Reva?

2 MS. WINKLER: I am Reva Winkler.

3 Welcome, everyone.

4 I am the Senior Advisor for the
5 Patient Outcomes Project, of which this is a
6 part. My background is I have been at NQF for
7 almost nine years now. So I have done any
8 number of projects in a number of topic areas,
9 and it is quite possible -- I keep running
10 into old friends as we regroup committees all
11 the time.

12 But thank you all for coming.

13 I will be helping guide you through
14 the process within the context of a larger
15 project. We are going to explain to you how
16 this fits in with the larger project, as
17 Alexis started as an intro.

18 Just a couple of things, comments I
19 would like to make. Due to the expertise on
20 this Committee and the measures we have in,
21 this Committee is actually sort of
22 pulmonary/ICU. It seemed to be the best fit.

23 So just keep in mind it was because of you
24 that that combination happened.

25 And then more practical details,
26 just recall -- I don't know if you have seen
27 Donald and our transcriber in the back, but
28 this meeting is both being recorded and
29 transcribed. Both the transcript and the
30 recording will be posted on NQF's public
31 website. So realize you are definitely on the
32 record, as well as summaries that will be

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1 made. So just fair warning on that.

2 So, again, my thanks to all of you
3 for coming, making the trek. I know some of
4 you have come a long ways to come be with us.

5 So, hopefully, we can make this a very
6 productive meeting and draw on all of your
7 expertise to help us get the best outcome of
8 this project possible.

9 CHAIR YAWN: And in addition to the
10 more ICU, we do have, as you have probably
11 noticed, we do have from primary to tertiary
12 care. That was also very intentional because
13 it is the full spectrum of care, too.

14 So you are going to go ahead, and
15 Alexis is going to give us a background.

16 MS. FORMAN: Yes. Okay. So the
17 goals of the meeting is to, one, get an
18 orientation, a background on what NQF is, what
19 do we do, and what is currently going on at
20 NQF.

21 We are also going to go over the
22 Outcomes Project as a whole, so you can
23 understand how you fit within this large
24 project and the work plan.

25 Then we are going to discuss the
26 evaluation criteria that you all have been
27 working on when you were reviewing the
28 measures.

29 We are also going to start to begin
30 to review the seven candidate measures that
31 you all were assigned. Then, hopefully, if we
32 have time, and if not, we will have to have a

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1 conference call, to discuss the gaps in
2 outcome measures as far as pulmonary
3 conditions.

4 CHAIR YAWN: And I should tell
5 everybody before, and I am going to apologize
6 immediately, I got a call this morning and my
7 flight, the one I was going to go on at 7:00-
8 something was canceled. So I am leaving on a
9 four o'clock flight, which means I am leaving
10 here at 2:15, and I apologize ahead of time,
11 but I couldn't stay overnight another night.

12 So we will be moving briskly
13 through and probably will have to do some
14 things by telephone, perhaps some of the gap
15 identification and other things, but hope we
16 get through all of the seven measures before I
17 have to leave.

18 MS. WINKLER: Please excuse us.
19 Donald is working on trying to get the phone
20 line, and we are expecting some folks calling
21 in, particularly some of the measure developer
22 representatives to have available for us. But
23 we are having some technical issues in terms
24 of making that phone connection. So, that
25 background, I apologize for, but he is trying
26 to fix it so we can have those folks join us.

27 CHAIR YAWN: So, sorry, after all
28 these interruptions, would you like to go
29 forward now?

30 (Laughter.)

31 MS. FORMAN: So NQF is a private,
32 nonprofit, voluntary consensus-studying

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1 organization. We have over 400 members
2 currently, and those 400 members are organized
3 into eight Councils, which represent the
4 stakeholder perspective within our healthcare
5 system.

6 All right. NQF structure, we have
7 a Board of Directors which oversees the
8 entirety of the project. We have a Consensus
9 Standards Approval Committee, which approves
10 the same Committee's proposed standards. So,
11 when the Standards Committee decides to
12 recommend certain measurements for
13 endorsement, they, then, go to the CSAC, and
14 the CSAC approves that endorsement.

15 The CSAC also acts as sort of like
16 an assistant committee to the Board of
17 Directors, so the Assistant Board of
18 Directors, with policies and procedures within
19 NQF.

20 We also have a National Priorities
21 Partnership, and that was convened in 2008 by
22 NQF. We currently have, I think, 32
23 organizations that sit on this Committee, and
24 their goal is to improve our healthcare
25 system. So they have come up with priorities
26 and goals and come up with some action items
27 and ways to improve our healthcare system.

28 Then we also have a Leadership
29 Network which consists of our eight Council
30 Chairs that represent the stakeholder
31 perspective of the healthcare system.

32 So that is just some brief

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1 background on our current structure at NQF.

2 This slide, we just wanted to show
3 you our new website. When you come to our
4 website, this is the actual first page that
5 you will see. So I don't know if some of you
6 have been going back and forth to our website,
7 but we recently got a new website. So we just
8 wanted to show you our new face on the web.

9 MS. WINKLER: The other thing about
10 the website is, see how it says over on the
11 side "Enroll now"? Anybody, any public person
12 can enroll. What that does is allow you to
13 set up your own dashboard of things of
14 interest within NQF, such that if you just
15 want to follow this project, you log in and
16 this stuff all pops up, as opposed to
17 scrolling through everything else we might be
18 doing. So that allows you to individualize
19 it. So I would encourage you to check that
20 out.

21 MS. FORMAN: And also, our
22 Department, the Department of Performance
23 Measures, if you look at the second tab,
24 "Measuring Performance", that is how you would
25 find out information about what is going on in
26 our Department, our current projects, and you
27 would also see our Patient Outcomes Project
28 page by clicking on that tab.

29 Okay. So NQF has a threefold
30 mission. Our mission is to improve the
31 quality of American healthcare by setting
32 national priorities and goals for performance

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1 improvement, endorsing consensus standards for
2 measuring and public reporting on performance,
3 and promoting the attainment of the Nationals
4 Goals through education and outreach.

5 Some of our strategic goals is to
6 become the primary standards used to measure
7 quality of healthcare in the U.S.; also, to
8 become the principal body that endorses
9 national healthcare performance measures,
10 quality indicators and/or quality-of-care
11 standards.

12 NQF will increase the demand of
13 high-quality healthcare as well as be
14 recognized as the major driving force for and
15 facilitator of continuous quality improvement
16 of the American healthcare system.

17 So this slide talks about our
18 growth in our portfolio of measures. So we
19 are looking for measures that are needed for
20 pay-for-performance programs and, also,
21 measures that are addressing the gaps. We
22 will go into more detail about that when we
23 look at our criteria as far as importance.

24 We are also looking at disparity-
25 sensitive measures as well as measures of
26 patient experience in multiple settings and,
27 also, cross-cutting areas, which is actually
28 part of our Patient Outcome Projects. We are
29 looking at cross-cutting measures, so non-
30 condition-specific measures.

31 Some key issues for our current NQF
32 portfolio: do we have too many? Do we have

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1 too few? And do we have the right measures
2 currently for all of the conditions?

3 Our availability of data sources as
4 well as the transition to electronic health
5 records, which is currently a big issue at
6 NQF. Our current Health IT Department is
7 working hard, and Reva could talk more about
8 that as far as our quality datasets.

9 MS. WINKLER: Right. I just want
10 to mention NQF over the last 10 years has
11 endorsed now well over 500 measures. This is
12 not a static set, but a growing and
13 evolutionary set. So we are constantly trying
14 to look at the measures in the portfolio to
15 ask, which ones still belong there? What are
16 the new ones? How have things progressed?

17 Measures that were okay maybe five
18 years ago probably aren't as good for us
19 today. We are looking for other things. That
20 is probably the underpinning for this entire
21 Outcomes Project, is there has been an
22 evolution in thinking. The idea of patient
23 outcomes, measuring patient outcomes as
24 quality and performance measures has been a
25 little unsettling certainly in the early years
26 of NQF. So we saw growth of a lot of process
27 measures.

28 But there has been incredible
29 change in thinking in all stakeholder groups
30 about the benefit of outcome measures. So
31 moving into that realm of outcomes is part of
32 this evolutionary process of finding the

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1 better measures.

2 So we are constantly remodeling
3 that portfolio to add better, more robust
4 measures and to weed out the ones that either
5 no longer perform, never did much to help
6 drive quality improvement, or are just not as
7 good as perhaps other measures. So it is an
8 ongoing process, that this is very much sort
9 of in the forefront of.

10 DR. NEFF: One question for you
11 along the lines of sort of that strategical
12 being sort of the primary driver. What
13 percent, just at a gut level, would you say of
14 those 500, or even the last, say, year or two
15 worth, have really taken hold to the point
16 that it is the primary driver? Where do you
17 think you are on that spectrum?

18 MS. WINKLER: That is a good
19 question. It is actually something we are
20 doing a very formal evaluation of to find out
21 the amount, the measures that are being used.

22 There are a variety of them. A lot of our
23 measures are picked up in CMS's PQRI project.

24 Some of our perinatal measures are now being
25 implemented by the Joint Commission. Most of
26 the measures or a lot of the measures coming
27 through our hospital project you find posted
28 on CMS's Hospital Compare.

29 So I can't give you a percentage or
30 numbers, but the thing that I think is the
31 real unknown is the fact that we get lots of
32 questions from people, sometimes our members,

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1 sometimes not, on projects because they are
2 implementing within their hospital, their
3 system; they have questions about them.

4 So there is a lot of use out there
5 that is a little hard to track because it
6 isn't something that is big and maybe done in
7 a very local way. So we are struggling with
8 trying to figure out the best way to get that
9 information, so we have a better understanding
10 of how widespread the use is.

11 But I do find it amazing, the
12 questions I get from folks saying, well, we're
13 are using your measures, but we've got a
14 question on "X". So we have to figure out a
15 better way to keep track of that less formal
16 use, if you will, or that local use.

17 MS. FORMAN: So, at NQF, we are
18 driving toward higher performance and we are
19 also looking more at submitting or getting
20 measure developers to submit composite
21 measures. We do have a few composite measures
22 submitted for this project, none under
23 pulmonary specifically, but we do have a
24 couple of composite measures.

25 CHAIR YAWN: Define a composite
26 measure for us, please. What is a composite
27 measure?

28 MS. WINKLER: Let me do it.

29 A composite measure is some
30 combination of individual measures combined in
31 -- you know, there are a variety of
32 methodologies for combining them. One of the

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1 classics is all or none. But others may be
2 weighted averages, so that measures are in
3 some fashion combined to have a summary score.

4 CHAIR YAWN: So they could be
5 across either intermediate or true outcomes,
6 or do you have any that are across conditions?

7 MS. WINKLER: I don't believe so at
8 the moment. It would be nice if we could.

9 MS. PACE: They are more condition-
10 specific, but some have combined process
11 outcome.

12 CHAIR YAWN: Okay. Well, that is
13 what I wanted to define: did composite ever
14 include more than one condition? Because when
15 you are taking care of people with COPD, for
16 example, they don't have one condition.

17 MS. WINKLER: Right. It is not
18 restrictive. It is just I don't think we have
19 seen any of them, these kind of measures
20 presented to us. There is probably some
21 significant complexity in developing a measure
22 like that, but it certainly would not be out
23 of bounds.

24 CHAIR YAWN: Okay. Thank you.

25 MS. FORMAN: We are also looking at
26 harmonization with our measures, with our
27 current measures that are in our current
28 portfolio, as well as measures that we will
29 put forth for endorsement. So harmonization
30 around age, things of that nature. So we are
31 trying to do a better job of making sure that
32 our measures are consistent within certain

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1 parts of the specifications.

2 We are also looking to promote
3 shared accountability and measurement across
4 patient-focused episodes of care, as far as
5 outcome measures, appropriateness measures,
6 and cost and resource measures.

7 So our quality and disparities
8 measurement -- and, Reva, if you can help me
9 out with this? -- we are looking at an
10 assessment of quality by race, economic
11 status, ethnicity, primary language. We want
12 that to become a part of our performance
13 measurement.

14 We would like to explore direct
15 methods for collecting this information that
16 are efficient and effective. We are also
17 looking to identify disparity-sensitive
18 measures that I mentioned earlier.

19 MS. WINKLER: I just want to
20 comment. One of the things that is an
21 important issue around the topic of
22 disparities is, when we look at risk
23 adjustment methodologies and risk factors,
24 what is included and what is not.

25 There are some fairly strong
26 opinions among the NQF membership of whether
27 not to include some of the classic race,
28 ethnicity, SES kinds of things that could sort
29 of get buried that could sort of get buried in
30 the midst of an adjustment methodology.

31 So we will talk more about that.
32 That will be an important thing, consideration

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1 to look at and note many of the risk
2 adjustment methods.

3 MS. FORMAN: And here we have an
4 episode framework that we recently did at NQF.
5 This is just an example of acute MI.

6 MS. WINKLER: Yes, the episode-of-
7 care framework is something that is growing
8 that NQF has been -- it started with an
9 overall framework, and then is applying it to
10 various very common conditions.

11 This is known as the NQF bubble
12 diagram. I actually go to conferences now and
13 see our own bubble diagrams presented by other
14 people. So it is making its way out there.

15 In terms of trying to look at what
16 is an episode of care, looking at populations
17 at risk, patients that actually have acute and
18 then post-acute and secondary symptomology,
19 and where the episode would begin might be
20 different for different conditions, whether
21 like acute MI or chronic like diabetes.

22 But this is a concept that a lot of
23 folks have embraced for a lot of different
24 ways of trying to describe something more than
25 the point in time, single-visit kind of
26 approach to measurement and assessment of
27 quality performance.

28 CHAIR YAWN: At some point in time,
29 and not today, but you might want to explain
30 why you don't use what has been for many years
31 the standard epidemiology terminology of
32 tertiary prevention and choose two kinds of

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1 secondary. But we won't go there today,
2 please.

3 MS. WINKLER: I will let Ellie
4 explain that to you.

5 CHAIR YAWN: Yes, good.

6 MS. FORMAN: As I mentioned
7 earlier, NPP, NPP has several priorities that
8 they are looking to work with different
9 stakeholders within our healthcare system to
10 improve our healthcare system.

11 So the first one is engage patient
12 and families in managing health and making
13 decisions about care.

14 Improve the health of the
15 population.

16 Improve the safety and reliability
17 of America's healthcare system.

18 Ensure patients receive well-
19 coordinated care across all providers,
20 settings, and levels of care.

21 Guarantee appropriate and
22 compassionate care for patients with life-
23 limiting illnesses.

24 And eliminate waste while ensuring
25 the delivery of appropriate care.

26 This was a part of the evaluation
27 form that we all had you fill out. Staff
28 looked at these priorities and the specific
29 goals under each of these priorities to see if
30 the measures actually fit the goals. It is
31 okay if the measure doesn't, but NQF will be
32 working to make sure that we endorse measures

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1 along those NPP Priorities and Goals.

2 CHAIR YAWN: We would prefer that
3 asthma is not a life-limiting one.

4 MS. FORMAN: I would hope so.

5 CHAIR YAWN: Especially in
6 children. No, it is one of our measures we
7 looked at, is asthma in children.

8 MS. FORMAN: And this is the same
9 framework. What we did, we took those
10 priorities and matched it along the different
11 phases within this framework.

12 Now a little bit more about our
13 Patient Outcomes Project. It is being funded
14 by the Department of Health and Human
15 Services, and we are focused on the top 20
16 Medicare conditions in which 95 percent of the
17 expenditures for Medicare are being spent on
18 these specific conditions. So we are looking
19 to improve the outcome for patients, whether
20 it be to reduce re-admissions or to improve
21 the health of the patient.

22 We are also looking to expand NQF's
23 current portfolio of outcome measures.

24 MS. WINKLER: Just to mention, when
25 HHS came to us to start this proposal going,
26 their focus was the top 20 Medicare
27 conditions. However, in response, we
28 broadened it a little bit in some areas,
29 asthma being one of them, because that doesn't
30 hit the top 20 Medicare list, but certainly is
31 a huge thing for everybody else.

32 So it is not just those. It is

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1 those plus a few things. We have tried to
2 expand some of the boundaries that were
3 logical and made sense. So that is where the
4 asthma comes in for this particular group.
5 There are a couple of others, but just in case
6 anybody was wondering about asthma.

7 MS. FORMAN: So these are our
8 conditions for this project. They are broken
9 up into three phases, since there are so many
10 conditions that we are focusing on. You are
11 part of phase one, the pulmonary path. We
12 will be looking at asthma measures, COPD
13 measures, as well as some ICU-related
14 measures.

15 We currently have eight TAPs total
16 for this project, and we have three total
17 standing committees. For phases one and two,
18 they share one steering committee, and for
19 phase three, mental health has a steering
20 committee and child health has a separate
21 steering committee. But phases one and two
22 have eight TAPs total. So you are the first
23 TAP to actually meet. So you are a trial-and-
24 error group.

25 DR. O'CONNOR: We didn't sign a
26 consent form. I am not sure we should be
27 experimenting.

28 (Laughter.)

29 MS. WINKLER: Exactly.

30 CHAIR YAWN: They mean no IRB.
31 Physicians and nurses are humans. We don't
32 count.

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1 (Laughter.)

2 MS. WINKLER: We'll get a waiver.

3 MS. FORMAN: So we also have a
4 cardiovascular TAP that will be looking at
5 CAB, MI, heart failure, stroke, afib. We have
6 a diabetes metabolic TAP.

7 Then, in phase two, we have a bone
8 and joint TAP, a cancer TAP, a GI TAP,
9 infectious disease, and eye care TAP.

10 Then, in phase three, we will be
11 looking at mental health, depression,
12 Alzheimer's, and then child health as a whole.

13 Child health is pretty broad. It is not
14 limited.

15 So our project goals are to endorse
16 additional measures suitable for public
17 reporting and quality improvement, and we are
18 looking at, again, cross-cutting measures, so
19 non-condition-specific measures, as well as
20 the measures within those conditions that I
21 just named.

22 We are also looking to identify
23 gaps in measurement. So we are going to look
24 to you all as our TAP members, as well as our
25 Steering Committee, to come up with or
26 recommend potential outcome measures to fill
27 those gaps.

28 MS. WINKLER: Just to mention,
29 these goals actually are fairly equal. This
30 particular group has a reasonable number of
31 measures to evaluate, but there are certainly
32 other types of outcome measures of interest,

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1 and the Steering Committee has sort of created
2 a bit of a framework of the different types of
3 outcome measures. Once we get through the
4 measure evaluation part of it, we will want to
5 have a discussion about potential -- you know,
6 what might an outcome measure look like around
7 functional status or COPD for asthma? How
8 might an outcome measure look for adverse
9 outcomes, things like that?

10 And that is an important part of it
11 because it will form an agenda that is very
12 eagerly sought by some of the other activities
13 we have under this very large HHS contract
14 that we have, but also HHS itself. I talk
15 with them twice a month for fun. This is an
16 important aspect of it because they are in a
17 position to direct some of the resources in
18 the federal government to create some of these
19 measures that are desirable. So they are
20 looking for that agenda as well.

21 So your input will be very
22 important as we sort of build that. You know,
23 what are the measures that are really needed,
24 but we don't have yet?

25 MS. FORMAN: Okay. All of our
26 projects go through what we call a consensus
27 development process. It is to make sure that
28 we are looking and receiving views from all
29 stakeholders within our healthcare system. So
30 that is why we have a multi-stakeholder
31 membership. What we try to do in our steering
32 committees and TAPs, where possible, we try to

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1 have at least one representative from each
2 stakeholder within healthcare. So consumers,
3 providers, health professionals, purchasers,
4 community and public health agencies, supplier
5 and industry organizations, health plans. We
6 try to make sure that we get everyone's
7 opinion because we want it to be a consensus.

8 Also, as you know, our formal
9 endorsement is voluntary. We are not saying
10 you have to use these measures. They are pure
11 voluntary consensus measures.

12 So this is part of our consensus
13 development process. As you can see, you are
14 highlighted in yellow. Technical advisors,
15 our panels, and workshops.

16 So what happens is we get a
17 project. We start our project up by having a
18 call for intent. So this call for intent is
19 mainly geared toward measure developers. We
20 say, "Hey, we have a new project. We would
21 like for you to let us know if you plan on
22 submitting to this project, if you have any
23 measures that fit within the scope of our
24 project."

25 Then we have a call for nominations
26 and a call for measures. The call for
27 measures for this project was broken up into
28 two call for measures, one for phase one and
29 one for phase two. That was, again, because
30 we had so many conditions.

31 Our call for nominations is how we
32 created this task, as well as our seven TAPs

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1 and our main steering committees.

2 Then, after we had our call for
3 nominations and our call for measures, you
4 received our measures. We selected our TAP
5 and Steering Committee, and here we are today.

6 We are viewing the measures that were
7 submitted.

8 So, after this meeting, we will
9 meet with the other seven TAPs. Then the main
10 Steering Committee will come together and
11 review your recommendations and rationales
12 behind the measures that you reviewed, and
13 they will come to a consensus as a Steering
14 Committee and propose consensus measures to be
15 approved or endorsed by NQF.

16 CHAIR YAWN: And I am the liaison
17 to that Steering Committee. So it won't be
18 just what the written things are; I will be
19 there to be able to give them some context, in
20 addition to the staff being there.

21 MS. WINKLER: Right. Barbara is
22 not a liaison. She is actually a full member
23 of the Committee.

24 CHAIR YAWN: Okay, I am a member of
25 the Committee.

26 MS. WINKLER: With voting power.

27 CHAIR YAWN: Wow. Okay.

28 (Laughter.)

29 MS. FORMAN: So, once the Steering
30 Committee puts forth the measures that they
31 think should be recommended for endorsement,
32 we will draft a report and we will go out for

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1 NQF member and public comment. The draft
2 report will be listed on our website, and
3 anybody can comment. That is a 30-day period.

4 Once we receive all of our comments
5 from the recommendations from the Steering
6 Committee, the Steering Committee will then
7 meet together for a conference call to review
8 those comments. At that time, we will go
9 through the major concerns or the major
10 comments that we have, and we propose action
11 responses to each of the comments that were
12 submitted.

13 Once we do that, we then draft or
14 we edit a report, if there were any changes.
15 Sometimes what happens is there are comments
16 saying, "Well, oh, you didn't recommend this
17 measure, and these are the reasons why you
18 should have recommended this measure." "These
19 are the reasons why you shouldn't." Either it
20 is based on scientific evidence or guidelines
21 of the nature that the Steering Committee or
22 the TAPs didn't think of or didn't necessarily
23 know.

24 So, then, after we look at the
25 comments, we have the conference. We then go
26 to voting. This is a 30-day voting period
27 where NQF members vote on the measures that
28 the Steering Committee has recommended for
29 endorsement.

30 Then, once that closes, after that
31 30-day period, we then go to our Consensus
32 Standards Approval Committee that I was

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1 talking about earlier. Then they approve the
2 proposed endorsed standards that the Steering
3 Committee would like NQF to endorse.

4 MS. WINKLER: CSAC is essentially a
5 subcommittee of the Board, the action of
6 putting the final endorsement on something
7 that was directly a Board action, but just
8 sort of overwhelmed them with the amount of
9 work. So they created the subcommittee to do
10 sort of a lot of the heavy lifting for them.
11 They, then, ratify the recommendations of the
12 CSAC.

13 MS. FORMAN: Then, once we have
14 that Board ratification, we have a 30-day
15 appeals at that time, where anyone can submit
16 a letter to NQF, if they didn't have a chance
17 to get their voice heard or if they have some
18 concerns about the endorsed measures.

19 So your role as a TAP member, you
20 will provide technical input to the Steering
21 Committee regarding the criteria within that
22 evaluation form and within that evaluation
23 criteria, and that is what you all have been
24 working on. You were assigned measures, and
25 there is a primary reviewer and a secondary
26 reviewer, and we will be going over that
27 information.

28 Also, our Chair, Dr. Yawn, will sit
29 on the Steering Committee, and she will
30 represent this TAP. She will be the voice of
31 the TAP.

32 And for this project, as we said

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1 previously, we will work with you to come up
2 with suggestions on gaps in measurement and
3 recommendations on what measures that aren't
4 out there that should be out there and should
5 be endorsed.

6 Our role as NQF staff, we are here
7 to achieve the goals of the project and to
8 make sure that we do the consensus development
9 process. We will organize all meetings and
10 conference calls. We will make sure you get
11 the information that you need in order to
12 review the measures. We will make sure that
13 you get through the steps of the CDP as well
14 as adhere to NQF's policies and procedures.

15 We will draft all of the reports.
16 We will make sure that we send everything out
17 to you before we post it, to make sure that we
18 have collected your voice.

19 And we will also ensure
20 communication amongst all project
21 participants, including the Steering
22 Committees, the measure developers.

23 Now we will look at the measure
24 evaluation criteria. Karen has been deeply
25 involved in this.

26 So our new criteria was approved by
27 the Board in August 2008. This new criteria,
28 it strengthened our endorsement criteria as
29 well as clarified some issues.

30 So what we are looking for now,
31 like I said earlier, is having a greater
32 measure harmonization. We are also looking

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1 for more outcome measures, and with our
2 process measures, we are looking for that link
3 between the process and outcome measures.

4 So this is a table that shows our
5 old criteria and some of the new changes from
6 our new criteria. Our importance to measure,
7 with our measures now, you must pass, the
8 measure must pass the importance criteria in
9 order to move forward to be reviewed for
10 scientific acceptability, feasibility,
11 usability. If it doesn't pass the importance
12 criteria, the measure stops there, and it will
13 not be reviewed for potential endorsement by
14 NQF.

15 Our feasibility, we now have a
16 greater emphasis on health IT. Our usability,
17 we have a greater emphasis, again, on
18 harmonization.

19 Karen, did you want to add
20 anything?

21 MS. PACE: Not right now.

22 MS. FORMAN: Our conditions for
23 consideration, and these are the four steps
24 that the NQF staff completed before handing
25 out the measure to you. So we looked to make
26 sure that we have an intellectual property
27 agreement signed, and if it in the public
28 domain, they, of course, don't have to have
29 that agreement.

30 We also look to make sure that
31 there is someone responsible for this measure,
32 and that the measure will be updated and

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1 maintained.

2 We also have to make sure that, no
3 matter what, the measure both is used for
4 public reporting and quality improvement, not
5 one or the other, but both.

6 And we look to make sure the
7 measure submission form is complete and the
8 information is there that is needed for you
9 all to be able to review it to the highest
10 potential.

11 Also, generally, we like for our
12 measures to be fully developed and tested.
13 However, it is okay if they have not been
14 tested. If the measure moves through the
15 process, the CDP, and it is recommended for
16 endorsement, it is only allowed a time-limited
17 endorsement because it has not been tested,
18 because we don't have those test results.

19 And the measure developer must
20 complete testing within 24 months. So we do
21 have a couple of measures within our Patient
22 Outcomes Project in which they will only be
23 eligible for a time-limited endorsement
24 because that testing has not been completed.

25 MS. PACE: I am just going to say
26 that is changing a little bit in the very near
27 future. We will have to see what impact that
28 has on this project.

29 But, generally, the Board I think
30 discussed this week not making time-limited
31 endorsement available for outcome measures
32 because outcome measures are so complex,

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1 outcome or composite measures.

2 So we will have to give you an
3 update on that, but if there are -- are any of
4 the measures today untested? I don't think
5 so. So we will have to provide you an update.

6 CHAIR YAWN: But it doesn't seem to
7 apply since we don't have any untested
8 measures.

9 MS. PACE: Yes, right.

10 MS. FORMAN: And this is just a
11 brief, overview view of our timeline. Our
12 selection of our TAPs is still ongoing. We
13 are wrapping that up. So we should have our
14 final proposed slate out for our 14-day
15 comment period within the next week.

16 The main Steering Committee met in
17 October, the 19th and 20th. The scope of that
18 meeting was to come up with a scope of the
19 project, to get familiar with the project, to
20 get familiar with our measure eval criteria,
21 and our measure evaluation form, as well as,
22 at that time, we were still doing some
23 outreach to receive measures for this project.

24 So they did an excellent job of providing us
25 with suggestions and avenues on how to solicit
26 more measures for our project.

27 In phase one, we have three TAPs.
28 So the TAPs will meet from December through
29 January. Like I said, you are our first TAP
30 to meet. Then, for phase two, we have five
31 TAPs, and they will meet from January to
32 March.

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1 Then, once all of our TAPs meet,
2 and they have come up with their
3 recommendations and rationale, the main
4 Steering Committee will meet to review your
5 strengths and weaknesses in your rationale
6 behind your ratings for each of the
7 subcriteria. They will meet on the 20th and
8 21st of April.

9 Then, if they get through all the
10 measures at that time, we will begin to get
11 ready for our comment period. But they will,
12 between April, either that meeting or
13 conference calls later, they will decide on
14 which measures they would like to recommend
15 for endorsement.

16 We hope to have our comment period
17 begin in June of 2010 and then our member
18 voting in August, with the Board ratification
19 in late October.

20 This timeline could be changing,
21 but, as of right now, this is how we would
22 like our project to go.

23 So let's talk about --

24 CHAIR YAWN: So how are you doing?
25 We've got about 10 minutes max. Okay?

26 MS. FORMAN: Ten minutes max.

27 CHAIR YAWN: I think that if you
28 have something like that, they can read a lot
29 of it.

30 MS. FORMAN: Okay. So we can skip
31 through some things?

32 CHAIR YAWN: Yes.

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1 MS. FORMAN: Okay.

2 CHAIR YAWN: Well, I am not saying
3 you should skip some right now.

4 MS. FORMAN: I mean we can move to
5 the evaluation process.

6 CHAIR YAWN: That would probably be
7 okay, I think.

8 MS. FORMAN: Okay. So, as we all
9 said, the TAP members will evaluate the
10 subcriteria for the condition-specific
11 measures, and the full Steering Committee will
12 evaluate the measures and vote.

13 For measures that pass importance,
14 which for this project it kind of seems like,
15 because you have so many conditions, that it
16 has already passed important. We know that
17 the conditions that we are looking at are
18 valuable within our healthcare system. So,
19 again, the Steering Committee votes on the
20 recommendations for endorsement.

21 So our four main criteria are
22 important to measure and report, scientific
23 acceptability, usability, and feasibility.

24 So important to measure, we are
25 looking for, is this measure important enough
26 for resources for measurement and reporting?
27 Is there opportunity for improvement? Is
28 there a current gap or is there a high impact
29 within our healthcare system? And do we have
30 the evidence to support why this measure is
31 important?

32 And again, in order for this

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1 measure to move throughout the process, it
2 must pass the importance criteria.

3 For scientific acceptability --

4 CHAIR YAWN: And the fact that the
5 staff decided it passed the importance
6 criteria doesn't mean that we have to say we
7 agree completely. We can say we think it is
8 pretty important, but maybe not the highest
9 level, because you are going to get the
10 grades, is that correct? Okay.

11 MS. PACE: And let me just clarify.
12 Staff don't usually make that decision. So I
13 think what Alexis was saying, that, in
14 general, these outcome measures and the fact
15 they relate to the priority conditions
16 probably indicates that they will pass that
17 criterion, but it is your review and
18 decisionmaking.

19 CHAIR YAWN: Okay. So you have
20 looked at it and said, well, blood pressure
21 control is not a good outcome criteria for
22 asthma; you would have thrown that out, for
23 example? I am just using a wild example.

24 MS. PACE: I don't know that we
25 would have thrown that out. That probably
26 still would have come to the TAP for review.

27 CHAIR YAWN: Okay. Well, we would
28 have thrown it out.

29 MS. PACE: Right.

30 (Laughter.)

31 CHAIR YAWN: Okay. Especially with
32 children.

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1 Okay. Go ahead.

2 MS. FORMAN: With scientific
3 acceptability, we are looking at the
4 specifications. We are also looking at the
5 reliability testing and validity testing, as
6 well as risk adjustment, which is huge when it
7 comes to outcome measures and exclusions.

8 So, for exclusions, the evaluation
9 criteria requires that evidence is presented,
10 that measure results would be distorted
11 without specified exclusions. And if a
12 patient preference is a consideration in the
13 numerator and denominator exclusions, the
14 measure should be specified so that the effect
15 of patient preference on the measure is
16 transparent.

17 Karen, did you want to add anything
18 about it?

19 MS. PACE: Well, the reason we have
20 this extra slide on exclusions is exclusions
21 has been a growing issue at NQF. There are
22 some measures that we get where there seems to
23 be a tendency to try to identify every
24 potential exception that somebody may have
25 seen in their practice over the last 10 years.

26 So we need to include it as an exclusion.

27 So the work on the evaluation
28 criteria really stressed that exclusions
29 should be limited. They should be evidence-
30 based. There should be a good rationale for
31 it, rather than trying to think of every
32 possible thing that could happen in a

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1 particular situation.

2 DR. O'CONNOR: I am trying to think
3 of examples. Pediatric immunization, for
4 example, if parents refuse an immunization,
5 would that be considered an exclusion?

6 MS. PACE: Well, the discussion
7 about patient preference, and this came up
8 specifically in an immunization project that
9 we had a year or so ago --

10 DR. O'CONNOR: I'll bet it did.

11 MS. PACE: That a patient
12 preference is going to be one of those issues
13 that it really should be transparent. So, in
14 our immunization project, how that came out,
15 the committee actually recommending standard
16 specifications, is that would be a numerator
17 category. So the numerator actually included
18 patients that were offered the immunization
19 and refused, patients that actually received
20 the immunization, and patients --

21 DR. O'CONNOR: So it would be part
22 of the numerator rather than --

23 MS. PACE: Right, exactly.

24 DR. O'CONNOR: -- subtracting from
25 the denominator?

26 MS. PACE: You know, patient
27 preference is one of those things, and there
28 was a lot of sentiment on that particular
29 committee that it is easy to kind of check
30 that box or lean in that direction. So they
31 just want it to be transparent, if it is
32 really an issue for a particular measure.

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1 CHAIR YAWN: And it also frequently
2 you can make feasibility much more complex if
3 you start putting a bunch of exclusions in.

4 MS. PACE: Right.

5 CHAIR YAWN: So I think that is
6 another reason that I am sure you are thinking
7 about exclusions. The more you put in, the
8 more difficult it is to --

9 MS. PACE: Right. The more data
10 you have to collect.

11 CHAIR YAWN: -- to operationalize
12 that measure.

13 MS. PACE: Exactly.

14 MS. FORMAN: Okay. When looking at
15 our usability criteria, is this measure
16 meaningful? Can it be used for public
17 reporting and quality improvement, not solely
18 one or the other?

19 Then feasibility, can this be done
20 without undue burden?

21 CHAIR YAWN: Of course, you define
22 undue burden by saying, "hmmm" --

23 MS. WINKLER: Actually, one of the
24 things that is particularly timely on this is
25 the adaptability or the ability to use HIT in
26 this in terms of feasibility, either existing
27 electronic data systems or what is your plan
28 to embrace or transition to EHR use and data
29 from readily-available electronic sources.
30 That really is a major focus because the idea
31 of paper chart review is pretty much no one is
32 ever going to do it. So we need to move on.

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1 MS. PACE: And actually, the
2 emphasis on importance to measure and report
3 also has some reasoning behind it related to
4 feasibility. I mean there's only so much
5 resources to go into data collection and
6 reporting. So the idea is to really try to
7 focus on those things that are going to have
8 the biggest impact on overall improvement in
9 healthcare and health.

10 So it is not just, is it important
11 to do in your everyday practice? I mean
12 there's thousands of things that people have
13 to do. So we are really trying to focus in on
14 resources used for data collection, data
15 reporting, to those that are going to make the
16 biggest difference.

17 MS. WINKLER: Barbara, just one
18 thing Donald is saying. We have folks on the
19 phone, and the question is, who is there and
20 can you hear us? So I heard a couple of
21 folks.

22 Francois, are you on the phone?
23 Can you hear me?

24 MR. DE BRANTES: Yes, I am.

25 MS. WINKLER: And you can hear me?

26 MR. DE BRANTES: Yes, I can.

27 MS. WINKLER: Thank you.

28 Is anybody else on the line?

29 (No response.)

30 Not admitting it or can't hear me.

31 CHAIR YAWN: Francois, can you
32 introduce yourself, please? This is Barbara

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1 Yawn. Everybody else has introduced
2 themselves. We would appreciate a short
3 introduction. We have part of your name
4 anyway -- who you represent, and a sentence or
5 two about your background.

6 MR. DE BRANTES: Well, it is sort
7 of broad. I am the CEO of Bridges to
8 Excellence at PROMETHEUS Payment. We are here
9 today to present a couple of measures on
10 complications of care.

11 My background is I have been
12 working on payment reform and incentives for
13 quite some time, starting a few years at GE as
14 a leader for a healthcare initiative and, more
15 recently, on a full-time basis, in this not-
16 for-profit organization.

17 I have worked with the NQF before,
18 in particular, as a member of the Steering
19 Committee on Efficiency in Episodes of Care.
20 That is about it.

21 CHAIR YAWN: That is great. Thank
22 you very much.

23 Go ahead. Alexis, do you have
24 more?

25 MS. FORMAN: No.

26 CHAIR YAWN: Okay.

27 MS. WINKLER: At this point, what
28 we need to do is just allow each -- we have
29 measures from three different measure
30 developers. We have representatives from two.

31 MS. FORMAN: Two.

32 MS. WINKLER: I don't see CSF. He

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1 is not on the phone. Okay. Well, then we
2 will go to two of them.

3 As an introduction to the measures
4 that you are going to be looking at this
5 morning, the measure developers can provide
6 you some background on how they developed
7 them, why they developed them, what was the
8 circumstances around it.

9 Who do you want to have go first,
10 Alexis?

11 MS. FORMAN: Francois can go first
12 since he is on the phone.

13 MS. WINKLER: Okay.

14 MS. FORMAN: Because I know his
15 schedule is pretty tight.

16 MS. WINKLER: All right. Why don't
17 we let Francois continue, and he can explain
18 the background to the measures that they have
19 submitted to us.

20 Francois, are you there?

21 MR. DE BRANTES: Yes, I am. Okay.

22 CHAIR YAWN: Okay. So could you
23 briefly discuss that?

24 MR. DE BRANTES: Just a few words
25 of background because I know that talking on a
26 cell phone over a conference line is not ideal
27 at all.

28 So, about three and a half to four
29 years ago, we started this work around
30 definitions of episodes of care for various
31 chronic conditions, procedures, and acute
32 medical events. That process turned into what

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1 is now known as the PROMETHEUS Payment Model.

2 As a part of that, the charge
3 really of the team was to look at and
4 understand the different components of costs
5 of care, and to base episodes on what we
6 could, and not just us, but through clinical
7 working groups and teams of medical experts,
8 delineate the appropriate, typical, normal
9 care for each one of these episodes.

10 As we did this, one of the charges
11 of each one of the working groups, clinical
12 working groups, was to identify the
13 potentially avoidable complications of care
14 that would occur within a disease stage
15 procedure, acute medical events.

16 Since then, we have turned these
17 definitions into formal, delineated,
18 complication-of-care measures, which is what
19 my colleague, Amita Rastogi, is going to
20 present later today.

21 And we had an opportunity to run
22 the definitions of these complications of care
23 on several national and regional commercial
24 claims databases in order to ascertain both
25 the feasibility of the methodology, as well as
26 its reproducibility in different datasets. At
27 each step, we have gone back to either
28 physicians, hospitals, and communities or the
29 working group of members to look at and
30 validate the outputs. So that, ultimately,
31 the original definitions around what
32 constitutes the potentially avoidable

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1 complications of care were, in fact,
2 illustrated by the data modeling.

3 So, while we certainly and I
4 certainly don't pretend that we have had an
5 opportunity to thoroughly statistically set,
6 validate, and analyze the robustness of the
7 measure, I do think that we have at least gone
8 through a series of feasibility testing and
9 field testings, if you will, the results of
10 measuring these definitions around
11 complications of care, and to ascertain both
12 their prevalence within the delivery system
13 and their underlying cost.

14 So that is a broad brush. Of
15 course, there is a lot of work underlying the
16 definitions of these complications-of-care
17 measures. That really is what my colleague is
18 going to focus on.

19 But let me pause here and see if
20 there are any specific questions that the
21 Technical Advisory Panel would like me to
22 address.

23 CHAIR YAWN: I have a feeling those
24 will be much more specific questions as we
25 look at the measures.

26 So does anyone have any overall
27 questions now?

28 (No response.)

29 I don't think so.

30 So the next step, Reva?

31 MS. WINKLER: Yes, I think we are
32 ready to kind of move on.

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1 Do we have anybody from San
2 Francisco on the line?

3 MS. FORMAN: No.

4 MS. WINKLER: No? Okay. So I
5 guess our friends at the end of the table who
6 are here with us get the first shot.

7 What are the numbers of the
8 measures?

9 MS. FORMAN: Nineteen, OT1-10-09.

10 DR. NEFF: Can I ask one question,
11 just about the sort of expectations for today
12 as well?

13 MS. WINKLER: Yes.

14 DR. NEFF: Since we have all been,
15 obviously, working in our own little silos on
16 these measures, and now we are going to get
17 together, undoubtedly, there will still be
18 questions that we have and have to maybe dig a
19 little bit deeper.

20 Is the expectation, then, sort of
21 to get as much as we can out through today and
22 then still do conference calls back and forth
23 to finalize? I mean just to get a feel for it
24 because it will be complex to nail it all
25 down.

26 MS. WINKLER: It will depend very
27 much on how these conversations go.

28 DR. NEFF: Okay.

29 MS. WINKLER: But one of the
30 reasons we asked you to try to get the
31 information to us is so that we could present
32 like both reviewers' perspectives and discuss

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1 where they are the same, everybody agrees that
2 they are different; what are the issues? How
3 might we resolve it?

4 At the end of the day, what we want
5 is one of these evaluation forms for each
6 measure reflecting the evaluation of the
7 subcriteria for the TAP as a whole. So the
8 first step was two folks got to really look
9 into each measure to present, to discuss, and
10 lead the discussion. Then we will come up
11 with sort of a final version out of the TAP.

12 Whether it will be totally
13 completely today or not remains to be seen,
14 but, certainly, there is plenty of time for us
15 to do followup as needed.

16 CHAIR YAWN: And I think that you
17 will find several of the measures are really
18 quite similar. So, when we look across, I
19 think that we will be able to sort of say,
20 yes, what we said before applies to this one
21 also. So I don't think it is quite as onerous
22 as it looks like from having that many
23 different measures.

24 So I have to step back, and I'm
25 sorry, I should have asked you on the phone
26 the other day. So how much do we ask the
27 developers to give us before we start our
28 review? Because we did have the materials.
29 So I am just asking.

30 MS. WINKLER: Yes, I think it would
31 be nice, just as we did with Francois, to ask
32 if they want to give a few minutes of just

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1 introduction and background of the measures.
2 Then we will start discussion.

3 CHAIR YAWN: Okay. So you were
4 talking about the other group who is present.
5 That was my question. You are not asking,
6 because you are Bridges to Excellence also,
7 you are not asking her to tell us more about
8 it? You are asking the other group?

9 MS. WINKLER: Right.

10 CHAIR YAWN: Thank you. I was
11 confused.

12 MS. PACE: I mean, just in general,
13 we usually ask the measure stewards or
14 developers to give a brief introduction, but
15 this is the TAP's meeting, and they are here
16 to respond to questions or provide more
17 information that you might ask for.

18 CHAIR YAWN: Okay. No, I
19 misunderstood. I thought you were asking for
20 just Excellence to give us even more
21 information.

22 MS. PACE: No, no, no.

23 CHAIR YAWN: So I understand now.

24 Could you please give us --

25 MS. PACE: Give us your measures.

26 CHAIR YAWN: Yes.

27 DR. HAMM: Yes, I would be happy
28 to. Thank you.

29 I am just going to open up with a
30 few general remarks, and then Gerene is going
31 to more specifically address some remarks
32 about the measures.

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1 AACVPR is a group of about close to
2 3,000 multidisciplinary healthcare providers
3 who work in the field of rehabilitation. I
4 just want to thank you, on behalf of the
5 Association and on behalf of all of our
6 members, for reviewing these measures.

7 They are very important to us
8 because I am sure you realize that the
9 rehabilitation is not the pizzazz and upfront
10 area in healthcare. But, to us, it is very
11 important, and we are pleased to see that our
12 measures have gotten to this point in the
13 process.

14 Also, for another reason, it is
15 important to us. Actually, for two reasons.
16 The first being that last spring we got two
17 time-limited endorsements for some cardiac
18 measures relative to rehabilitation, and we
19 were very pleased about that. This sort of is
20 the bookend for us on the pulmonary side of
21 things, and we hope that we are successful
22 here as well.

23 I think something else that might
24 be of interest to you to know is that there is
25 new legislation going into effect January 1
26 that makes pulmonary rehab a guaranteed
27 benefit for Medicare subscribers, which was
28 not the case prior to this new legislation.

29 So we expect quite an uptick in
30 participation in pulmonary rehabilitation
31 programs around the country, and it would be
32 very nice to have some quality measures in

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1 place right from the very beginning of this
2 increase, what we anticipate to be increase in
3 activity for our services.

4 So, Gerene?

5 DR. BAULDORFF: We have submitted
6 two outcome measures to be evaluated. The
7 first is capacity in COPD before and after
8 pulmonary rehabilitation.

9 And the instrument of measurement
10 that we propose to use in this is the six-
11 minute walk. The six-minute walk, we can get
12 into more detail, is a very well-validated,
13 very well-tested, long history of use in
14 patients with COPD and in pulmonary rehab.

15 The second measure is health-
16 related quality-of-life outcome measure for
17 patients with COPD who participate in
18 pulmonary rehab. In that, we selected a
19 single instrument, the chronic respiratory
20 disease questionnaire, for our description,
21 although we have others, if there is interest
22 in us expanding that program.

23 The rationale for these two
24 outcomes comes out of multiple sets of
25 guidelines that have been generated that are
26 all evidence-based. Of these, these are the
27 two outcomes that have the strongest evidence
28 behind them for evaluation.

29 Also, as part of the certification
30 process for programs through AACVPR, these are
31 the type of data that is collected by our
32 certified pulmonary rehab centers that provide

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1 that information.

2 Finally, to address usability,
3 there are plans in developing a pulmonary
4 rehabilitation registry that is currently
5 being started. We have already begun work and
6 have our cardiac rehabilitation registry ready
7 to be up and running. We are also now doing,
8 as Larry mentioned, the bookend for pulmonary
9 rehab.

10 So neither of these instruments we
11 consider to be tested. So we just wanted to
12 clarify that measure for you.

13 MS. PACE: Neither of the measures
14 or the instruments?

15 DR. BAULDOFF: Neither of the
16 measures. All the instruments have both been
17 very well-tested and very well-validated.

18 DR. NEFF: So using this as an
19 endpoint for rehab has not been --

20 DR. BAULDOFF: It has been
21 described in the literature, but I guess that
22 I am uncertain as to what you would call
23 tested. There is lots of literature to say
24 both of these, we are able to show these
25 improvements in both of these across multiple
26 studies. However, in this format, it has not
27 been tested yet.

28 CHAIR YAWN: I know that is a very
29 difficult thing to say, has it been tested or
30 not? Because I know this is an outcome of
31 many of the studies which are used to give the
32 evidence behind recommending pulmonary rehab.

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1 DR. BAULDOFF: So would you
2 consider these measures to be tested?

3 MS. WINKLER: I think that is the
4 guidance from you all.

5 CHAIR YAWN: Yes. As we go through
6 the criteria and look, I think we will have to
7 decide whether we think they have been.
8 Sometimes something has been tested 40 times;
9 it has just never been called "apple pie"
10 before. So that is maybe what we are
11 deciding, and other things we don't even know
12 what apples are. So we will have to decide
13 that.

14 But thank you for being as
15 conservative as possible in your definitions.
16 We appreciate that. We may be less
17 conservative or more conservative. Who knows?
18 We'll see.

19 All right.

20 MS. FORMAN: Do you want to get
21 started --

22 CHAIR YAWN: Sure.

23 MS. FORMAN: -- with our first one?

24 CHAIR YAWN: I think it is time.

25 MS. WINKLER: Who are the two
26 reviewers for 019?

27 MS. FORMAN: For 19, we are going
28 to start with Lewis, and I have his because he
29 is out of the country. So his evaluation is
30 posted. And Dr. Millard.

31 DR. MILLARD: All right, and this
32 is for HLQR --

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1 CHAIR YAWN: Okay. Well, now you
2 just threw me a curve.

3 MS. FORMAN: It is health-related
4 quality of life in COPD patients before and
5 after pulmonary rehab.

6 DR. MILLARD: Right. You know,
7 what is interesting is that, when I looked
8 through all the current NQF-endorsed pulmonary
9 and respiratory stuff, this is almost putting
10 the cart before the horse, which is nothing to
11 say because I think AACVPR, our group, just
12 got certified again by the program. So we
13 like it.

14 (Laughter.)

15 But there is no guideline that says
16 when pulmonary rehab should be used. In many
17 ways, if you want to -- I mean the leading
18 question of importance is, when should
19 pulmonary rehab be utilized? Because that is
20 really more important in the long run in terms
21 of health outcomes than whether or not we use
22 the six-minute walk, constant low endurance,
23 SGRQ, CRQ, whatever.

24 So I would add that as an initial
25 sort of statement. I really think the most
26 important issue is the initiation point of
27 rehab because that will change, alter the
28 equation of outcomes. Because if you don't
29 get into pulmonary rehab, it doesn't matter
30 what happens to either quality of life or
31 exercise tolerance.

32 MS. PACE: Unfortunately, this

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1 project was focused on the outcomes.

2 DR. MILLARD: But I think that
3 should be said upfront because that is
4 really --

5 MS. PACE: Sure.

6 CHAIR YAWN: So that would be a
7 processing issue, actually.

8 MS. PACE: Right.

9 CHAIR YAWN: For COPD. The number
10 of people at each stage initiating pulmonary
11 rehab, but that is a process measurement, and
12 we are now trying to --

13 DR. MILLARD: Yes, but I mean to
14 reduce potential avoidable comp PSEs will be,
15 pulmonary rehab will be one of the tools.

16 CHAIR YAWN: Yes.

17 MS. WINKLER: As you make all of
18 these comments, there are places for us to
19 capture that and put that in. So we can say
20 this is great, but the most important thing is
21 the selection criteria, who goes into
22 pulmonary rehab.

23 DR. MILLARD: Right, and I just
24 needed to say that.

25 MS. WINKLER: Got it.

26 DR. MILLARD: Now you all need to
27 guide through the sort of format of this
28 process. I have not used that syntax before.

29 So we go to first --

30 CHAIR YAWN: To the importance of
31 the measure and the report.

32 DR. MILLARD: Yes, the percentage

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1 of patients enrolled in pulmonary rehab who
2 are found to increase health-related quality
3 of life. I mean that is an interesting
4 outcome because that requires, that I think
5 assumes that pulmonary rehab is going to
6 increase the quality-of-life score in a
7 certain percent of people.

8 We know that, in general, it does.

9 I just don't know what the standard
10 deviations are in terms of what percent of
11 people actually -- I mean, in our program, we
12 use SGRQ, the average increase is eight
13 points, which would correlate with a 1 point
14 CRQ score, which is what the guidelines note.

15 But I don't know what the confidence limits
16 are to saying, okay, we are going to specify a
17 percent.

18 CHAIR YAWN: So you think that this
19 measure should have a percent attached to it?

20 DR. MILLARD: No, I don't. I
21 don't, no.

22 CHAIR YAWN: Okay.

23 DR. MILLARD: But, in fact, it has
24 one. It says the description is the percent.

25 CHAIR YAWN: Correct, but it
26 doesn't say 50 percent, 75 percent, 3 percent.

27 DR. MILLARD: But we are going to
28 base quality on what the percent of -- are we
29 setting a quality score at some point and
30 saying, well, if you don't have "X" percent of
31 people, then you have not reached your goal?

32 MS. PACE: So one of the things we

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1 probably need to do is we really need to kind
2 of go through these criteria, and that will be
3 kind of a measure construction issue. So the
4 first question about this is measuring the
5 outcome of health-related quality of life in
6 COPD patients.

7 So the first question we would like
8 you to look at is, does this meet our criteria
9 for importance to measure and report?

10 DR. MILLARD: Yes, right. The
11 answer is yes, but I would say partial because
12 I think my own bias is -- and I am not sure
13 that CRQ has been shown to be superior to
14 SGRQ -- this SGRQ central respiratory
15 questionnaire, and in the pulmonary rehab
16 world I always understood most pulmonary rehab
17 programs actually use the Saint George's
18 Respiratory Questionnaire and not CRQ.

19 DR. BAULDOFF: Actually, that is
20 not true. The reason I say that is that the
21 SGRQ is so difficult to score and interpret.
22 It requires extra programming, and CRQ is much
23 more straightforward in its utilization.

24 Actually, out in the clinical
25 programs, most programs probably use the
26 SF-36, but that is generic --

27 DR. MILLARD: Well, yes, but we
28 gave that up.

29 DR. BAULDOFF: And the other issue
30 with the SGRQ is that, when pulmonary rehab is
31 being measured over a three-month period, the
32 SGRQ truly was originally designed by Dr.

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1 Jones to measure changes over a full-year
2 period. And it has been found in other
3 studies not to be quite as sensitive. So that
4 was why we went with CRQ.

5 DR. MILLARD: It wasn't sensitive
6 when it was sent home with the patients at
7 home, as opposed to when it was at the site.

8 And the CRQ requires -- there are
9 different methodological ones. My only point
10 would be I think that I would like to equalize
11 the syntax between SGRQ and CRQ.

12 DR. O'CONNOR: What percentage of
13 your rehab programs use these two instruments,
14 would you say? I mean because that is an
15 important consideration. If you have got a
16 significant proportion of your certified
17 programs not using the measure that you
18 propose, there is going to be some
19 difficulties.

20 DR. HAMM: I think there's two ways
21 to look at that question. One is that, if we
22 are dealing primarily with certified programs,
23 that requirement can be put into the
24 certification requirements and, in a sense,
25 sort of push the issue to help increase the
26 data collection.

27 The actual percentage of programs
28 that use the questionnaire, I don't have that
29 number, either.

30 DR. NEFF: But, in a way, you could
31 almost say, if the goal here is the monitoring
32 of this in pulmonary rehab, that you could

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1 almost allow, if you think there's some
2 equivalence, either/or, I mean to some extent,
3 I mean that would be another way to swing
4 this. If you think it is okay, then focus on
5 that goal.

6 CHAIR YAWN: You have to have a
7 validated measure.

8 DR. NEFF: Right, but --

9 DR. MILLARD: Both of them are.

10 CHAIR YAWN: I know they are, but
11 that is what I am saying. If you have two
12 equally-validated measures, then you can say
13 either/or as opposed to SF-36, which none of
14 us would say is a validated measure for this.

15 MS. PACE: Right, but the issue
16 here is this is a measure of outcome, meaning
17 looking at the change in scores.

18 CHAIR YAWN: Right.

19 MS. PACE: So, in order to
20 construct this measure that you could use any
21 validated instrument, you would first have to
22 show that this change in scores that you would
23 get by using any of those are similar. I mean
24 we are talking about measurement here, so it
25 has to be standardized.

26 So, as soon as you start saying you
27 can do this or you can do that, you are
28 getting away from a standardized measure,
29 unless you can prove equivalency.

30 CHAIR YAWN: But they have both
31 been used in the studies that show improvement
32 and have been calibrated in this particular

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1 case.

2 MS. PACE: So the two instruments
3 you can --

4 CHAIR YAWN: You can use those two,
5 I believe.

6 DR. MILLARD: You can almost do the
7 slash. If you say, "CRQ/SGRQ", then you are
8 going to include --

9 CHAIR YAWN: In this particular
10 situation, I think that is true.

11 DR. BAULDOFF: And in fact, the
12 SGRQ was the health-related quality-of-life
13 instrument that was used in the National
14 Emphysema Treatment Trial. So that has been
15 the largest study in which there has been
16 randomization for surgery, but in which
17 pulmonary rehab was used.

18 MS. PACE: But, also, just to back
19 up, that is getting into the specifics of the
20 measure. So, under importance, what we want
21 to know is, you know, is this a high impact
22 area? Is there a performance gap in terms of
23 patients achieving health-related quality of
24 life, and the evidence that this can be
25 impacted?

26 Certainly, it is an outcome measure
27 which is something that we are interested in.

28 Is it relevant to this particular patient
29 population? And hopefully, there's some
30 things that can actually influence that.

31 So those are your kind of first set
32 of questions. Then we get into the

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1 reliability and validity of the instruments.

2 CHAIR YAWN: So I think that is
3 what we do. Let's go way back to the
4 beginning. Can you tell us your strengths and
5 weaknesses that you developed under this very
6 first question of importance, please? Did you
7 list strengths and weaknesses?

8 DR. MILLARD: The strength is that
9 both the quality-of-life measurements are
10 well-validated in the literature of pulmonary
11 rehabilitation. The weakness is that the
12 definition of pulmonary rehabilitation is not
13 uniformly assumed.

14 CHAIR YAWN: Okay. Although there
15 are guidelines specifically for it.

16 DR. MILLARD: There are, but we
17 don't have any -- I mean we are assuming the
18 guidelines. Do you see what I mean?

19 CHAIR YAWN: Uh-hum.

20 DR. MILLARD: In other words, we
21 are assuming that we all agree on what
22 pulmonary rehab is, and we haven't, but --

23 CHAIR YAWN: Okay. So it is way
24 back to the beginning of --

25 DR. MILLARD: Yes.

26 CHAIR YAWN: -- the importance of
27 pulmonary rehab, as you said, has not been
28 widely available, but will be more widely
29 available, and we are not entirely sure that
30 we have a definition that is universally
31 accepted of what it is that is mainly of
32 importance. Okay?

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1 DR. MILLARD: Although the new
2 guidelines, I mean CMS finally deciding, well,
3 Congress deciding to fund pulmonary rehab,
4 that is now -- the new, what look it is, is
5 out. It was published and it will be in --

6 CHAIR YAWN: Yes.

7 DR. HAMM: I would just quickly add
8 that CMS has now completed their announcement
9 of final rules for what is going to be paid
10 for.

11 CHAIR YAWN: Right.

12 DR. HAMM: Which is going to drive
13 program models.

14 CHAIR YAWN: Right. Okay. So you
15 are saying that you believe this has high
16 importance potentially?

17 DR. HAMM: Yes.

18 CHAIR YAWN: And then health-
19 related quality of life is a very important
20 outcome to patients?

21 DR. HAMM: Absolutely.

22 CHAIR YAWN: Okay. And is one
23 worth assessing for improving quality of care,
24 as to whether or not we improve the patient's
25 quality of life?

26 DR. HAMM: Yes.

27 CHAIR YAWN: Okay. Is that sort of
28 a summary, then, under importance? And you
29 said it meant partially -- were you the
30 secondary reviewer, Margaret?

31 DR. NEFF: No, not on this one.

32 MS. FORMAN: No. It was Dr. Lewis.

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1 CHAIR YAWN: Oh, this is, I'm
2 sorry, Dr. Lewis.

3 MS. FORMAN: What I have on this
4 screen is his review. For high impact,
5 ensuring a high impact of healthcare, for la,
6 he said completely.

7 CHAIR YAWN: Okay. Did he give us
8 strengths and weaknesses?

9 MS. FORMAN: Yes.

10 CHAIR YAWN: Okay. Could we look
11 at those?

12 MS. PACE: What do we do for the
13 other criteria? Just running through the --

14 CHAIR YAWN: I mean this is all
15 what the staff did. So I want to see what --

16 MS. FORMAN: No. No.

17 CHAIR YAWN: Oh, I'm sorry.

18 MS. FORMAN: That is the reviewer.

19 MS. PACE: No, staff hasn't done
20 evaluation.

21 CHAIR YAWN: No, I'm sorry. You
22 are absolutely correct. I just wanted to see
23 what he gave us.

24 MS. FORMAN: So he has got "C",
25 again, completely, for opportunity for
26 improvement, demonstrating a performance gap.

27 CHAIR YAWN: Okay.

28 MS. FORMAN: Then evidence to
29 support, he also has "C".

30 CHAIR YAWN: Okay.

31 MS. PACE: And he had a comment?

32 MS. FORMAN: Yes, down at the

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1 bottom.

2 CHAIR YAWN: Yes, that is what I am
3 really interested in, is his comments.

4 Okay, so here are his comments, the
5 strengths: "These new requirements include
6 provisions for number of sessions, required
7 elements directing physician supervision, and
8 other components."

9 So he is saying he believes that
10 CMS's new criteria will help define what
11 pulmonary rehab is, at a minimum, anyway.
12 Okay.

13 "Clearly have major impact on a
14 large segment of the pulmonary disease
15 population. Known therapeutic performance
16 gaps will be impacted. Compelling high-grade
17 evidence to support the benefits of well-
18 designed and performed rehab programs."

19 The weaknesses: "Likely to be a
20 limited number of programs that could help
21 close this performance gap." And I am reading
22 this because I think it might be hard way back
23 there in the back.

24 "Cost of implementation is really
25 unknown at this point. So, even though CMS
26 has reimbursement plans, we all know it won't
27 be for everyone."

28 "Logistics. In terms of
29 requirements for greater physician
30 involvement, which is a good measure, but may
31 deter new program development."

32 So he has some concerns about --

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1 that is really the requirement of CMS. That
2 is not your requirement in the measurement.
3 It is not a specification of the measurement.

4 DR. NEFF: But I guess by us saying
5 that we concur --

6 CHAIR YAWN: Yes.

7 DR. NEFF: -- those are valuable
8 things to have in terms of assessing pulmonary
9 rehab. It would lend weight to that or not,
10 if we said, oh, we don't care. Throw in a
11 better program to do. Do you know what I
12 mean? We are sort of buffering up what CMS is
13 saying, actually.

14 CHAIR YAWN: So we are saying that
15 we are accepting CMS's definition?

16 DR. NEFF: Yes. On our own terms.

17 DR. MILLARD: The problem is
18 accepting CMS reimbursement.

19 (Laughter.)

20 Ironically, CMS has, in a wonderful
21 review of pulmonary rehab and the
22 effectiveness of it, two years ago, two or
23 three years ago, they said there's no question
24 that pulmonary rehab is an effective
25 intervention; it is just not a covered
26 benefit. So Congress, finally, when somebody
27 wasn't looking, passed it.

28 CHAIR YAWN: All right.

29 DR. HAMM: No, no, a lot of hard
30 work.

31 (Laughter.)

32 CHAIR YAWN: So we have someone

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1 saying, one reviewer saying complete and one
2 reviewer saying partial for the importance.
3 Should we go on --

4 DR. MILLARD: Mine is complete.

5 CHAIR YAWN: Okay.

6 DR. MILLARD: My only partial had
7 to do with the consideration of using only CRQ
8 or the emphasis on CRQ.

9 CHAIR YAWN: Okay.

10 DR. NEFF: And would those sort of
11 concerns, actually, just in terms of this
12 process and structure, be more in the
13 scientific, in the second set, since we are
14 going to have --

15 CHAIR YAWN: So the importance is
16 really complete, and we agree --

17 DR. MILLARD: We are all in
18 agreement.

19 CHAIR YAWN: Okay.

20 DR. MILLARD: Although the one
21 thing, the opportunity for improvement, the
22 citations for data on performance gap, at
23 least that first one, co-morbidity and
24 mortality, COPD-related hospitalizations,
25 there is no discussion of performance gap in
26 that reference.

27 I am not sure that there is the
28 literature on performance gaps in pulmonary
29 rehab. I mean it is to be determined because,
30 historically, it was such a hot sort of
31 scattergun of who could get pulmonary rehab,
32 that we have no way of knowing what the

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1 previous performance gaps were.

2 CHAIR YAWN: Well, except I thought
3 the performance gap was really sort of between
4 people who didn't get any and people who got
5 some or got not some, who got it and who
6 didn't get it.

7 DR. MILLARD: It was all driven by
8 whether or not CMS reimbursed in the LMRP or
9 not.

10 CHAIR YAWN: Well, except the
11 randomized control trials were not on that.

12 DR. MILLARD: Right.

13 MS. PACE: But this is about
14 patients in pulmonary rehab.

15 CHAIR YAWN: Yes.

16 MS. PACE: So is there a
17 performance gap in --

18 DR. MILLARD: We have no way of
19 knowing.

20 MS. PACE: So this really would not
21 be "completely", for this particular lb then,
22 because there is no data that was provided,
23 right? Or are you aware of any data that
24 there is variability in achievement of --

25 CHAIR YAWN: We do not know, yes, I
26 agree, because nobody did a randomized control
27 of halfway-done pulmonary rehab. So it is a
28 little hard to do that one. Okay.

29 DR. O'CONNOR: I think, from your
30 viewpoint, the performance gap is all or none.

31 DR. MILLARD: Yes. Referral and
32 completion.

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1 DR. O'CONNOR: Yes.

2 MS. PACE: Is that what this is
3 measuring? Because this is measuring those in
4 it.

5 DR. MILLARD: Exactly.

6 MS. PACE: So it is not that
7 question.

8 DR. NEFF: So that is the question.
9 Should this measure of improved health-
10 related quality of life be restricted to those
11 getting into pulmonary rehab or should it be
12 for all pulmonary patients? I am just asking.
13 It is not my field.

14 CHAIR YAWN: Not all pulmonary
15 patients. All patient --

16 DR. NEFF: I mean the COPD
17 patients.

18 CHAIR YAWN: All COPD patients of a
19 certain stage is who should be the comparator
20 group, is what I think people are asking.

21 DR. NEFF: Right.

22 CHAIR YAWN: Do we compare people
23 only in pulmonary rehab and say this is a good
24 pulmonary rehab program because 90 percent of
25 their patients achieve this improvement in
26 quality of life versus this pulmonary rehab
27 program where only 30 percent do, or is it
28 this is a 90 percent improvement, and when
29 they don't get anything, 3 percent
30 improvement?

31 So that is the question, is: can
32 this become a broader measure than actually

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1 what you have said? Could it include patients
2 in pulmonary rehabs, to say something about
3 the different kinds of pulmonary rehab and
4 something about not getting it at all? But
5 that is not what you proposed.

6 MS. WINKLER: I was going to say
7 that sounds like a different measure.

8 CHAIR YAWN: Yes.

9 MS. WINKLER: Maybe a desirable
10 one, but a different one.

11 CHAIR YAWN: But a different one.
12 So that might be a gap for the future.

13 DR. NEFF: Well, because you guys
14 have already sort of bought into the concept
15 that pulmonary rehab is a value for these
16 people. Then it is a matter of tracking how
17 well the program works in terms of outcomes.

18 So you've bought Part A. Then you
19 wouldn't be looking at it in Part B. So you
20 would have to restructure the whole shooting
21 match.

22 DR. HAMM: Well, it is sort of
23 interesting because what you are talking about
24 right now, basically, referral, too, I mean
25 that is the denominator, is all that
26 population out there. Then the numerator
27 becomes those people who get referred and
28 participate.

29 DR. NEFF: Yes.

30 DR. HAMM: That is exactly where we
31 went with the cardiac side of things,
32 referrals from inpatient hospital programs as

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1 well as outpatient physician offices.

2 As you can imagine, there are quite
3 a few pitfalls around trying to get that
4 denominator. But, yet, with cardiac, there is
5 that acute event usually; whereas, with
6 pulmonary there isn't.

7 CHAIR YAWN: All right, but let's
8 take a step back. Now we are saying, is this
9 measure important to look at for people who at
10 least are referred or begin pulmonary rehab?
11 That is the only group we are now discussing.
12 Is this an important measure?

13 DR. MILLARD: Again, not referred.

14 CHAIR YAWN: Again, that is fine.
15 That is fine.

16 MS. PACE: In a rehab program.

17 DR. MILLARD: Yes, that you are in
18 it. If you are referred --

19 CHAIR YAWN: Yes, that is fine.
20 I'm sorry. People who are in pulmonary rehab,
21 is this a valuable measure for everyone in
22 pulmonary rehab? Does this meet the complete
23 importance?

24 DR. MILLARD: Yes, but there are --
25 these citations do not really support that
26 there is a performance gap. There has been
27 very little work around that.

28 CHAIR YAWN: Right.

29 MS. PACE: So there is really no
30 information about performance gaps?

31 DR. MILLARD: There is limited
32 information.

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1 CHAIR YAWN: So we believe this
2 will provide a lot of potentially useful
3 information, but we can't be sure. Okay. So
4 that is why you might have said partial
5 instead of complete, just because --

6 DR. MILLARD: Yes, on that, yes.

7 CHAIR YAWN: -- we truly believe,
8 but we don't have a lot of evidence out there.
9 Okay.

10 Let's go on next to the second
11 measure, which is --

12 MS. WINKLER: Section.

13 CHAIR YAWN: Yes, section, that is
14 what I meant, the scientific part. I'm sorry.
15 We are having trouble with words today. I am
16 having trouble with words today.

17 So the scientific?

18 DR. MILLARD: The scientific part
19 is, again, now the numerator and denominator
20 is the first one.

21 MS. PACE: Right.

22 DR. MILLARD: Is that the first
23 issue?

24 MS. PACE: Exactly.

25 CHAIR YAWN: Yes.

26 MS. PACE: The specifications,
27 which is quite long, but yes.

28 DR. MILLARD: And I think that,
29 again, my concern primarily was CRQ versus
30 SGRQ, that we needed to broaden that to
31 include both CRQ -- and I am much more
32 familiar with SGRQ than CRQ because we were in

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1 that trial rehab center. So we did lots of
2 SGRQs and had to decide what to do, and chose,
3 actually, the SGRQ over the CRQs because it
4 was, my staff said, easier.

5 CHAIR YAWN: Your staff would be
6 among some of few, I believe. From a primary
7 care perspective, we would never choose --

8 DR. MILLARD: SGRQ?

9 CHAIR YAWN: No.

10 DR. NEFF: But it sort of factors
11 into that sort of feasibility issue --

12 DR. MILLARD: Yes.

13 DR. NEFF: -- that you allow --

14 CHAIR YAWN: Yes, but you can
15 expand this numerator to say one point on the
16 CRQ or I thought it was five on the SGRQ, but
17 you are saying it is --

18 DR. MILLARD: Well, .5 on the CRQ
19 is the minimum clinical difference.

20 CHAIR YAWN: Right.

21 DR. MILLARD: In terms of the
22 numerator, I would like to see, define a
23 positive improvement as .5, not as 1, simply
24 because I would like to define it as the
25 minimum.

26 CHAIR YAWN: We can't really change
27 measures that way. We have to accept what
28 they are suggesting when we rate it. I mean
29 you can't change some of these measures --

30 MS. PACE: Right. I mean I think
31 that there is certainly room for discussion
32 around that, but this should relate to what is

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1 the evidence that it should be one or the
2 other.

3 DR. NEFF: Well, but wouldn't we be
4 in our ultimate recommendation saying this is
5 what we don't -- we don't accept it like this,
6 but would like this? I mean, wouldn't that be
7 basically providing the feedback --

8 MS. WINKLER: Yes.

9 DR. NEFF: -- and then they kind of
10 know what path they are on?

11 MS. WINKLER: Right. Exactly.

12 CHAIR YAWN: So you are suggesting
13 that you would like to see it, rather than
14 saying 1.0, say the determined clinically-
15 minimal difference?

16 DR. MILLARD: Yes.

17 CHAIR YAWN: Because that isn't,
18 then, specific to any one of them, to either
19 of the two --

20 DR. O'CONNOR: Right.

21 CHAIR YAWN: -- validated measures.

22 DR. O'CONNOR: I am not sure if
23 this is the right point for this question.
24 How easy is it going to be to collect data in
25 terms of electronic retrieval?

26 CHAIR YAWN: I think we need to
27 wait for the feasibility phase, if you
28 wouldn't mind.

29 DR. O'CONNOR: Feasibility? Sure.

30 CHAIR YAWN: Okay?

31 DR. MILLARD: And the numerator is
32 just the number who participated in the PR and

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1 found an increased healthcare quality-of-life
2 score by the minimum significant clinical
3 difference, as being an end of PR, regardless
4 of --

5 CHAIR YAWN: Well, it says the time
6 period should be no more than three months.

7 DR. MILLARD: Right.

8 CHAIR YAWN: And we know that those
9 scales can measure change within three months.

10 DR. MILLARD: Yes.

11 CHAIR YAWN: So we are okay with
12 that? All right.

13 DR. MILLARD: Numerator details I
14 guess would be with just the CRQ?

15 CHAIR YAWN: Which can be expanded
16 to add the SGRQ for the same way.

17 DR. MILLARD: The denominator
18 statement: all patients with COPD during the
19 reporting period who are enrolled in a PR
20 program. So, again, I think that is enrolled,
21 not referred to, which is different from what
22 you have done in cardiac rehab, is that
23 correct?

24 DR. HAMM: Yes, that is correct.

25 DR. MILLARD: Then I agree.

26 Now the next target population
27 range, and this also relates to harmonization
28 later on down the road, is persons greater
29 than 20 years of age. This pops up, several
30 different parts, on all the COPD processes.
31 Most guidelines talk about 40 and above or
32 above 40, and this is 20. There is no one

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1 that is greater than 18, I think, on the PAC
2 reduction.

3 So there needs to be a uniform
4 age --

5 DR. NEFF: Harmonization.

6 DR. MILLARD: Yes, target
7 population range harmonization.

8 CHAIR YAWN: Well, and it needs to
9 be clinically-relevant. I think if we started
10 telling most physicians we are going to look
11 at COPD pulmonary you have at age 20, they
12 would probably think we might have lost out
13 minds.

14 DR. NEFF: And I guess you could
15 have different age cutoffs with different
16 allowances for chronic diseases that are in
17 young adults.

18 CHAIR YAWN: Yes, but that is going
19 to be risk adjustment, I think.

20 DR. NEFF: Yes. What was the
21 rationale for the 20 --

22 DR. BAULDOFF: The rationale for
23 such a low entry age was to be able to include
24 those patients who have very early onset. I
25 appreciate it is 1 percent probably of the
26 population.

27 CHAIR YAWN: But having early onset
28 COPD --

29 DR. BAULDOFF: Right.

30 CHAIR YAWN: -- it is even less
31 than 1 percent.

32 DR. BAULDOFF: I can tell you

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1 clinically that I have had patients over 26
2 years old --

3 CHAIR YAWN: Oh, of course, yes.

4 DR. BAULDOFF: -- in my rehab
5 program.

6 CHAIR YAWN: I understand that, but
7 aren't they kind of the exception perhaps?

8 DR. BAULDOFF: Yes, they are the
9 zebra, yes.

10 CHAIR YAWN: Obviously, as a
11 primary care physician, I am looking for
12 horses.

13 DR. O'CONNOR: Have these
14 instruments been tested in alpha 1 antitrypsin
15 deficiency?

16 DR. BAULDOFF: I believe they -- I
17 don't have the literature in front of me.

18 DR. MILLARD: I think for the
19 greater purpose of harmonization, I would say
20 40 and above. That would be my
21 recommendation. And you will capture 95, you
22 will --

23 CHAIR YAWN: Oh, you will be much
24 more than 95, I suspect.

25 DR. NEFF: And what is the process
26 for allowing for case-by-case exception? I
27 mean I know you brought up the whole exception
28 issue, but if this were an adopted guideline,
29 and then recognizing that there would be some
30 legitimate fallout, you know, sort of misses
31 where we are setting the bar, is going to miss
32 some people that would legitimately, just kind

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1 of do that or --

2 MS. WINKLER: Remember that these
3 are measures of performance of the facility.
4 You are not talking about taking care of every
5 single patient.

6 So, if, indeed, it is the
7 exception, how will that really impact the
8 overall assessment of quality of care provided
9 by that facility if they are not included?

10 DR. NEFF: Right. I guess you sort
11 of feel the weight of any sort of guideline
12 recommendation because you know how easily
13 they get adopted as gospel, right, which then
14 can exclude people that you really wouldn't
15 care to exclude, because you wouldn't mind if
16 they were in the mix. But I don't know where
17 we are --

18 MS. PACE: And these really are not
19 guidelines. They are measures. So the
20 guidelines are developed by the clinical
21 specialty group.

22 DR. NEFF: But isn't one of the
23 strategic goals that these become, you know,
24 essentially, looked to as --

25 MS. PACE: Well, they are what we
26 call consensus standards for measuring
27 quality, right. Right.

28 CHAIR YAWN: But, I mean, do you
29 have any reason -- I will turn it around the
30 other way. Do you have any reason to believe
31 that, if we only measure 40 and above, this
32 will negatively impact the quality provided to

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1 people 20 to 39?

2 DR. NEFF: If people really
3 consider these just measures and sort of
4 recommendations, no. I think that the risk is
5 how things get applied.

6 CHAIR YAWN: Yes, but I don't think
7 that we can, again, go out for all exceptions
8 in the world. I mean Medicare is not covering
9 the patients 20 to 39 already.

10 MS. PACE: So I guess to maybe put
11 your question another way, what is the risk of
12 including the broadest population?

13 CHAIR YAWN: I think there is a big
14 risk of including the 20 to 39. They are
15 quite different than people age 40 or 60 and
16 over. I think that, if you had a large number
17 of them, which some sites might, they could
18 adversely affect your outcomes.

19 DR. NEFF: For the site?

20 CHAIR YAWN: For the site; that is
21 what I am concerned about. But there may be
22 so few that they will never be a statistical
23 even blip on anybody's radar. It is face
24 validity, too, though. For most physicians,
25 they look at that at 20 and they say, what are
26 you thinking? And nurses and everybody else.
27 I am not picking on --

28 DR. MILLARD: I think if we set 40,
29 then we are consistent with other --

30 CHAIR YAWN: It also becomes quite
31 difficult sometimes to tell asthma from COPD,
32 and somebody who is 28 and has severe

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1 asthma --

2 DR. MILLARD: Okay. So, now, the
3 denominator details, one of the questions is
4 PR program entering completion who have
5 completed at least 10 PR sessions within a
6 three-month period, 90-day period. Is that
7 CMS language? Is that what their definition
8 is? What do they define?

9 DR. BAULDOFF: No.

10 DR. HAMM: No, it is not CMS
11 language.

12 DR. MILLARD: What have they used
13 as the minimum? Because I really think we
14 need to be consistent, parallel with what
15 CMS --

16 MS. PACE: What does the evidence
17 show of pulmonary -- and is that how the
18 CMS --

19 DR. MILLARD: I am not sure how
20 that 10 PR within three months got there.

21 DR. BAULDOFF: I believe the 10
22 came out of the interim rule that relates to
23 lung volume reduction surgery, that they had a
24 specific number of sessions that were required
25 prior to lung volume reduction surgery, to be
26 able to indicate some kind of change. That
27 certainly could be modified to the current CMS
28 language.

29 DR. HAMM: These were written
30 before those rules were published.

31 DR. BAULDOFF: Yes, before they
32 came out.

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1 CHAIR YAWN: I guess I have a
2 question about this. Suppose you have a
3 program that nobody ever completes more than
4 three? Because your program is just
5 impossible to get to; it is not interesting;
6 it is not anything. I don't understand why
7 you have to have completed the 10 sessions,
8 because I think adherence is the biggest
9 problem we have across all of healthcare, and
10 this ignores the adherence issue entirely.

11 So my take would be, and I know
12 this changes when they change the
13 specification, anybody who starts and attends
14 one session is in.

15 DR. MILLARD: But you may not get
16 post-program data. If they drop out, you
17 don't know.

18 CHAIR YAWN: Well, but you can say
19 that you have that many you have no -- a lot
20 of these people on the telephone give you
21 that. I think you should at least try to
22 follow up with everybody who starts.

23 DR. NEFF: Do we think there would
24 be a minimum set, though, that you would need
25 to have exposure to, to then see a benefit in
26 these health-related quality measures? I
27 mean, would you actually envision that one
28 session would then change your CRQ or SGRQ?

29 CHAIR YAWN: Absolutely not.

30 DR. NEFF: Right.

31 CHAIR YAWN: I would not anticipate
32 it, but it says to the program there's a

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1 problem here because you have so many people
2 dropping out that you don't get this
3 improvement. So, again, it is measuring the
4 quality of the program, not quality of
5 completion of the program. That is different.

6 Which one do we want? I mean we
7 can say we are looking for the quality of the
8 program, if you complete the program, or from
9 primary care, it is always if you start the
10 program.

11 DR. NEFF: Yes. No, that is fair.

12 CHAIR YAWN: Well, I mean I don't
13 know if it is fair. I am just asking.

14 DR. NEFF: No, no, no. I mean it
15 should reflect the whole program, which would
16 include your ability to hang onto people,
17 follow them up. I mean the whole real deal.
18 I mean that, I think, is what you are getting
19 at, rather than just say we are going to look
20 at you if you finish the whole shooting match.

21 MS. PACE: Because you are
22 narrowing and narrowing and narrowing what you
23 are measuring here.

24 CHAIR YAWN: Yes, because the rate
25 of completion is not anywhere close to 100
26 percent.

27 DR. HAMM: Absolutely not. But I
28 would just sort of respectfully suggest that,
29 as probably a program outcome, in terms of how
30 your adherence is, as opposed to a quality-of-
31 life outcome that is patient-centered --

32 MS. WINKLER: Right. A different

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1 measure is what you are saying?

2 DR. HAMM: I believe it is, yes.

3 MS. WINKLER: But maybe a desirable
4 one.

5 DR. HAMM: Oh, absolutely. I am
6 thinking of probably 20 that would be --

7 CHAIR YAWN: I am going to
8 respectfully disagree. I think that is a
9 patient quality-of-life outcome measure. If
10 they start the program, they don't complete
11 it, their quality of life is not improved one
12 iota, or maybe it has improved greatly. I
13 don't know. I do still think it is a patient
14 outcome measure because, if we start ignoring
15 adherence, when we talk about outcome
16 measures, I am really concerned about we are
17 going to be measuring the outcome in this
18 tiny, little group of people.

19 But this is a group, and I am going
20 to be willing to listen to everybody. Don't
21 let me drive it. I am just asking difficult
22 questions.

23 DR. MILLARD: You almost would like
24 two different denominators, which just makes
25 it too complex. One is people who complete
26 the program. One is people who enter but
27 don't complete.

28 In our experience, we enroll about
29 10 patients in pulmonary rehab every six
30 weeks, six to eight. I mean it is a six-week
31 program, and they let 10 come in. So we will
32 lose, routinely, two or three of them.

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1 CHAIR YAWN: Yes, I would expect
2 you to lose 30 percent minimum.

3 DR. MILLARD: And usually, the
4 reasons are either they get sick or life
5 happens. So that would significantly impact
6 the data if you didn't have a -- one of the
7 reasons to put it down to the minimum clinical
8 significance, as opposed to a higher one, is
9 to allow it.

10 But I think these are not fixed in
11 stone. I think if you say the denominator is
12 people who enter the pulmonary program, you
13 have built in drive to adherence. If in
14 retrospective review you find that that
15 denominator is too big a denominator, then
16 that can always be modified.

17 DR. NEFF: And you can build that
18 language probably into this measure even now,
19 where you are actually trying to look at the
20 overall program's effectiveness, but then,
21 also, the specific health-related quality of
22 life among the completers. I mean because it
23 is a different question. I mean both are
24 true, but you don't want to lose one for the
25 other.

26 CHAIR YAWN: That it affects -- it
27 goes back to my level of importance. If it is
28 only measuring completers, I think it is a
29 less important measure than if it measures all
30 beginners, all people who initially --

31 DR. MILLARD: So you would take out
32 the entire 10 sessions in three months? You

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1 would say --

2 CHAIR YAWN: No, it is fine to have
3 both. I mean that is fine. I am just saying
4 the measure as proposed, that is what we have
5 to keep looking at. It is the measure as
6 proposed. This, to me, then, says there is a
7 gap in this measure. We can talk about gaps
8 later.

9 MS. PACE: Because I think what you
10 are suggesting is, regardless of the program,
11 if the people complete, they are probably
12 going to have this improvement in health?

13 CHAIR YAWN: Well, no. It is just
14 that, if you don't complete the program, you
15 will have very little chance of having any
16 benefit from the program.

17 MS. PACE: Right, right. But I
18 mean, will there be any variability across
19 programs?

20 CHAIR YAWN: Yes, there will.

21 MS. PACE: For the completers? If
22 you only measure the completers?

23 CHAIR YAWN: Yes, there will, I
24 believe.

25 DR. MILLARD: If you measure the
26 completers, they will have a much higher
27 quality of life than if you measure those
28 who --

29 DR. O'CONNOR: But what I think
30 Karen asked, if you look at people who
31 complete in Dallas versus the people who
32 complete in Seattle or Rochester or New York

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1 or New Haven or something --

2 CHAIR YAWN: Yes, but the ones that
3 complete in Podunk, Louisiana -- well, Podunk,
4 Minnesota, we'll say; I'll pick on Minnesota
5 -- may have different rates of improvement in
6 quality of life than the ones who improved in
7 Rochester. It may be higher.

8 MS. PACE: Yes, that was my
9 question.

10 CHAIR YAWN: Yes, yes.

11 Okay. So we have said that you
12 think this is acceptable, but the gap is that
13 we are not doing anything about non-
14 completers. We are not looking at adherence
15 in this measure.

16 DR. MILLARD: And under strength
17 and weakness, that would be weakness.

18 CHAIR YAWN: Okay, thank you.

19 The first one always takes a long
20 time, and I apologize because we have to think
21 through all of these things in context.

22 Okay. Do you have other strengths
23 or weaknesses? We are going to go on with the
24 denominator --

25 MS. PACE: Can I just ask, the
26 pulmonary rehab program, does that need to be
27 defined? Or is that going to be as defined by
28 the CMS regs? Or is there other definitions?
29 Or how do you know? I mean I just don't
30 know.

31 DR. MILLARD: I would say it just
32 follows the guidelines of the Joint -- what is

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1 it now, ATS, ACCP, AARC, AACVPR? I mean
2 everybody is onboard with the guidelines.

3 CHAIR YAWN: There are guidelines.

4 MS. PACE: So it probably should at
5 least just reference what that definition is.

6 CHAIR YAWN: Uh-hum. Okay.
7 Stratification --

8 DR. MILLARD: I can't see a word on
9 the board.

10 Stratification details. I don't
11 have any -- I mean stratification, risk
12 adjustment, all these things, I think we have
13 discussed them.

14 CHAIR YAWN: And you are
15 comfortable with the no risk adjustment? I
16 mean we have to have said, we have to have
17 mentioned that because it is going to get a
18 lot of pushback.

19 DR. MILLARD: If there is no risk
20 adjustment?

21 CHAIR YAWN: Yes. And it is okay.
22 I am not saying it is bad. I am just
23 saying --

24 DR. MILLARD: I can't see how risk
25 adjustment enters into that.

26 CHAIR YAWN: Oh, somebody who has
27 cardiovascular disease or very severe
28 arthritis who has more trouble participating
29 and gaining some of the functional improvement
30 might not have as big an improvement in
31 quality of life. And those are quite common
32 for people who are depressed.

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1 I am not saying we have to do it.
2 I just know that we are going to get pushback
3 from other people. So it is okay to say --
4 I'm taking all comers.

5 MS. PACE: It is a very big issue
6 that outcome measures, in general, should be
7 risk-adjusted or a very good rationale for why
8 not. So, if there is evidence that patients'
9 achievement in this area varies by co-
10 morbidities, severity of their COPD, then what
11 is the justification for saying you don't
12 risk-adjust?

13 So those would be the general
14 questions that will come up as this measure
15 continues through.

16 CHAIR YAWN: And is the
17 justification that people -- we are still
18 talking about a difference in quality of life
19 and improvement. So people who have all of
20 those co-morbidities start quite low and they
21 go up .5. People who don't have all those co-
22 morbidities start much higher, but go up .5.

23 DR. BAULDOFF: And the other issue
24 is that including both the SGRQ and CRQ,
25 these, again, are disease-specific
26 questionnaires. So they are going to focus
27 primarily on the pulmonary symptoms, and that
28 is what we are using to calculate score. So
29 they are not going to focus so much on the
30 symptoms that we would see as part of the co-
31 morbidities.

32 CHAIR YAWN: Well, that is not true

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1 for cardiovascular disease. Dysemia is
2 dysemia is dysemia.

3 DR. BAULDOFF: Right.

4 CHAIR YAWN: So you do have that
5 issue, and almost all of these people have
6 cardiovascular disease because they were long-
7 term smokers.

8 DR. NEFF: It may come up more with
9 the non-completer issue.

10 DR. MILLARD: Yes. Well, the other
11 issue that really will come up with risk
12 adjustment is when we do Richard's, which is a
13 physical metric, as opposed to an emotional
14 one.

15 CHAIR YAWN: Yes. So we are saying
16 that we do not believe we have to risk-adjust
17 because we are using a disease-specific
18 outcome measure and because we are using the
19 individual patient's change in score, which
20 already accounts for their difference in
21 initial scores.

22 DR. MILLARD: Right.

23 CHAIR YAWN: So that is our
24 justification for that risk-adjusting?

25 (Interruption from phone
26 recording.)

27 I think that Francois may not be
28 there anymore.

29 MS. WINKLER: Or anyone else.

30 (Laughter.)

31 DR. NEFF: The thing that people
32 may not fully reconcile is --

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1 (Interruption from phone
2 recording.)

3 The only thing that may kind of be
4 seen as a conflict there is, if we are saying
5 the reason we don't need to risk-adjust is
6 because we are using individual changes, but
7 then we are saying a weakness of this current
8 measure is that we are not capturing the
9 quitters, so to speak, you know, or the people
10 that can't finish the program, well, that sort
11 of rationale for the non-risk-adjusting
12 wouldn't work for the people that come and
13 just stop, right?

14 Because, then, that is going to
15 affect the whole program's scoring, so to
16 speak, if you have people that have that
17 arthritis come once, can't walk, stop. If you
18 don't risk-adjust for them, which you
19 recognize that they had a higher likelihood of
20 not completing --

21 CHAIR YAWN: Yes. Well, right now,
22 the measure as proposed is only for the
23 completers. So, when we talk about the gap,
24 and talk about the gap is that you need to
25 measure non-completers, then there may be a
26 different comment on risk adjustment for that
27 measure. But that is a different measure than
28 this one.

29 DR. NEFF: Oh, okay. I thought we
30 were going to sort of encourage or propose
31 that they be together. No?

32 CHAIR YAWN: I don't think we can.

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1 DR. NEFF: Okay.

2 CHAIR YAWN: I mean we can say they
3 didn't do that and we think it is a gap.

4 DR. NEFF: Oh, okay.

5 DR. MILLARD: The 10 sessions is
6 the key. That is the denominator, is the 10
7 sessions.

8 DR. NEFF: Then the delta is fine;
9 there is no risk adjustment.

10 CHAIR YAWN: Yes.

11 DR. NEFF: Okay.

12 CHAIR YAWN: And that is, I
13 think --

14 DR. NEFF: For now, I just have to
15 close my brain to what we just said about the
16 other thing. It is okay.

17 (Laughter.)

18 In a way, assessing the risk
19 adjustment is only based on what they wrote,
20 not what we are saying is a problem with it,
21 and we would actually advise.

22 MS. WINKLER: One of the things you
23 are doing is both evaluating this and trying
24 to make a better measure at the same time.
25 You are welcome to do all that, and we will
26 capture it as, "gee, it would be nice if....",
27 but the actual evaluation is what we've got
28 here.

29 CHAIR YAWN: How many of you sit on
30 study section? Have you ever been on a study
31 section? Okay.

32 Yes, in study section we say, "This

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1 is the proposal. You can only evaluate the
2 proposal. You cannot rewrite it."

3 At the end, we will by saying the
4 gap analysis, gee, we don't have a measure
5 that measures the quitters, and we would like
6 to have a quitters measure. We won't call it
7 that, obviously.

8 MS. PACE: Also, in the weaknesses
9 that you identify in this measure.

10 CHAIR YAWN: Yes. Yes.

11 DR. MILLARD: So we are at now
12 testing analysis, reliability testing?

13 CHAIR YAWN: Yes.

14 DR. MILLARD: Again, I said "P"
15 simply because I wanted to balance out CRQ and
16 SGRQ.

17 CHAIR YAWN: Okay. Otherwise, you
18 would have said "C"?

19 DR. MILLARD: Otherwise, it would
20 be "C".

21 CHAIR YAWN: Okay. Is that the
22 last --

23 DR. MILLARD: Validity testing.

24 CHAIR YAWN: There's more here.

25 DR. MILLARD: Content validity had
26 been reported. Again, comments are ditto,
27 which would be "P", just because of the SGRQ.

28 CHAIR YAWN: Okay.

29 DR. MILLARD: I want to make sure
30 that that also -- yes, and the earlier caveat
31 about what -- and I have done no -- if this
32 enters into what you had to say earlier about

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1 you want to suggest something different that
2 is on the side or the study section about this
3 is as it is, because this proposal has a 1.0
4 score. I think we all agreed that it really
5 should be the minimum clinical difference as
6 opposed to --

7 MS. WINKLER: I would ask you to
8 expand on that because, No. 1, why was one
9 chosen? Right, that is what I am saying; I
10 would like to hear a little bit around that
11 discussion.

12 Because it sounds like this
13 measure, being a measure has established a
14 certain threshold to achieve the positive
15 credit, if you will, and you are differing
16 with that. But I haven't had a handle exactly
17 on why that is.

18 DR. BAULDOFF: I think we just
19 reselected the moderate change. We certainly
20 can go with the .5. There would be no
21 argument on making that modification
22 whatsoever. It is all out of the same
23 article. It is all out of the Jaeschke
24 article.

25 So what we did, though, is that we
26 were looking for that whole point difference.
27 We just went with the moderate change because
28 we expect to see a larger change than that
29 actually, because we are looking at
30 completers.

31 CHAIR YAWN: Right, and the
32 evidence behind recommending pulmonary rehab

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1 was first based on it had to achieve at least
2 the minimal significant difference for it to
3 be recommended as valuable. But then it
4 wasn't a huge decline in the percent of people
5 that received moderate versus the minimally-
6 significant difference.

7 DR. BAULDOFF: Right.

8 CHAIR YAWN: So that what you said
9 was you chose the 1 because you didn't think
10 it was that much different in all the evidence
11 from the number of people that achieved .5?

12 DR. BAULDOFF: Right. So that is a
13 modification that would easily be made.

14 MS. WINKLER: I guess we will
15 really need to grapple with the intent of the
16 measure. If you are basically trying to say
17 we want to identify the really good programs
18 because they are able to achieve a higher
19 change score, and that is reflective of the
20 quality of the program provided, then 1 may be
21 your choice.

22 DR. MILLARD: Then why did you say
23 2?

24 MS. WINKLER: Yes. Well, I know.
25 That is what I am trying to find out.

26 DR. MILLARD: That is what I am
27 saying is, I don't think there is any data
28 that --

29 MS. WINKLER: Well, that is what I
30 am trying to get at, is there a --

31 DR. MILLARD: What we are really
32 going to have a problem with, and we need to

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1 look forward, is that when we look at physical
2 measures, pulmonary rehab programs don't even
3 meet, when you look at six-minute walks, they
4 don't even meet the minimum clinical
5 difference.

6 CHAIR YAWN: It seems to me right
7 now the question is, are we trying to identify
8 good programs or the really good programs, or
9 are we just trying to understand the
10 variability across the country, which we don't
11 even know that yet? We don't know the
12 variability of outcomes.

13 DR. MILLARD: The minimum clinical
14 difference, that at least sets the goal for
15 whatever you try to achieve. Then you have to
16 look back and see if you have reached that
17 goal.

18 DR. NEFF: Then you would have that
19 binary component like you did yes or no, and
20 that could get you a pool of programs. Then
21 you would still be tracking the amount of
22 interval change. Then you could grade the
23 programs, if you wanted to, against each other
24 by who had small, medium, and large changes.

25 MS. PACE: That is only if the
26 measure is constructed to do like an average
27 instead of the percent that achieved this
28 minimal. You could have the mean change, but
29 that is a different measure and it is not
30 going to happen unless it is actually
31 specified in the measure.

32 CHAIR YAWN: That has to be

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1 translated into all kinds of things.

2 So, right now, are we willing to
3 accept the 1.0 instead of the minimally-
4 significant clinic difference from the data
5 that has been presented, saying that in the
6 studies there was not a lot of difference
7 between the percent that achieved 0.5 and 1.0
8 because -- I can't remember -- it was 2-3
9 percent difference is all in the number of
10 programs. So that is why you chose a higher
11 standard. Is that putting words in your
12 mouth?

13 DR. BAULDOFF: No, that sounds
14 right on.

15 It was coming out of trying to
16 figure out the highest, the whole quality. So
17 perhaps we looked at this in the wrong way.
18 We should have looked at this as looking at
19 quality in a starting point rather than a
20 higher-level --

21 CHAIR YAWN: Well, but even with
22 1.0, it seemed to be a reasonable starting
23 point from what the research data is.

24 DR. BAULDOFF: But, again, I think
25 it would be appropriate. Being the one that
26 wrote this measure, I am almost embarrassed to
27 admit right now, I think the .5 really is the
28 better one to go with. But I appreciate your
29 reviewing what was on paper when it came in.

30 CHAIR YAWN: So what do we do about
31 that?

32 MS. WINKLER: I mean I think it is

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1 a negotiable point, but I think, ultimately,
2 this speaks to the question of the tools that
3 have been used, have been tested and
4 validated, but the measure as specified I
5 think is where you are all having your
6 questions about. It sounds like we don't have
7 enough data of how that will perform when it
8 is put in place to evaluate the quality of
9 various programs.

10 So the question, then, I would ask
11 you, we go back to, has the measure been
12 tested or not?

13 DR. MILLARD: Not at 1.0.

14 CHAIR YAWN: Well, not across lots
15 of different programs. We don't have data
16 using this across lots of programs. But the
17 measure has not been tested. So what do we do
18 about that?

19 MS. PACE: So you don't have any
20 data on this measure? So you haven't done any
21 kind of program scores using this measure?
22 You don't have data?

23 DR. BAULDOFF: We don't have that
24 data. We are just starting a registry.

25 MS. PACE: Oh, then it isn't --

26 MS. WINKLER: Yes, well, the
27 question I would ask, though, of Dr. Millard
28 is, is the research data using .5 essentially
29 a test of this, where you got results of
30 comparing programs or that you can see how the
31 measure performed at the .5 level? Is that
32 what the research data shows? Because that,

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1 potentially, tested that measure, that version
2 of it, if you will.

3 DR. MILLARD: Well, then the
4 programs measure improvements, and a minimum
5 clinical -- I mean the goal is to see
6 improvement.

7 MS. WINKLER: Right.

8 DR. MILLARD: And what's
9 improvement? It's .5 or above.

10 DR. NEFF: So then it was .5,
11 right?

12 DR. MILLARD: Well, but that is a
13 minimum clinical difference.

14 DR. NEFF: Right. That is what I
15 mean.

16 DR. MILLARD: Because that is how
17 we can say, yes, we did something.

18 DR. NEFF: So, in a big trial, that
19 minimally-clinically significant difference
20 was used to then establish benefit?

21 CHAIR YAWN: But it was used to
22 compare the sites. It was aggregate data. It
23 did not compare different sites. It was a
24 study proving that this tool --

25 MS. PACE: Intervention.

26 CHAIR YAWN: -- that this
27 intervention -- thank you -- this intervention
28 is beneficial, but it did not measure the
29 quality of sites. It did not differentiate
30 among sites. It was aggregate data and pooled
31 data.

32 So I don't believe they

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1 presented -- I mean we could probably go get
2 it. Well, they may not give it to us,
3 actually, because they may have promised not
4 to give it to anybody.

5 DR. NEFF: Although is this measure
6 actually saying this has to be able to compare
7 sites or is it just saying this is what we are
8 going to use to identify significant
9 difference? And whether you say it in one
10 program or multiple, you are not actually
11 speaking to comparing it. I mean that is
12 probably how it will be used.

13 MS. PACE: That is the reason for
14 NQF endorsement, is public reporting and
15 quality improvement. So public reporting
16 implies that someone could look at a variety
17 of program scores and make some conclusion
18 about which one has the better quality. It is
19 part of the mission of NQF-endorsed measures.

20 CHAIR YAWN: And it is just that
21 this has never been used to do that.

22 MS. WINKLER: The comparison can be
23 done in a couple of ways. You can have
24 absolute numbers, percentages.

25 The other question, I think it is a
26 more focused measure, maybe less robust, but
27 to ask the question, what percentage of
28 patients do hit the minimum? Perhaps that is
29 useful information or not. I don't know.

30 DR. MILLARD: I think that is more
31 useful.

32 MS. WINKLER: So it would be, yes,

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1 you did versus, no, you didn't.

2 DR. MILLARD: So it is more useful
3 than what percentage because we don't know
4 what the difference between 0.5 and 1 is. We
5 know what .5 is. We know that .5 is the
6 minimum clinical --

7 CHAIR YAWN: Well, isn't that what
8 this measure is, the percent who hit 1.0 or
9 greater?

10 DR. MILLARD: Right, but --

11 CHAIR YAWN: I mean that is what
12 this is.

13 DR. MILLARD: But I think it should
14 be .5.

15 CHAIR YAWN: No, I hear what you
16 are saying.

17 MS. PACE: But, yes, you're right,
18 it is a percentage.

19 CHAIR YAWN: Right, and that goes
20 back to the question it is an untested
21 measure.

22 MS. WINKLER: Yes, I think so. I
23 am trying to find a way around it.

24 CHAIR YAWN: Well, I mean I think
25 we have all tried several times. That isn't
26 bad because COPD rehab is so early that we can
27 understand. It is so early in its history,
28 unfortunately, for widespread use. We
29 understand why it is not yet tested. That
30 doesn't mean we can waive all the
31 requirements.

32 MS. PACE: I am just kind of

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1 quickly going through this, but do you have
2 that information about the minimally-
3 clinically significant difference? Is that
4 mentioned in the information you provided in
5 the submission form?

6 DR. BAULDOFF: That is the Jaeschke
7 article.

8 MS. PACE: The what?

9 DR. BAULDOFF: I don't know --

10 MS. PACE: But you didn't extract
11 that information? It is just in one of the
12 articles? I am just asking if you --

13 CHAIR YAWN: Well, you need to go
14 back to the validation for the two measures
15 now that we are talking about, and you have to
16 go way back to those. I don't think you
17 quoted those as references, is what I was
18 saying.

19 DR. BAULDOFF: Well, actually, the
20 Jaeschke article from 1989 is one of the
21 earliest on the CRQ.

22 CHAIR YAWN: Okay.

23 DR. BAULDOFF: That was reliability
24 and validity testing. For the SGRQ, that is
25 very simple. I have all of that --

26 CHAIR YAWN: Yes.

27 DR. BAULDOFF: -- all of that
28 information.

29 CHAIR YAWN: So you did give us the
30 reference? You just didn't say --

31 DR. BAULDOFF: Didn't clarify.

32 CHAIR YAWN: So we have it. She

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1 just didn't cite --

2 DR. BAULDOFF: Right.

3 CHAIR YAWN: Because they used a
4 higher standard.

5 DR. BAULDOFF: Right. Yes.

6 MS. PACE: Whenever a measure is
7 based on some kind of benchmark, we can almost
8 predict the question will be, what is the
9 evidence for establishing that benchmark?

10 CHAIR YAWN: Yes, and we have it.

11 MS. PACE: Right.

12 CHAIR YAWN: We just could pull it
13 out in a specific sentence. Okay.

14 DR. MILLARD: Exclusions
15 justified --

16 CHAIR YAWN: Let's go down. Could
17 you take us down to the exclusions, please?

18 DR. MILLARD: And that's
19 neurocognitive psychiatric conditions; you
20 can't read or write.

21 CHAIR YAWN: Or speak.

22 DR. MILLARD: Or speak, yes.

23 CHAIR YAWN: With the language.
24 Okay.

25 DR. MILLARD: Then it says risk
26 adjustment for outcome measures resources. It
27 says not applicable.

28 MS. PACE: I think, just as we have
29 already talked about it, it is not that it is
30 not applicable. It is always applicable.

31 DR. MILLARD: Yes.

32 MS. PACE: It is whether there is a

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1 justification for not doing it.

2 CHAIR YAWN: Well, and in our
3 comments we can put --

4 MS. PACE: Exactly.

5 CHAIR YAWN: -- the justification
6 we already mentioned.

7 MS. PACE: Right, right, right.

8 CHAIR YAWN: Okay.

9 DR. MILLARD: And identification of
10 meaningful differences in performance. This
11 is where I think we will have significant --
12 my recommendations would be, I think, what,
13 "M", in the sense of as written, 1.0 change
14 for moderate and 1.5 would represent a large
15 change.

16 MS. PACE: And this is a little
17 confusing in this context, but what we are
18 really looking at here is difference in
19 performance across programs because the
20 measure is measuring a program. So, again, it
21 goes back to the question we talked about
22 earlier: are all the programs going to end up
23 with 90 percent of their patients achieving
24 this?

25 CHAIR YAWN: We don't know, but I
26 think all of our expert guesses are, no, that
27 there will be a fairly wide variability.

28 MS. PACE: Right.

29 CHAIR YAWN: I guess we will call
30 ourselves expert opinions. We don't have any
31 data.

32 Okay.

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1 DR. MILLARD: And 2g, comparability
2 of multiple data source methods, I think,
3 unfortunately, you probably asked the wrong
4 person. Therefore, I am saying this is "M" on
5 that as well, but --

6 CHAIR YAWN: Yes, but you can
7 really, really in your heart, justify saying
8 CRQ is not good?

9 DR. MILLARD: No. I just can't say
10 CRQ is the, quote, "most reliable validity and
11 feasibility of use in a patients' COPD
12 programs."

13 CHAIR YAWN: You could say one of
14 the two most?

15 DR. MILLARD: Yes.

16 CHAIR YAWN: Okay.

17 DR. MILLARD: Yes. And then,
18 disparities in care, that talked about, is
19 this the disparity related to how many
20 people -- is it a completed program or not? I
21 think that is what we were --

22 MS. PACE: This is really intended
23 to go back to the first question about
24 variability and opportunities for improvement
25 and whether care and outcomes vary by what are
26 typically considered disparities, you know, by
27 ethnicity, race, socioeconomic status,
28 sometimes gender. So, if they have identified
29 that gender is an issue in people getting
30 correct care or achieving outcomes, can it be
31 measured?

32 CHAIR YAWN: Well, they suggested

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1 we could stratify by gender. So, if we did
2 that, we would be able to tell by gender.

3 MS. PACE: Right.

4 CHAIR YAWN: The other one, you may
5 have mentioned this under the weaknesses, but
6 one of the big areas of disparity for
7 pulmonary rehab is geographic location. There
8 is no discussion here. Because if you live 50
9 miles from the program, you start the program
10 -- it goes maybe more to the ones who are
11 unable to complete, but does that lower your
12 ability to improve your quality of life
13 because you have to drive 100 miles every time
14 you go?

15 I would put geographic disparity
16 under that as a weakness that they didn't look
17 at, but not a deal-killer or breaker,
18 certainly.

19 DR. MILLARD: I concur.

20 CHAIR YAWN: Okay. So these are
21 the strengths and weaknesses from our
22 colleague who isn't with us today, because he
23 is traveling internationally.

24 English-only, we have that. We
25 have said that was a weakness, that we could
26 only do English at this time.

27 The IPF patients, you don't have
28 IPF patients in here, do you?

29 DR. BAULDOFF: No, this is specific
30 to COPD.

31 DR. MILLARD: No, this is just
32 COPD.

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1 CHAIR YAWN: That is what I
2 wondered because I am thinking, well, yes,
3 okay.

4 Okay, and he is just saying the
5 other weakness is he doesn't think that CRQ
6 deals with emotional things like depression,
7 so that you aren't measuring a full scope of
8 quality of life.

9 Does the SGRQ do that, do you
10 think?

11 DR. MILLARD: It does have some
12 depression/anxiety.

13 CHAIR YAWN: With its 400
14 questions, it ought to have something.

15 DR. BAULDOFF: It has symptoms,
16 activity, and impact subscores that go into
17 the total score.

18 CHAIR YAWN: Okay.

19 MS. PACE: So I am not sure where
20 you are at with the recommendation that this
21 measure should include both tools. Is that
22 something you have decided on yet or made a
23 recommendation about? Is that a weakness of
24 this measure as it is stated?

25 CHAIR YAWN: Well, I think that we
26 have one person saying he believes it is
27 because a number of the programs currently use
28 that, and it would require those programs to
29 change what they do from a perfectly
30 acceptable measure of health-related quality
31 of life to another measure of health-related
32 quality of life, which that is a burden. I

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1 was going to put it more under burden and
2 feasibility --

3 MS. PACE: Okay.

4 CHAIR YAWN: -- than I was here.

5 MS. PACE: I see. Okay.

6 CHAIR YAWN: Does that make sense?

7 MS. PACE: Yes.

8 DR. MILLARD: And the good news is
9 they do cross-balance.

10 DR. NEFF: Yes. It is not between
11 apples and oranges. It is MacIntosh apples
12 and Fuji apples. Sorry.

13 CHAIR YAWN: Yes. They will be
14 certain to understand that one.

15 (Laughter.)

16 MS. PACE: But I think you are
17 saying one includes depression and the other
18 doesn't. That questions in my mind, then, are
19 they equivalent?

20 DR. MILLARD: They measure
21 different things, but they are similar.

22 DR. BAULDOFF: Actually, the CRQ
23 does have a subscore of emotional function.

24 CHAIR YAWN: Yes.

25 DR. BAULDOFF: So I would
26 respectfully disagree with the reviewer's
27 comment on that.

28 CHAIR YAWN: And I agree with your
29 comment.

30 (Laughter.)

31 I think that I just wanted to read
32 what it said to make sure --

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1 MS. PACE: Yes, I know.

2 CHAIR YAWN: Yes, I don't think one
3 ignores depression and anxiety and the other
4 brings it out.

5 Okay. Shall we go on then?

6 DR. MILLARD: Shall we go on to the
7 next?

8 MS. PACE: So do we know what has
9 been agreed on for the --

10 CHAIR YAWN: Okay. I'm sorry.
11 What is the rating for this?

12 MS. FORMAN: It says "completely"
13 for all of them.

14 CHAIR YAWN: And for the measure as
15 stated, we know your concerns about the SGRQ,
16 but we are going to try to deal with those
17 more under feasibility.

18 If we didn't have the SGRQ
19 concern --

20 DR. MILLARD: Complete.

21 CHAIR YAWN: -- would it be
22 complete?

23 DR. MILLARD: Yes.

24 CHAIR YAWN: Okay.

25 MS. FORMAN: Except for the
26 performance scale or that was partially?

27 MS. WINKLER: That was under
28 importance.

29 MS. FORMAN: Oh, I'm sorry.

30 CHAIR YAWN: Yes, this is untested.

31 DR. MILLARD: Well, actually, it
32 would be "P" because, also, this issue of what

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1 level were they putting it at 1.0.

2 CHAIR YAWN: Yes. So we say keep.

3 DR. MILLARD: Yes.

4 MS. FORMAN: For all?

5 CHAIR YAWN: For the scientific.

6 DR. MILLARD: Yes.

7 MS. FORMAN: Okay.

8 CHAIR YAWN: Okay?

9 MS. PACE: We have to do each of
10 the subcriteria.

11 CHAIR YAWN: Yes.

12 MS. PACE: But you are saying all
13 of them put as "P"?

14 CHAIR YAWN: Well --

15 MS. FORMAN: Because 2f, you had as
16 minimal, and 2g?

17 CHAIR YAWN: Could I suggest
18 that --

19 MS. WINKLER: That we go back and
20 fill it in --

21 CHAIR YAWN: -- we fill it in
22 later?

23 Because I think that -- and I am
24 going to suggest for these TAPs in general --
25 to do all of those sub-sub is going to slow
26 the discussion down a lot. If we can do the
27 four base categories, that would be very
28 helpful.

29 MS. WINKLER: Well, we can't --

30 CHAIR YAWN: No, no, no. I know.
31 I mean we go through them and we look at
32 them --

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1 MS. WINKLER: Right.

2 CHAIR YAWN: -- and we take notes,
3 but that we don't go back and say, can we do
4 each one? We try to do it from the knowns.

5 MS. WINKLER: Okay.

6 CHAIR YAWN: Would that be
7 acceptable to try?

8 MS. WINKLER: You can try it.

9 CHAIR YAWN: If it doesn't work --

10 DR. MILLARD: So what number are we
11 at?

12 CHAIR YAWN: We are at 3 now.

13 DR. MILLARD: At 3.0, meaningful,
14 understandable, and useful information. And I
15 thought it was -- extent to which intended
16 audiences can understand the results and are
17 likely to find them useful for decisionmaking,
18 and with the caveats as to sort of what would
19 be the appropriate benchmark, I think it is
20 complete.

21 CHAIR YAWN: Okay. And he thought
22 it was complete.

23 MS. WINKLER: Okay.

24 DR. MILLARD: 3b. 3c, relation to
25 other NQF-endorsed measures.

26 CHAIR YAWN: That was not
27 applicable.

28 MS. WINKLER: Right.

29 CHAIR YAWN: Because there weren't
30 any.

31 DR. MILLARD: Yes. And again,
32 there is this thing about 40 years and older;

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1 there needs to be harmonization to 40.

2 CHAIR YAWN: Thank you.

3 DR. MILLARD: To receive
4 distinctive or additive value, and I would say
5 complete.

6 CHAIR YAWN: Well, since there are
7 no existing measures --

8 DR. MILLARD: Yes.

9 CHAIR YAWN: -- it has to be either
10 not applicable or complete. That would be
11 true.

12 DR. MILLARD: That is easy.

13 On the strength and weakness, I
14 think that's self-evident.

15 CHAIR YAWN: So you are pretty
16 comfortable with the "C" for overall for this
17 one?

18 DR. MILLARD: Yes. Yes. Yes.

19 CHAIR YAWN: For 3?

20 DR. MILLARD: Yes.

21 CHAIR YAWN: Okay.

22 DR. MILLARD: Now in terms of
23 feasibility, one of the big issues is going to
24 be in terms of data generation, and this is 4a
25 and 4b, I think both are, how are these going
26 to be redactable in an EHR?

27 DR. O'CONNOR: I think it is the
28 overarching issue. How can you retrieve the
29 data? I mean, if it is yes/no, is the patient
30 in a pulmonary rehab program, that even has
31 challenges. The new regs are going to put you
32 ahead of that wave. So that is great because

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1 we couldn't do this last year or two years
2 ago. We had no way to retrieve who was even
3 in a pulmonary rehab program.

4 That solution looks like it is
5 going to get solved, but Mark and I talked
6 about this earlier. Since you are looking at
7 differences in scores, how can you do that?
8 That is the hard part.

9 CHAIR YAWN: So this would require
10 all of them to do it on baseline and do it
11 at --

12 DR. O'CONNOR: But somebody has got
13 to go in and extract the data. It can't be
14 electronically retrievable.

15 CHAIR YAWN: Why?

16 DR. O'CONNOR: Because these are
17 going to be scanned documents that you are not
18 going to be able to say, "Tell me what the
19 first one was? Tell me what the second one
20 was?" to compute a difference. You can't do
21 that --

22 CHAIR YAWN: Well, you are assuming
23 that people will not have that ability in
24 their pulmonary rehab programs.

25 DR. O'CONNOR: Well, we have an
26 electronic health record, and these sorts of
27 data get scanned. So we couldn't do this, and
28 I suspect that, since most people have
29 electronic health records similar to ours,
30 they are going to have the same problems.

31 DR. MILLARD: Yes, you would have
32 to pull it out separately and enter it, just

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1 so that you could retrieve it automatically
2 later. That would change the current clinical
3 process, to have it be automated.

4 CHAIR YAWN: Right. We would have
5 to change the EHR for pulmonary rehab programs
6 to make these electronically-entered. I mean
7 this is true for pretty much any of these
8 things.

9 DR. O'CONNOR: It is not an issue
10 specific to this measure.

11 CHAIR YAWN: Yes.

12 DR. O'CONNOR: This is an issue,
13 basically, for anything that is going to
14 require a number other than a yes/no binary
15 situation. This is a difficult problem.

16 CHAIR YAWN: Well, anything that
17 doesn't have a specific ICD-9 administrative
18 code right now is not easy. Some lab test
19 results we can now pull out electronically.

20 MS. PACE: So is this typically
21 done in a paper/pencil format to the patient?
22 Then who in your office would go through and
23 score it, so that you get the score? And is
24 that score entered?

25 DR. MILLARD: It is in the chart.
26 In our chart, our pulmonary rehab chart, I see
27 the SGRQ beginning; I see the SGRQ at the end.
28 I see the six-minute walk at the beginning.
29 I see the six-minute walk at the end. And it
30 is scanned into the electronic health record.

31 MS. PACE: Right, but you said that
32 someone had to go through those answers to

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1 come up with the score?

2 CHAIR YAWN: Oh, yes, to get the
3 score. Usually, the person that
4 administers --

5 DR. MILLARD: But that data is not
6 retrievable electronically.

7 MS. PACE: But the score --

8 DR. MILLARD: It exists in the
9 charts.

10 MS. PACE: Okay.

11 CHAIR YAWN: So, if you did a chart
12 review, electronic chart review, like you do
13 paper, you can go down and scan through, find
14 the SGRQ --

15 DR. MILLARD: Or the CRQ.

16 CHAIR YAWN: -- or the CRQ, either
17 one, and say, "Okay, there it is," and there
18 it is. But you have to go in. It is not like
19 administrative data that I can tell you how
20 many people have an ER visit in the last year.

21 MS. PACE: So about all data
22 elements being available electronically, that
23 is a no, not a yes?

24 DR. MILLARD: The answer is no.

25 CHAIR YAWN: Yes, right.

26 DR. O'CONNOR: Everything we say
27 regarding Mark's measure applies to the six-
28 minute walk test as well. So we are doing
29 double-duty here.

30 DR. NEFF: Yes.

31 CHAIR YAWN: Yes. Well, and the
32 susceptibility to inaccuracies, errors, and

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1 things are the same kind of problems you have
2 anytime you have to have somebody score
3 something by hand.

4 DR. O'CONNOR: Now the ideal,
5 obviously, would be to chart each one over
6 time. Because if we take a look at laboratory
7 test results, a CBC or a whatever, and that is
8 electronically retrievable, but in Touchworks,
9 which is the system we use, we don't have that
10 functionality for things like this.

11 CHAIR YAWN: So you have to
12 specifically go in and program a template for
13 it.

14 DR. O'CONNOR: Exactly.

15 CHAIR YAWN: That is a barrier.

16 DR. NEFF: We would be able to
17 electronically know that they have had it
18 done.

19 DR. O'CONNOR: Yes.

20 DR. NEFF: So that they had it at
21 the beginning and the end, you wouldn't --

22 CHAIR YAWN: Yes, but that doesn't
23 help a lot.

24 DR. NEFF: -- know if it is out
25 there.

26 MS. PACE: So say your electronic
27 record had a flow sheet, you know like you use
28 blood pressure, or whatever, can you have a
29 spot where you would be recording the overall
30 score?

31 DR. MILLARD: Unless your
32 program --

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1 DR. O'CONNOR: Somebody would have
2 to have it programmed in and entered on each
3 visit. That is not impossible.

4 MS. PACE: Right.

5 DR. O'CONNOR: But, currently, it
6 is not the way it is done.

7 MS. PACE: Right, right.

8 CHAIR YAWN: Again, this is not
9 going to be different for pretty much any
10 measure --

11 MS. PACE: Oh, yes. It is
12 something we encounter at every --

13 CHAIR YAWN: -- each set of
14 administrative data.

15 MS. PACE: Right, right.

16 DR. O'CONNOR: Maybe since we are
17 the first TAP, you should just take this
18 discussion and save time in the future ones,
19 since they know we have done this already.

20 (Laughter.)

21 CHAIR YAWN: Well, but some of them
22 are based on administrative data only.

23 DR. O'CONNOR: Yes.

24 CHAIR YAWN: And those will be
25 different.

26 MS. PACE: Right.

27 CHAIR YAWN: So it is one of those
28 things that we would love to have all
29 pulmonary rehab programs have an EHR that
30 facilitated this.

31 DR. NEFF: But they don't.

32 CHAIR YAWN: So let's go.

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1 DR. MILLARD: Now the other
2 question was whether or not that data is
3 available. Accreditation. I mean if that
4 data is going to be available, are you going
5 to publish the improvements in CRQ, or
6 whatever, as to the six-minute walk on the
7 programs?

8 DR. HAMM: By programs?

9 DR. MILLARD: Yes, by program. Is
10 that data going to be retrievable?

11 DR. HAMM: To the best of my
12 knowledge, and both Gerene and I are on the
13 Board of Directors, I don't believe that
14 question has been answered yet.

15 DR. MILLARD: So has it been asked?
16 Has it been asked?

17 DR. HAMM: Yes, I think it has been
18 part of the discussions.

19 CHAIR YAWN: So that we have a
20 potential source to consider, but that would
21 be only for accredited programs.

22 DR. HAMM: That is correct.

23 CHAIR YAWN: So that would
24 introduce a tremendous bias and limit the
25 scope.

26 DR. HAMM: By the way, I don't know
27 if this is helpful or not. Hopefully, it is,
28 but the company that we are using to develop
29 this registry, electronic registry, will be
30 having fields that will be able, data fields
31 that will be able to report scores. I mean it
32 is a custom database. So whatever we ask for

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1 is what, ideally, we get. That may get at
2 some of the questions that you have been
3 struggling with.

4 CHAIR YAWN: Yes, but, again, it is
5 not available currently. It is a wish of the
6 future. And we don't know, even if it is
7 there, if we will be able to have access or if
8 the reporting is going to have access.

9 DR. HAMM: It is in development. I
10 mean that much is true. We are under contract
11 to them. It is going to happen, but --

12 CHAIR YAWN: Right.

13 MS. PACE: I want to just ask a
14 question back on your submission about use of
15 a public reporting initiative, and you put
16 "NA". Does that mean not applicable or not
17 available under 3a, using public reporting?

18 DR. BAULDOFF: You said public
19 reporting initiative?

20 MS. PACE: Uh-huh.

21 DR. BAULDOFF: What I have is that
22 the CRQ has been used as a measure of --

23 MS. PACE: No, right above that,
24 you have "NA".

25 CHAIR YAWN: "NA". Well, if the
26 measure has never been tested --

27 MS. PACE: Right, but what I am
28 getting at is just the measures are supposed
29 to be intended -- do you see "Use in public
30 reporting initiative"? You have "NA"
31 underneath that?

32 DR. BAULDOFF: I am not working

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1 from the final copy because I don't have
2 access to that. I am working from our final
3 draft that was on the submission forms.

4 CHAIR YAWN: Well, it is right
5 here. What she is saying is it is right here.
6 It says, "Use in public reporting" -- I know
7 you can't read it from back there -- "Use in
8 public reporting initiative". And you put
9 "NA". Is that because you don't think it
10 should be, that it hasn't been? What? What
11 does that mean?

12 DR. O'CONNOR: Well, this measure
13 hasn't been used for public reporting. So it
14 is not available.

15 CHAIR YAWN: It has never been used
16 for anything.

17 DR. BAULDOFF: Right. So it is not
18 available.

19 CHAIR YAWN: So not available? It
20 is not that it's not applicable.

21 MS. PACE: Okay. All right, yes.

22 DR. BAULDOFF: I did not enter this
23 directly myself. We had our Executive
24 Director enter information into NQF.

25 MS. PACE: The only reason I am
26 asking is the public reporting, the intention
27 for public reporting is a big issue at NQF,
28 and the Board recently affirmed that NQF-
29 endorsed measures should be publicly reported.

30 So, if you were thinking that this
31 type of measure should not have any public
32 reporting --

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1 DR. O'CONNOR: I could see the
2 opportunity here for misinterpretation of the
3 question then, yes.

4 CHAIR YAWN: Right.

5 DR. O'CONNOR: Has it been used in
6 public reporting versus could it be used.

7 MS. PACE: Well, it is not just
8 going to be "could it be?".

9 DR. O'CONNOR: Will it be?

10 MS. PACE: It is, will it be? And
11 we are changing the question.

12 DR. O'CONNOR: Yes.

13 MS. PACE: Which is something that
14 has been evolving. But I just wanted to get
15 if there is some --

16 MR. DUDLEY: I can just tell you
17 what we thought when we did that. Since you
18 asked to provide the name of initiatives and
19 locations of URLs, I viewed that as a past-
20 looking question rather than a forward-looking
21 question.

22 MS. PACE: Right, and that is
23 changing, but the only reason I was asking if
24 she meant not applicable or not available
25 or --

26 CHAIR YAWN: So it could be used,
27 and did you develop it thinking it should be
28 used for public reporting, this measure?

29 DR. BAULDOFF: Yes.

30 CHAIR YAWN: Okay. So you have the
31 answer. It just never has been.

32 DR. BAULDOFF: Correct.

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1 CHAIR YAWN: So it was not
2 available, not that it wasn't applicable.

3 DR. BAULDOFF: Right.

4 CHAIR YAWN: Thank you.

5 Okay. So where are we with this
6 one now, d? Oh, I'm sorry. Feasibility.
7 Thank you. We are at feasibility.

8 DR. MILLARD: Right, and we said,
9 initially, how are data elements that are
10 needed to compute scores generated? I think,
11 I mean, it is "C" there, but the electronic
12 sources is where we fall down.

13 CHAIR YAWN: And also, this is
14 where we were going to talk about programs
15 that currently use the Saint George having to
16 change to this one; if it is specified exactly
17 this way, it could be a problem. So we think
18 that it would be easier for the programs
19 already using Saint George, which is an
20 equally-acceptable and valid measure, they
21 should be able to continue doing what they are
22 doing.

23 DR. O'CONNOR: Well, let me ask a
24 couple of just general questions, since you
25 were the developers of the measure.

26 If you take a look in a broad
27 spectrum, what proportion of patients with
28 COPD across the country actually have the
29 opportunity to be enrolled in one of the
30 pulmonary rehab programs? What percentage of
31 COPD patients actually get into a rehab
32 program?

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1 DR. BAULDOFF: Fifteen to 25
2 percent. It is very, very small.

3 DR. O'CONNOR: So it is low?

4 DR. BAULDOFF: Yes.

5 DR. O'CONNOR: Okay. And are there
6 rehab programs across the country that are
7 certified by your organization as well?

8 DR. BAULDOFF: Yes.

9 DR. O'CONNOR: And how many of
10 those are there compared to certified
11 programs?

12 DR. BAULDOFF: We are still
13 attempting to collect that data.

14 DR. O'CONNOR: Okay. So you know
15 how many certified programs?

16 DR. BAULDOFF: Right.

17 DR. O'CONNOR: You just aren't sure
18 how many uncertified programs there are?

19 DR. BAULDOFF: Right.

20 DR. HAMM: It is a fluid number.
21 The denominator is so fluid. I mean it can be
22 calculated, but it is good that --

23 DR. BAULDOFF: Those programs open
24 and close according to the budget from the
25 last month pretty much.

26 DR. O'CONNOR: Yes. Okay.

27 CHAIR YAWN: In Minnesota, over the
28 last year, it has gone from less than 50
29 percent to about 65 or 70 percent certified
30 now.

31 DR. O'CONNOR: Programs?

32 CHAIR YAWN: Yes. But when CMS

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1 starts paying for it, I am going to bet
2 there's going to be a whole lot of uncertified
3 programs.

4 DR. O'CONNOR: That's where it is
5 going.

6 So 15 to 25 percent of patients
7 with COPD currently enroll in some sort of
8 pulmonary rehab program, and you envision that
9 going up with the --

10 DR. BAULDOFF: Yes, dramatically,
11 with the CMS.

12 DR. O'CONNOR: Beginning in January
13 because of the new regs?

14 DR. BAULDOFF: And I think we would
15 also expect to see that there will be an
16 increase in number of programs. Because now
17 that there will be a way for funding, even
18 though the funding -- it is free.

19 CHAIR YAWN: Well, that is what he
20 is asking.

21 DR. O'CONNOR: Yes. Because I
22 think that, at the Board level, they are going
23 to want to know the commonality of this. If
24 you've got 10 percent of patients in a
25 program, the measure is of limited value. If
26 it is going to be 50 to 70 percent of
27 patients, it --

28 CHAIR YAWN: Well, I think the new
29 guidelines, and this is not right now
30 reasonable, but the new guidelines are going
31 to move it up to a higher level of COPD
32 patients with higher FAD lungs, as

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1 appropriate.

2 DR. MILLARD: But going from 60 to
3 70 is actually probably not going to make much
4 difference because the average nuance, unless
5 we are making a diagnosis a lot earlier --

6 CHAIR YAWN: But we are working
7 very hard on that part, too. So, over the
8 next five years, this could increase
9 remarkably, is what we ought to say perhaps.

10 Very good questions. Thank you.

11 Okay.

12 MS. WINKLER: Are you done with
13 that question?

14 CHAIR YAWN: Are we done with this
15 measure? Do we feel like we have a sense of
16 how we will move it on, then, to the Steering
17 Committee?

18 MS. WINKLER: Just I wanted to
19 bring up, someone entered the room during this
20 and hasn't been introduced. So perhaps you
21 could just tell us who you are.

22 MR. DUDLEY: Hi. I am Adams
23 Dudley, a pulmonary doc at UCSF and a measure
24 developer for a future measure.

25 CHAIR YAWN: Okay. Thank you.

26 All right, well, we are
27 considerably behind schedule, as you might
28 have noticed, but that is okay. We are going
29 to take a short -- can we just do a five-
30 minute break instead of 15, please?

31 (Whereupon, the foregoing matter
32 went off the record at 10:59 a.m. and went

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1 back on the record at 11:08 a.m.)

2 CHAIR YAWN: Okay, the next measure
3 we are going to go through is already up
4 there.

5 MS. PACE: This is measure 20.

6 CHAIR YAWN: Right.

7 MS. PACE: And it is functional
8 capacity. This is comparable, it is the same
9 group presented --

10 DR. BAULDOFF: But there will be
11 problems.

12 CHAIR YAWN: Okay, there will be
13 many of the same issues. Okay.

14 DR. BAULDOFF: Challenges.

15 MS. FORMAN: And our reviewers are
16 Dr. O'Connor and Dr. Millard.

17 CHAIR YAWN: Okay.

18 DR. O'CONNOR: Many of the comments
19 we made with the last one apply to this one.
20 I am going to lean heavily on Dr. Millard, who
21 has done these things. As I indicated, I am a
22 pediatric type of guy. So, while I understand
23 measurement, he understands pulmonary rehab
24 issues.

25 In terms of importance to measure
26 and report, does it affect large numbers?
27 Absolutely, there is no doubt about that. So
28 I would agree with No. 1 as a "C".

29 1b, opportunity for improvement.
30 "In summary, does data demonstrate a
31 performance gap?" I believe all of the
32 comments we made before apply. We all suspect

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1 there is a performance gap which varies by
2 geographic regions, but there's little data at
3 the present time to be able to point to that
4 issue.

5 CHAIR YAWN: But they must be
6 really good because they quoted me.

7 (Laughter.)

8 DR. O'CONNOR: I did note that.

9 CHAIR YAWN: You are very smart.
10 You checked that, didn't you?

11 Uh-huh. Go on. That is not a
12 measure of performance, I have to tell you.
13 Only an opinion paper.

14 DR. O'CONNOR: So I scored that a
15 "P" on this particular issue because I think
16 that there is, while we believe there is,
17 there isn't data to support it quite yet.

18 CHAIR YAWN: So expert opinion is
19 high, but --

20 DR. O'CONNOR: Yes.

21 CHAIR YAWN: -- expert only gets us
22 "P"?

23 DR. O'CONNOR: Exactly.

24 1c, outcome or evidence to support
25 the measure focus. I am going to have to
26 defer to Dr. Millard. I did note here that in
27 the Goldstein paper they quote outcomes,
28 including a 38-meter increase in the six-
29 minute walk. Yet, the measure suggests a 54-
30 meter measurement cutoff for improvement. I
31 wasn't quite sure why the change was made from
32 38 meters to 54 meters.

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1 DR. BAULDOFF: Oh, sorry.

2 DR. HAMM: We are having a lot of
3 trouble following.

4 CHAIR YAWN: Right here it says
5 that the evidence, you summarize the evidence
6 of that 38 meters increase in six-minute walk
7 from this article.

8 DR. O'CONNOR: Yes, it is a
9 randomized controlled trial.

10 CHAIR YAWN: Right. Do you have
11 other articles that say 54 --

12 DR. BAULDOFF: Yes. That's
13 Redelmeier.

14 CHAIR YAWN: -- is a better
15 measure?

16 DR. BAULDOFF: Redelmeier is the
17 one that is most consistently cited.

18 CHAIR YAWN: Okay.

19 DR. MILLARD: Well, but that is
20 minimum clinical significance.

21 DR. BAULDOFF: Okay.

22 DR. MILLARD: That is not outcomes
23 in pulmonary rehab programs. The discussion
24 comes back to haunt us because, previously, in
25 the HQL, whatever, HRQOL, we used the minimum
26 level of significance as the benchmark.
27 Unfortunately, when you look at mean data on
28 pulmonary rehab programs, improvements in the
29 six-minute walk, which points out the problem
30 of the six-minute walk, it is almost all of
31 the programs reported improvements below the
32 minimum clinical significance.

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1 DR. O'CONNOR: Which is 38 meters?

2 DR. MILLARD: Which is 54 meters.

3 DR. O'CONNOR: Fifty-four meters?

4 CHAIR YAWN: But what article does
5 that come from?

6 DR. BAULDOFF: It comes from
7 Redelmeier. The 38 comes from Goldstein.

8 DR. O'CONNOR: Redelmeier isn't
9 quoted here.

10 CHAIR YAWN: Okay. I don't see
11 Redelmeier.

12 DR. O'CONNOR: One of the issues I
13 struggled with here in this 1c is that I
14 couldn't find evidence for why the 54-meter
15 distance was being recommended, when the only
16 quote was the 38-meter difference as a
17 significant improvement outcome.

18 DR. BAULDOFF: Right.

19 DR. O'CONNOR: So I gave that a "P"
20 myself.

21 All right. The next one, we go to
22 2a, precisely specified the number of
23 patients --

24 CHAIR YAWN: Wait a minute. So,
25 overall, are there any other overall
26 weaknesses or strengths that you wanted to
27 comment on 1? Do you think you have covered
28 them all in your comments so far?

29 DR. O'CONNOR: Yes.

30 CHAIR YAWN: Dr. Millard, do you
31 have any other?

32 DR. MILLARD: Well, I mean, the

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1 weakness is that the benchmark, where it is
2 54, the current published data on pulmonary
3 rehab programs do not meet minimum level of
4 clinical significance, and it is not likely
5 that they ever will.

6 CHAIR YAWN: So you believe we
7 would assume that only 30 percent or less,
8 perhaps, of people will ever be able to reach
9 this benchmark?

10 DR. MILLARD: What I don't know is
11 the percent.

12 CHAIR YAWN: Yes, I don't know,
13 either, but I am guessing. I was just making
14 a guess.

15 So you believe, if you set this
16 high, that it will always be less than 50
17 percent? We can say that at least probably?
18 We don't know what the medium is, but we will
19 assume the medium and median are similar.
20 They may not be.

21 DR. O'CONNOR: The other question
22 is, if you look at our frequency distribution
23 curve for pulmonary rehab units, do you have
24 some rehab centers that are consistently
25 showing superior results in this compared to
26 those who don't? It sounds like none of them
27 met the 54-meter requirement. Is that what
28 you said, Mark?

29 DR. BAULDOFF: I would say one of
30 the best ones is at UCSD, and if they are not
31 meeting it, nobody is meeting it.

32 CHAIR YAWN: Well, they aren't

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1 meeting it as an average.

2 DR. O'CONNOR: Yes.

3 CHAIR YAWN: And we don't know what
4 the percent of patients that meet --

5 DR. MILLARD: The frequency
6 distribution. I mean there is probably a
7 better metric that is more sensitive to
8 improvements in pulmonary rehab, as it turns
9 out, which is a constant low endurance time.

10 CHAIR YAWN: So, again, we have an
11 untested measure, but the literature suggests
12 that the studied rehab programs cannot meet
13 this as a mean improvement.

14 MS. PACE: So how did 54 get
15 established as the clinically-significant
16 improvement?

17 CHAIR YAWN: Well, that is totally
18 separate from how you would decide how much
19 you can do.

20 DR. MILLARD: The six-minute walk
21 distance is used in a lot of other disease
22 entities besides --

23 MS. PACE: Right, right. So you
24 are saying that 54 is not specific to COPD?

25 CHAIR YAWN: Oh, I think it is. It
26 is --

27 MS. PACE: Okay. All right.

28 CHAIR YAWN: -- specific to COPD.
29 But what they said was, if you can't improve
30 by 54 meters, then it doesn't improve your
31 life outside of this.

32 MS. PACE: Okay. All right.

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1 CHAIR YAWN: So they looked at
2 things like your ability to shop, your ability
3 to --

4 MS. PACE: Right. Okay.

5 CHAIR YAWN: -- do activities of
6 daily living, and things like that. If you
7 couldn't do a 54 improvement, you didn't
8 improve those other things.

9 MS. PACE: Okay.

10 CHAIR YAWN: That is how they
11 validated the minimal clinically-significant
12 difference.

13 MS. PACE: Right. Good. Okay.

14 DR. O'CONNOR: Okay. Move on to 2?

15 MS. PACE: Well, I think that is a
16 huge question of whether it should even move
17 on to No. 2. Because if you are saying that
18 is a benchmark that is not relevant, then the
19 question is, should we even care about how it
20 is measured? Because what's the purpose?

21 CHAIR YAWN: Well, because we don't
22 have the frequency distribution, we really
23 don't even have a good idea if 10 percent of
24 the patients meet it, 30 percent, 20 percent.

25 We know it is less than 50 for sure probably.

26 So what do you think? Is this a
27 measure that we should go forward and do all
28 of the rest of the assessment on?

29 MS. PACE: Because the importance
30 deals with high-impact area, which I think you
31 have all agreed. Is there an opportunity for
32 improvement? Which, basically, you are saying

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1 we have no idea.

2 Then the third area is the
3 evidence. I am hearing that there is a lot of
4 evidence that this isn't even attainable.

5 DR. O'CONNOR: That is the
6 weakness. I mean she summarized it.

7 MS. PACE: I'm sorry. Okay. I'm
8 sorry.

9 All we are asking the TAP to do is
10 point out these things. It will, ultimately,
11 be the Steering Committee --

12 CHAIR YAWN: Yes.

13 MS. PACE: -- that makes the
14 decision.

15 CHAIR YAWN: So we really have to
16 go through them --

17 MS. PACE: Yes.

18 CHAIR YAWN: -- even though we
19 think --

20 MS. PACE: Yes.

21 DR. O'CONNOR: As the Chair would
22 say, as it is written.

23 MS. PACE: Right.

24 CHAIR YAWN: So the importance
25 should go to what then? What level of
26 importance do you want to say, "C", "P", "M",
27 or "N", based on what --

28 MS. PACE: Well, it is not an
29 overall. That is for the Steering Committee.

30 So what we are asking the TAP to do is to
31 tell us whether it is high impact, which I
32 think you are saying is "C"; opportunity for

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1 improvement, I think you are saying "P" or "M"
2 because there is no information.

3 CHAIR YAWN: Actually, I am going
4 to go back to the fact, for the overall
5 impact, because we aren't measuring the people
6 who dropped out, I am going to a "P". Would
7 that be acceptable to the rest of you, to say
8 importance is "P"?

9 MS. PACE: For the high impact?

10 CHAIR YAWN: For the high impact,
11 it is "P".

12 MS. PACE: High impact, "P".

13 CHAIR YAWN: Okay. Then, I'm
14 sorry, go ahead. Go down, please, to 1b, so
15 we can get that.

16 Opportunity for improvement, what
17 are we saying it is? We don't know.

18 DR. O'CONNOR: I have recorded that
19 as a "P" because we don't have any data on the
20 performance gap.

21 CHAIR YAWN: But are you willing to
22 go "P" or do you want to go lower because of
23 the concern that, so far, the programs can't
24 meet that, we don't think?

25 DR. O'CONNOR: Well, it is just
26 that piece of data.

27 CHAIR YAWN: Well, the 54 and the
28 38, we do know there's something.

29 MS. PACE: Let me explain, too,
30 what the scores mean. "N" means not at all,
31 not addressed, incorrectly addressed, or not
32 demonstrated to meet the criterion.

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1 So, if you think, based on your
2 judgment, that -- so having no information
3 would actually be an "N". But if you think
4 that, from your judgment, that there is some
5 evidence or --

6 CHAIR YAWN: Well, there is some
7 evidence, but the evidence suggests that it
8 didn't meet that criteria. So that would
9 still push it back to "N", wouldn't it?

10 DR. NEFF: It is like the concept
11 of studying the six-minute walk is more solid
12 than the goal measurement. If it hadn't
13 really kind of had that high of a reach, we
14 would probably be saying this is all very
15 doable.

16 CHAIR YAWN: So 34, 30, or
17 something.

18 DR. NEFF: Right.

19 CHAIR YAWN: But then we say it is
20 not clinically-significantly different. Then
21 we have that problem.

22 DR. NEFF: Correct.

23 CHAIR YAWN: So, either way, we
24 have a big problem.

25 MS. PACE: So is there any
26 evidence, either demonstrated -- I mean we
27 don't have it here. Opportunity for
28 improvement, the performance gap, we don't
29 know, is basically what I am hearing you
30 saying.

31 And the evidence for the 54, under
32 1c, is also --

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1 DR. O'CONNOR: I am not sure where
2 the number comes from, although the ATS
3 article that Mark has -- read that sentence,
4 Mark.

5 DR. MILLARD: Well, "The clinical
6 relevance of the benefit of pulmonary rehab is
7 illustrated by the improved functional
8 capacity, as measured by the six-minute walk
9 test. The pooled effect size of all
10 randomized controlled studies in the results
11 of pulmonary rehab is 49 meters with a 95
12 percent confidence of 26 to 72. The minimum
13 clinical importance difference in the six-
14 minute walk test has been estimated to be 54
15 meters."

16 And that reference is, to answer
17 the question of where did that come from --

18 DR. BAULDOFF: Redelmeier 1997.

19 DR. MILLARD: Yes, Redelmeier 1997.
20 You got it.

21 CHAIR YAWN: So where do we want to
22 go with this?

23 MS. PACE: Well, the question is,
24 has it met the criteria, and to what level?
25 Completely? Partially? Minimally? Or not at
26 all?

27 CHAIR YAWN: Okay. We are going to
28 make you say something.

29 DR. O'CONNOR: Well, the 54-
30 meter -- and you're looking at me?

31 CHAIR YAWN: Yes.

32 (Laughter.)

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1 DR. O'CONNOR: Yes. Oh, I'm sorry.
2 The 54-meter is an estimate of
3 minimally clinically-significant difference.
4 I am not sure what data that is based upon
5 because it is an estimate, where in the actual
6 study the average was 49 meters.

7 CHAIR YAWN: Yes, but that is
8 totally different.

9 DR. O'CONNOR: I know. So what
10 percentage of patients actually achieved 54
11 meters or greater? Anybody have any clue?
12 Because that is the important question.

13 DR. NEFF: Whether it is achievable
14 or not.

15 DR. O'CONNOR: Yes.

16 DR. NEFF: And is there data to
17 support it?

18 DR. O'CONNOR: Exactly.

19 CHAIR YAWN: So, right now, we have
20 no data to support it.

21 DR. O'CONNOR: I have no data.

22 CHAIR YAWN: So doesn't it have to
23 be an "N"?

24 DR. O'CONNOR: I think, given the
25 definition that she described it as, yes.

26 CHAIR YAWN: Okay. Anybody want to
27 make it something else?

28 I mean please realize that this
29 doesn't mean that they can't go back and
30 change the measure and submit it again. We
31 are not telling them go away forever. We may
32 just be saying, right now, this one doesn't

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1 work the way it is.

2 DR. O'CONNOR: Because there is
3 disconnect; 37 meters, 49 meters, 54 meters.

4 CHAIR YAWN: Yes. So we don't know
5 what's what.

6 DR. O'CONNOR: Exactly.

7 DR. MILLARD: You know, I think
8 just the way it was written, again, the
9 earlier one really should have been written as
10 quality of life should be measured, health-
11 related quality of life should be measured
12 only if rehab programs has an outcome, rather
13 than say this is the benchmark for
14 distinguishing between success. Likewise, you
15 should say there should be physical assessment
16 measurements in pulmonary rehab. The six-
17 minute walk, constant low endurance, but
18 that --

19 CHAIR YAWN: Yes, but that is not
20 really an outcome. That is a process measure.

21 MS. PACE: That would be a process
22 measure.

23 DR. MILLARD: I understand. I
24 understand.

25 CHAIR YAWN: They would require it
26 to be outcome. Okay.

27 DR. O'CONNOR: If you look at, in
28 measurement -- I mean diabetes is the best
29 example that Mark and I were discussing
30 earlier. Fifteen years ago, we were happy to
31 measure what proportion of patients actually
32 had an A1C measured.

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1 CHAIR YAWN: Right.

2 DR. O'CONNOR: Then we went to what
3 proportion are well-controlled, adequately
4 controlled. And we are now at superbly
5 controlled. And now we have bundled them, and
6 there are five measures, and you're either
7 excellent or not.

8 So we have seen this shift. So,
9 starting with COPD as a process measure
10 doesn't bother me very much because we have to
11 start somewhere.

12 CHAIR YAWN: Well, but that is not
13 what our --

14 DR. O'CONNOR: I know.

15 CHAIR YAWN: I think that is part
16 of the context that we will give back to the
17 Steering Committee, is that it is very early
18 in its expansion to being a major
19 intervention.

20 DR. O'CONNOR: And that being ahead
21 of the curve is a good thing.

22 CHAIR YAWN: Yes. It gives some
23 time to come back when we are ready.

24 DR. NEFF: So what is the form for
25 the valuable process measures? I mean we are
26 not getting too far off-topic. I mean I
27 understand the need to be constrained, but,
28 also, you hate to think you are being
29 constrained just by external constraints, and
30 there are good ideas out there that are just
31 getting --

32 CHAIR YAWN: Well, there are other

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1 times that process measures are called for.
2 Actually, if you go through all of the process
3 measures of NQF, they do have process
4 measures, lots of them.

5 DR. NEFF: Yes, but I just mean
6 sort of contemporaneously, you know.

7 DR. MILLARD: And a suggestion,
8 just a suggestion for a better outcome
9 measurement, at least if you read the
10 literature on pulmonary rehab, would be a
11 constant low endurance time. Because that has
12 been shown to be much more sensitive to
13 changes in pulmonary rehab than the six-minute
14 walk.

15 CHAIR YAWN: Well, and is it, then,
16 directly related to the patient's life?

17 DR. MILLARD: It has, well --

18 CHAIR YAWN: Yes. See, that is
19 where we get --

20 DR. BAULDOFF: I come at it from
21 Barbara's standpoint. To do that is very
22 different than --

23 DR. MILLARD: Yes, yes, the six-
24 minute walk, yes.

25 CHAIR YAWN: Yes. Okay. Let's go
26 ahead, please.

27 DR. O'CONNOR: Okay. We were at 2a
28 then?

29 CHAIR YAWN: Yes, we are.

30 DR. O'CONNOR: Is it precisely
31 specified? Sure, COPD, NPR, who have achieved
32 at least 54 meters, it is very precisely --

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1 CHAIR YAWN: Okay.

2 DR. O'CONNOR: So I would give that
3 a "C".

4 CHAIR YAWN: So that one is a "C".

5 DR. O'CONNOR: Yes. Let's see.

6 CHAIR YAWN: 2b.

7 DR. O'CONNOR: Reliability testing.

8 CHAIR YAWN: It doesn't mean we
9 like all of these.

10 DR. O'CONNOR: Yes, I know. Is it
11 reproducible?

12 CHAIR YAWN: It just means that it
13 is.

14 DR. O'CONNOR: Yes. According to
15 the data, you know, looking at what they
16 provided, the developers have provided, it
17 would seem to be a reliable measure that is --

18 CHAIR YAWN: Yes.

19 DR. O'CONNOR: It had a correlation
20 of .88.

21 CHAIR YAWN: That is pretty high
22 ICC.

23 DR. O'CONNOR: Exactly, yes.

24 CHAIR YAWN: So, okay. So that one
25 gets a "C".

26 DR. O'CONNOR: And 2c, validity
27 testing. I've got "C" here. It was based on
28 a study of 60 patients. That is an incredibly
29 small number of patients to hang your hat on.

30 So I will defer to my pulmonary colleagues on
31 this one. I don't know if this really --

32 CHAIR YAWN: Well, then, they were

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1 also patients with end-stage lung disease.

2 DR. MILLARD: What are you testing
3 the validity of? The use of 54 --

4 CHAIR YAWN: I don't know. Tell us
5 what --

6 DR. NEFF: It is just a
7 physiologic, right? A six-minute walk to --
8 maximum of two -- that's it.

9 MS. PACE: So this doesn't do what
10 you were talking about earlier, about
11 connecting that to quality of life or function
12 then?

13 CHAIR YAWN: No. So "P" or "M"? I
14 don't think it can be a "C" with 60 end-stage
15 lung patients only, and not talking about what
16 it meant for the rest of their life, and the
17 fact that we used pulmonary rehab in patients
18 with other than end-stage lung disease.

19 So what would you like it to be?

20 DR. O'CONNOR: I would give it a
21 "P".

22 CHAIR YAWN: All right. It sounds
23 great.

24 DR. O'CONNOR: And exclusions
25 justified, I think everything we talked about
26 before applies here. So I gave that a "C".

27 CHAIR YAWN: Yes, the only
28 exclusion that they do have and they don't say
29 explicitly is the people who don't complete
30 all get thrown out, and we have talked about
31 that. So, okay.

32 DR. O'CONNOR: 2e, risk adjustment,

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1 that is not applicable to this discussion.

2 2f, identification of meaning
3 differences --

4 CHAIR YAWN: And it is not
5 applicable, but -- or it is applicable, but
6 the same things we said before apply this
7 time, too.

8 DR. O'CONNOR: Yes.

9 CHAIR YAWN: Okay.

10 DR. O'CONNOR: Yes.

11 CHAIR YAWN: As "see below"?

12 DR. O'CONNOR: Yes, a better way to
13 put it.

14 2f, identification of meaningful
15 difference in performances. A hundred and
16 twelve patients with stable, severe COPD, half
17 of whom would increase the patient's
18 perception of clinically-minimum increases the
19 data, determined to be 54 meters.

20 Again, it is 112 patients. So it
21 is not a huge number of patients. And I don't
22 get a sense of what percent of patients
23 actually accomplished the 54 meters. So I
24 gave that a "P".

25 MS. PACE: Right. And again, this
26 doesn't address the -- overall, these things
27 are still at the instrument level versus the
28 overall measure --

29 CHAIR YAWN: Yes, the overall
30 measurement. Okay. So "P".

31 DR. O'CONNOR: And g, comparability
32 of multiple data sources and methods.

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1 MS. PACE: It is probably not
2 applicable.

3 DR. O'CONNOR: Yes. I would agree
4 with that.

5 Let me see here.

6 MS. PACE: What this is getting at
7 is, which doesn't apply to this so much, but
8 say you have a measure where you say you've
9 got these specifications if you do a chart
10 abstraction, and you have these other
11 specifications of you take it from claims
12 data. And the question is, will you get
13 comparable scores?

14 CHAIR YAWN: Are they comparable?

15 MS. PACE: But it is not really
16 applicable.

17 CHAIR YAWN: Right, because you
18 would write down how far they walked, no
19 matter where you get it from. So we can say
20 not applicable and you'll accept that?

21 MS. PACE: I think so.

22 CHAIR YAWN: Okay. Disparities in
23 care.

24 DR. O'CONNOR: The one disparity
25 they talk about is that fewer than half of the
26 COPD patients have been diagnosed, but that is
27 not really relevant because you are only
28 measuring the program, people in a PR program
29 anyway. So I am not sure disparity here is
30 applicable. I gave it an "NA".

31 MS. WINKLER: Is there any question
32 about equal access to pulmonary rehab programs

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1 that might be along these kinds of lines?

2 CHAIR YAWN: But if this is a
3 measure of people who had access already, then
4 that doesn't matter. So, if you already have
5 access, you know, are women and men and high-
6 and low-income people or different ethnicities
7 likely to have different outcomes because of
8 those issues?

9 DR. MILLARD: Well, the disparity
10 of care, ironically, at least in our area, our
11 local CMS, had always approved pulmonary
12 rehab. So we have always had it. But,
13 ironically, private insurance would not.

14 CHAIR YAWN: Yes. So there was a
15 disparity, but it was backwards.

16 (Laughter.)

17 And it was before this measure
18 would be applicable that the disparities
19 should be seen, which is a weakness of this
20 measure. We have already talked about that.

21 Okay, 3.

22 DR. O'CONNOR: Three, usability.
23 Is it meaningful, understandable, and useful?
24 The six-minute walk is a six-minute walk.
25 So, from that perspective, yes, it is very
26 understandable? Is it useful information? I
27 think it is currently employed by all
28 pulmonary rehab programs. So I gave it a "C".

29 CHAIR YAWN: Do you think it is
30 understandable to the average public?

31 DR. NEFF: You walk for six minutes
32 and you count how far you go. So, I mean, it

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1 is actually one of the few things that people
2 can understand.

3 CHAIR YAWN: Yes. No, I just
4 wanted to make sure because you had only
5 commented on health professionals. I just
6 wanted --

7 DR. NEFF: We'll see you in six
8 minutes.

9 CHAIR YAWN: You can walk farther
10 if you go to this program, and that must be
11 good.

12 DR. O'CONNOR: 3b, harmonization.
13 I don't think that is an issue. It doesn't
14 apply here. I scored that as an "NA". I
15 don't know whether endorsed recommendations
16 currently create harmonization issues.

17 3c, distinctive or additive value.

18 CHAIR YAWN: Since there aren't any
19 measures otherwise?

20 DR. O'CONNOR: Exactly. I gave
21 that a not applicable.

22 CHAIR YAWN: Sounds good.

23 DR. O'CONNOR: And feasibility,
24 everything that we talked about before applies
25 here because of the electronic health
26 retrieval challenges that are faced. It is
27 the same issue that we talked about in --

28 CHAIR YAWN: So what did we give
29 it? We didn't give the other one actually
30 anything. Do we give them "P"? What do we
31 do?

32 MS. PACE: On the feasibility?

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1 CHAIR YAWN: Yes.

2 DR. O'CONNOR: Yes, because they
3 admit here, coding and abstraction are
4 performed by someone other than the person
5 obtaining the original information. I mean,
6 if one of the goals is to move to using
7 measures that only can be retrieval
8 electronically, then it fails that test.

9 CHAIR YAWN: Well, but if they have
10 their registries and potential -- I mean they
11 have suggested solutions. So that was why I
12 was --

13 DR. O'CONNOR: Yes. I think that
14 you could probably score it as an "M" with an
15 explanation.

16 CHAIR YAWN: I have no problem with
17 that.

18 DR. O'CONNOR: As the Chair said
19 earlier, as the measure is written currently.

20 CHAIR YAWN: Right. Right. Okay.
21 So is there any more? Usability?
22 Don't we have usability?

23 MS. WINKLER: We already did it.

24 CHAIR YAWN: Oh, we did it? Oops,
25 I'm sorry.

26 MS. WINKLER: Those are the three.

27 CHAIR YAWN: Oh, those are the
28 three. I will get this down in a minute. One
29 is importance. Two is science. Three is use,
30 and four is feasibility. I'm getting there.

31 Okay. Thank you. That was very
32 thorough, I think.

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1 DR. O'CONNOR: Dr. Millard was the
2 canary we sent into the mines, though.

3 DR. MILLARD: The only question I
4 have about feasibility is, when it says,
5 "extent to which required data are readily
6 available, retrievable, without undue burden,"
7 and then, "can be implemented for performance
8 measurement". Now we have already decided
9 that performance measurement, if this is a
10 performance measurement, the majority of
11 programs, what we find, don't work. I mean I
12 don't hit the performance measurement.

13 CHAIR YAWN: Well, but isn't that
14 what we said -- well, you could put again
15 here, too.

16 DR. MILLARD: I mean that is part
17 of feasibility.

18 CHAIR YAWN: Uh-hum. So that would
19 take feasibility down to -- what would you
20 like it to take it to, "M"?

21 DR. MILLARD: Well, if that is --

22 CHAIR YAWN: Or do you want an "N"?

23 DR. MILLARD: If it is times zero,
24 it will be "N".

25 CHAIR YAWN: Okay, let's do "N"
26 then. I have no problem with that specific
27 statement: this is why it moved from "M" to
28 "N".

29 MS. PACE: But you are saying, your
30 statement is because the majority of programs
31 cannot meet that 54-meter benchmark?

32 DR. MILLARD: Because the mean

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1 programs don't --

2 MS. PACE: Right. Okay.

3 DR. MILLARD: -- don't meet that.

4 CHAIR YAWN: Well, and these are
5 not the mean programs. These are the programs
6 who are in randomized controlled trials, so
7 tightly controlled nobody can do what they can
8 do. So this is efficacy moves to
9 effectiveness. We know it brought it up by 50
10 percent.

11 DR. MILLARD: Eight out of 14
12 programs reported in the literature did not
13 meet.

14 CHAIR YAWN: Yes. So, okay. All
15 right.

16 MS. FORMAN: Okay. The next one is
17 023, intensive care length of stay.

18 CHAIR YAWN: Okay. We've got a
19 change in groups. So you didn't get to give
20 us any information before. Were you where
21 they gave their explanation?

22 Okay. So what we want is a short
23 explanation of where did this measure come
24 from and why do you have it, and on what
25 basis?

26 Is that close enough to -- yes,
27 please.

28 MR. DUDLEY: Okay.

29 CHAIR YAWN: Did you introduce
30 yourself to the people over here?

31 MR. DUDLEY: I did, but I will do
32 it again.

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1 CHAIR YAWN: Please.

2 MR. DUDLEY: I am Adams Dudley from
3 UCSF. I am a pulmonary doc out there, but I
4 spend most of my time developing measures of
5 performance and --

6 CHAIR YAWN: No wonder we don't
7 have any pulmonologists anymore. you guys are
8 all doing -- would you go back to doing
9 pulmonology, please?

10 Go right ahead. Sorry.

11 MR. DUDLEY: No problem.

12 I founded and run the chart program
13 which produces calhospitalcompare.org. As
14 part of what we do there, we have 246
15 hospitals in California, and we measure ICU
16 performance.

17 However, ICU performance measures
18 are not new when CHART started. In fact, we
19 have needed risk-adjusted ICU mortality
20 measures and other ICU outcome measures for
21 decades, and they have been around for
22 decades. So the first versions of the models
23 that I am proposing to you today actually came
24 out of the 1980s.

25 CHAIR YAWN: Thank you. All right.

26 MR. DUDLEY: So, when we started
27 measuring performance in California, our
28 program was voluntary. We had to get the
29 hospitals together to get them to agree with
30 other stakeholders of what should be measured
31 and that it could be measured adequately.

32 I, at that time and still now, was

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1 on the Joint Commission's Intensive Care Unit
2 Performance Assessment Committee. The Joint
3 Committee was getting that measure set ready,
4 and we adopted something. We adopted it,
5 basically, what it was at that point.

6 We, since then, have added the
7 risk-adjusted length-of-stay measure. We
8 today are presenting from that group of
9 measures only the outcomes measures. So it is
10 the risk-adjusted mortality and risk-adjusted
11 length of stay.

12 The model that we have been using
13 in California is the mortality prediction
14 model. We have now gone up to the third
15 version. That was based on work that we did
16 where we first compared all extant models of
17 APACHE/SIMS and found that, for the purposes
18 of assessing hospital performance, it didn't
19 terribly much matter which model you used; you
20 got the same ratings and rankings for
21 hospitals regardless of model.

22 But we also addressed the issue of
23 how much time and effort it took to obtain the
24 data, and the model that we used, the MPM
25 model, required about less than a third of the
26 time required to collect the APACHE data and
27 about half the time to collect SIMS.

28 So, now, it is up. It is publicly
29 reported. We have 246 hospitals that
30 volunteered to do this with us. Not all of
31 them, but almost 200, a few over 200 have
32 ICUs, and they are doing this on 400 patients

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1 per year.

2 And I'll stop there.

3 CHAIR YAWN: And they are all in
4 California still? Thank you.

5 MR. DUDLEY: They are all in
6 California.

7 CHAIR YAWN: Yes. Now there's
8 nothing wrong with California.

9 (Laughter.)

10 MR. DUDLEY: Okay.

11 DR. O'CONNOR: You, apparently,
12 haven't talked to our budget people, have you?

13 MR. DUDLEY: Yes. We need you in
14 the legislature then.

15 DR. O'CONNOR: Yes.

16 CHAIR YAWN: There is nothing wrong
17 with California assessing its quality of care.
18 How's that?

19 (Laughter.)

20 That's what I really meant. I am
21 not going anywhere near their politics, and
22 I'm sure you don't want to, either.

23 All right. Very good.

24 I am going to assume, a wild guess,
25 that you might have been a reviewer on this
26 one.

27 DR. NEFF: I was.

28 CHAIR YAWN: Even a primary, huh?

29 DR. NEFF: I was. How about that?

30 (Laughter.)

31 CHAIR YAWN: And the secondary?

32 MS. FORMAN: Is Dr. Lewis, and his

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1 is on the screen.

2 CHAIR YAWN: Okay. Great. Thank
3 you.

4 DR. NEFF: And then we are flipped
5 for the other one. He was doing the first,
6 though.

7 CHAIR YAWN: All right.

8 DR. NEFF: I think some of the
9 actually input that you have may answer a few
10 of the question as we are going through. So
11 this will be good.

12 I think, just summarizing, and
13 correct me if I've got any of this wrong, but
14 I think the nice thing about this is it is
15 sort of using ICU length of stay in a way as
16 kind of a surrogate as well for ICU resource
17 use, quality of care, efficiency of care. I
18 mean that is really kind of what we are
19 getting at the heart of it.

20 This is presenting a modification
21 of a model, as you have described, that is
22 already there and is modified for contemporary
23 kind of mortality assessments, as relevant to
24 really the ICU environment, not just hospital
25 mortality.

26 Then using the other sort of
27 attachment as the ICU outcomes data collection
28 instrument, which they provided as well, which
29 is what would be the data collection piece.
30 And I don't know if that was already out there
31 for the prior or if this was developed just
32 for this piece, to the round 3 modified,

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1 MPM-III.

2 MR. DUDLEY: No, that is an
3 evolution.

4 DR. NEFF: Okay.

5 MR. DUDLEY: So, when we built it
6 the first time, it was with MPM-II, which we
7 got from the original.

8 DR. NEFF: Yes.

9 MR. DUDLEY: Then this is a
10 modification of that.

11 DR. NEFF: Including the data
12 collection?

13 MR. DUDLEY: Yes. I don't know if
14 you guys ever consider or talk about two at
15 the same time, but this and the next measure
16 come from that same forum.

17 DR. NEFF: Yes.

18 CHAIR YAWN: Yes. Well, you can
19 see, we sort of, the last measures sort of
20 overlapped, and the others that we are going
21 to talk about overlap greatly.

22 MR. DUDLEY: Okay.

23 CHAIR YAWN: So sometimes we will
24 spend a lot of time on the first one, and the
25 second one we say, "as above".

26 Okay. So this one is the length of
27 stay?

28 DR. NEFF: This is the length of
29 stay, and the reason we are hearing kind of
30 the mortality talk is more because that is the
31 prediction model that was used kind of really
32 to help them risk-stratify for the ICU. So

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1 that this is all about the ICU length of stay,
2 and the mortality is to come.

3 CHAIR YAWN: Okay. And my first
4 question is, is length of stay an outcome?

5 DR. NEFF: It is.

6 CHAIR YAWN: Okay. No, I'm just
7 asking.

8 DR. NEFF: Yes, yes. No, no, no.
9 Well, no, I actually had to think about first,
10 I think. Yes. Yes, it is not one that is
11 maybe as readily understandable to you, unlike
12 a six-minute walk, which people can
13 understand, but if you do kind of describe it
14 to how long you are in the hospital.

15 MS. PACE: It is kind of a proxy
16 for, like you say, complications, management,
17 et cetera.

18 CHAIR YAWN: But I think we have to
19 be able to justify that to the Steering
20 Committee.

21 MS. PACE: Right, exactly.

22 CHAIR YAWN: Because I can see
23 several of them saying, wait a minute, that's
24 a process measure.

25 MS. PACE: Right.

26 CHAIR YAWN: So we are saying it is
27 a proxy measure for how well the patients do.

28 MS. PACE: Yes, and I think, I mean
29 at least as I was kind of running through the
30 list and thinking about it kind of in a more
31 rigorous way, it is about kind of resource
32 use. So it is kind of a cost-related issue,

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1 but then it is about quality of care,
2 efficiency of care, I mean all those things
3 that then combine in one some sort of outcome,
4 which would be your length of stay. So all
5 those would come together.

6 DR. O'CONNOR: Your viewpoint is
7 that it is an outcome measure?

8 DR. NEFF: Yes.

9 MR. DUDLEY: Yes.

10 CHAIR YAWN: And the other is that
11 it is better not to be in the ICU than to be
12 in the ICU from the patient perspective. No,
13 I mean I think that is perfectly justifiable.

14 MS. WINKLER: Yes, yes, unless you
15 need to be in the ICU. Then it is a good
16 thing.

17 CHAIR YAWN: Well, yes, I know, but
18 you want to be well enough to not be in the
19 ICU.

20 DR. NEFF: And you want to get out.
21 When you are there, you want to get out.

22 CHAIR YAWN: Yes, you do.

23 DR. NEFF: Out and alive.

24 CHAIR YAWN: Thank you.

25 DR. NEFF: Yes.

26 CHAIR YAWN: I just wanted to make
27 sure we could justify that to the Steering
28 Committee.

29 DR. NEFF: I think, as we kind of
30 start ticking through the issues in terms of
31 whether, for 1a, whether it is important and
32 is really describing sort of a high-impact

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1 area, I think they did a nice job of actually
2 sort of accounting for certainly the cost
3 perspective. I mean I think, again, it is a
4 surrogate in some ways of quality and
5 effectiveness and all these other things, but
6 really not only number of people are affected,
7 but high percentage of total hospital cost.
8 However you slice this, it ends up being high-
9 impact, whether it is number of people, cost,
10 social toll, and, you know, all those sorts of
11 things.

12 So I think, for me, got a "C",
13 which is a good thing. I kind of like "A's",
14 but we don't have "A's" on this. "C" is good.

15 (Laughter.)

16 This whole thing, my whole brain is
17 going to have to get reworked. Okay.

18 And then b, sort of the opportunity
19 for improvement. There has been established,
20 certainly, variation in ICU length of stay
21 certainly within regions across the country.
22 So the ability to sort of document that and
23 then allow some public reporting and tracking,
24 so that you could actually benchmark yourself
25 against other equivalent hospitals, whether it
26 is all academic centers, community centers, I
27 think there would be a lot of ability
28 nationally to be able to do that. So I
29 thought that was on target.

30 CHAIR YAWN: And there is national
31 data, not just California-based data?

32 DR. NEFF: There is national data.

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1 CHAIR YAWN: Thank you.

2 DR. NEFF: Yes. About variation
3 and ICU length of stay?

4 CHAIR YAWN: Yes.

5 DR. NEFF: Yes, yes. It is just
6 better described in California.

7 CHAIR YAWN: Oh.

8 DR. NEFF: Yes. No, absolutely.

9 CHAIR YAWN: But we didn't want to
10 have to compare all of those against
11 California all the time.

12 DR. NEFF: No. No, we would like
13 to be able to do a whole range.

14 CHAIR YAWN: Yes, that's fine.

15 DR. NEFF: And then, let's see, the
16 part c, outcome or evidence to support measure
17 focus. I think here sort of the ability to
18 say that this outcome, we are kind of getting
19 back I think at the same question, whether it
20 is an outcome or not. I think the ability to
21 invoke efficiency and quality, and then
22 compare it between sites, I think made it a
23 relevant measure and focus.

24 I am just seeing I actually put it
25 as a "P". I am just trying to remember why I
26 did. Sorry.

27 I think, actually, because at that
28 point I was sort of thinking about it more as
29 a summation, as opposed to a single sort of
30 getting at this issue as an outcome or a sum
31 of things that ends up being the outcome. So
32 it kind of slid a little bit off of a "C" to

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1 me, but it really is getting at the same
2 measure that we were talking about.

3 CHAIR YAWN: So you are pretty
4 comfortable with it as a "C"?

5 DR. NEFF: Absolutely.

6 CHAIR YAWN: Okay. All right.

7 DR. NEFF: Then I don't know how we
8 compile here with --

9 CHAIR YAWN: He had a "C" also.

10 MS. FORMAN: He had a "C" for
11 everything.

12 CHAIR YAWN: Yes. He is a "C" guy.
13 (Laughter.)

14 DR. NEFF: Yes, I know. It is kind
15 of like how you score, how you do evaluations.

16 CHAIR YAWN: Although we do want to
17 make sure we talk about the strengths and
18 weaknesses a little bit because those are
19 important.

20 DR. NEFF: Yes.

21 CHAIR YAWN: So, yes, he's got the
22 same comments that you made about there is
23 good that it varies and, yes, this is
24 important.

25 The weaknesses, there are
26 confounders. Okay.

27 Yes, I had this question, the e,
28 the step-down beds. I work in a smaller
29 hospital. We don't have step-down beds. Our
30 patients have to stay in the ICU until they
31 are ready to go out to the floor. How does
32 that affect this measure?

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1 DR. NEFF: I kind of had this same
2 issue that sort of threads its way through all
3 of this. How are we describing an ICU? How
4 your hospital is set up, that infrastructure,
5 impacts a great deal, whether it is step-down
6 bed availability, boarding because you are too
7 full to get people out of ICU. You can't get
8 people in the ED yet.

9 It is valid as long as everybody
10 has similar issues or in tracking over time,
11 but is that a chunk of this that there is a
12 way to assess or is this measure hurt by the
13 lack of that, I think is a concern.

14 CHAIR YAWN: So, within your
15 hospital, tracking over time probably is okay
16 because it may not change too much.

17 DR. NEFF: Right.

18 CHAIR YAWN: But comparing my
19 hospital to yours, and I don't know if risk
20 adjustment is going to deal with that issue or
21 not.

22 DR. NEFF: I think it is always a
23 hard one to actually quantify, even within a
24 hospital, which is probably why it hasn't kind
25 of fit in there terribly well in terms of
26 measures.

27 You could describe hospitals and
28 somehow try to build it into a model about
29 whether you had multiple levels of care, as
30 opposed to just two levels of care. I don't
31 know if this is something you guys have
32 struggled with.

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1 MR. DUDLEY: So we have a community
2 sample of hospitals. So we have every type of
3 hospital.

4 DR. NEFF: A range of them, uh-hum.

5 MR. DUDLEY: A lot of people think
6 California is all urban, but, actually --

7 CHAIR YAWN: No, we know it's not.

8 MR. DUDLEY: There are populations
9 in rural areas.

10 There are issues of how you draw
11 the lines around the walls of the ICU. But,
12 in general, the view of the participating
13 hospitals has been that, if -- and this
14 includes even the small ones, however -- if
15 there is a good reason for the patient to be
16 somewhere else, then it is actually not that
17 hard to create some step-down-ness.

18 If there are issues of the ER
19 blocking things and making ICU patients ending
20 up sort of being admitted to the ICU, but
21 actually physically in the ER, something like
22 that, then those are flow issues that ought to
23 be worked out in the hospital. So they
24 haven't objected to this being a performance
25 measure for either the entering direction or
26 the leaving direction, because they feel like
27 if there is a problem there, it is a legit
28 thing that they ought to fix, both because the
29 patients -- so if you could create step-down-
30 ness, then you are taking the less sick
31 patients away from the more sick patients, and
32 you are reducing the risk of passage of

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1 infections, et cetera, et cetera.

2 And ER blockage of the problem, not
3 just for calculating your ICU length of stay,
4 but, actually, for the care of the patient.
5 So they have, in general, accepted this.

6 DR. MILLARD: So the underlying
7 assumption is ICU care is bad. The longer you
8 are in the ICU, the worse you are. And the
9 underlying assumption, so if I have tally
10 pulsometry beds that I can move a bunch of
11 patients in the ICU out to, and that will
12 lower my length of stay right away, that is
13 good. The assumption is that that is good?

14 MR. DUDLEY: Clinically, it is
15 better for the patients.

16 DR. MILLARD: Okay. Okay. But
17 that is the underlying assumption, is, however
18 you get them out of the ICU --

19 MR. DUDLEY: On the back end, and,
20 also, the front end, however you get them in.
21 So this business of calling them ICU patient,
22 but having them sit in the ER for 24 hours is
23 not as good of care.

24 CHAIR YAWN: But do you have
25 evidence to say that it is better to get them
26 out when you don't -- I mean we really don't
27 have the ability to hire more staff to have a
28 step-down unit. It just is an economic.

29 So can you show, do you have
30 evidence that it is better to get them out of
31 the ICU and put them in a non-monitored bed?

32 MR. DUDLEY: So no one has done

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1 randomized trials of taking people and putting
2 them in different situations. The longer you
3 are in the ICU, or taking patients at
4 different points of time of equal status, the
5 longer you are in the ICU, the more likely you
6 are to get infections, other iatrogenic
7 complications.

8 I guess what I was trying to say is
9 that, on the whole, while there are some
10 measurement issues related to moving a patient
11 from the ER and also to moving them out, the
12 hospital community has not raised that as a
13 significant issue in terms of feeling bad
14 about my ICU length of stay being measured
15 this way. And that is in a community that is
16 very large and includes all types of ICUs.
17 Because, on the whole, they also feel like
18 they agree with the intent of this measure.
19 Shorten this and things will be better. And
20 if my problem is in the ER, then I want to
21 work on that.

22 CHAIR YAWN: Okay.

23 DR. NEFF: For me at least, it
24 tends to keep -- and it is probably my own
25 little internal world, where it feels like
26 that sniff test for me, but my world is so
27 different because I have a step-down or I
28 don't or I'm boarding or this. There may be
29 that sniff test that feels off if it is not
30 included, although your experience with the
31 variety of hospitals would actually speak
32 against that because it doesn't seem to be

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1 wiggling them out about that.

2 But it may come up, actually, it is
3 probably less relevant for the integrity or
4 the high impact of the value, which I think is
5 probably pretty solid, and it may come up a
6 little more that we might be able to just
7 outline that as an issue, whether it ends up
8 being a real --

9 CHAIR YAWN: Well, usability, it
10 may be an issue.

11 DR. NEFF: Or in the science.

12 CHAIR YAWN: Okay.

13 DR. NEFF: So I think we are solid
14 here at least.

15 CHAIR YAWN: All right.

16 DR. NEFF: So "C's" across the
17 board.

18 DR. RASTOGI: Could I make a
19 comment, even though I am not a measure
20 developer, just from the science point of
21 view?

22 I had participated in this
23 treatment, health quality choice project, and
24 also the Anthem, Blue Cross/Blue Shield, and
25 it was more for cardiovascular. So it wasn't
26 pulmonary.

27 But for people doing this, we were
28 doing ICU length of stay or even hospital
29 length of stay as an adverse outcome measure.

30 We would do risk adjustment for patient
31 issues, but then for the hospital-based
32 efficiency issues we do control charts.

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1 So, like what you were saying,
2 Barbara, within a hospital, you could look
3 over time and see. So that is the efficiency
4 piece. And you can't compare one hospital
5 versus the other because they have their own
6 problems.

7 So the control charts would help us
8 parse out, but it is a quality-of-care issue
9 or it is an efficiency.

10 CHAIR YAWN: Yes, and I think that
11 it can, but, again, we have to take the
12 measure the way, and it is supposed to be for
13 public reporting, to compare across hospitals,
14 but it is a potential solution.

15 DR. RASTOGI: Yes.

16 CHAIR YAWN: Good. Thank you.

17 DR. NEFF: So on to 2, on to the
18 science. This is probably where this comes
19 up, for me at least, the most about precisely
20 specified. So, basically, the criteria being
21 all eligible patients admitted to the ICU, and
22 basically getting the time, being the time
23 from discharge minus the time of admission, I
24 mean fairly straightforward, using vital signs
25 to kind of track those start and stop times.

26 And I think this is all pretty
27 straightforward, pretty precisely defined,
28 with the only caveat in my mind being this
29 issue of where you start the ICU, if it is in
30 the ED or in the PICU. You know what I mean?
31 It is a little hazy around the edges.

32 And would that matter? Again,

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1 internally it wouldn't. If you had a lot of
2 variability in hospitals, and just that
3 hospital infrastructure piece, is there a way
4 to get your brain around it and describe it in
5 some way that helps people understand; whether
6 it can be a model or not, it may be hard to
7 do.

8 So this is probably, more than
9 anywhere else, I might say I am not sure. For
10 me, for that reason, I put it as a "P" instead
11 of "C", and I might just lay that out as my
12 sort of comment in the weakness piece. It is
13 just that that makes it harder to generalize
14 and be able to say you are really solidly sure
15 about what an ICU length of stay is, if you
16 are not entirely sure how you are defining the
17 ICU.

18 MS. PACE: So what is unclear about
19 how they defined ICU?

20 DR. NEFF: Basically, that it is
21 the time -- well, how they defined it is
22 probably clear. That is fair enough. So it
23 is just whether it is accurate for the
24 entirety of the population. That would be
25 all.

26 CHAIR YAWN: So that you think
27 there might be some systematic bias that
28 certain hospitals would always have shorter
29 length of stay because they've got these
30 patients trapped in the ER for 24 hours before
31 they ever get to the ICU?

32 DR. NEFF: Or longer, because they

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1 are stuck in the ED or in the ICU and can't
2 get back to the acute care. I mean it could
3 go both ways.

4 CHAIR YAWN: Yes, and that may be
5 what you are getting at. It is a systematic
6 -- it is not a random --

7 MS. PACE: But the trapped in ER
8 would shorten.

9 DR. NEFF: Uh-hum.

10 MS. PACE: So a hospital could look
11 better if they are holding people in ERs? Is
12 that then --

13 DR. NEFF: It is just that it feels
14 like there is a hospital infrastructure issue
15 in terms of flow that could impact this
16 outcome measure that internally within a
17 hospital wouldn't matter. Would it be hard to
18 say, Hospital A and B and C, that it doesn't
19 matter within all of those three, even though
20 they have different flow issues? And whether
21 there would be a way to, again, not trying to
22 solve the measure problem, but to either group
23 those hospitals -- I mean you could almost
24 imagine hospitals with similar sort of
25 hospital structures would be compared. You
26 could still compare, but --

27 MS. PACE: But part, I think, of
28 what has been presented and what has been said
29 is that, if that is the issue, the hospital
30 should fix the flow.

31 DR. NEFF: Uh-hum.

32 MS. PACE: And if I were looking,

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1 you know, regardless of what the problem is, I
2 would rather go to the hospital --

3 CHAIR YAWN: No, you wouldn't
4 rather go to the hospital that has a shorter
5 length of stay because you are stuck in an ED
6 for 48 hours.

7 MS. PACE: Right. Right. Exactly.
8 So is that the main issue, that people --

9 CHAIR YAWN: Less is not better
10 necessarily, if that is a main issue. Now I
11 don't know the size of that issue.

12 MS. PACE: Yes. Right.

13 CHAIR YAWN: And I cannot say that
14 is a problem --

15 MS. PACE: Right, right.

16 CHAIR YAWN: -- in 48 percent of
17 hospitals. If it is a problem in 3 percent or
18 1 percent of all ICU admissions, forget it.
19 Do you know?

20 MR. DUDLEY: Well, this is, again,
21 where I don't know if you are comparing
22 things. So how that will play out --

23 CHAIR YAWN: It has to compare
24 across hospitals.

25 MR. DUDLEY: No, I meant across
26 measures.

27 CHAIR YAWN: Oh, okay.

28 MR. DUDLEY: But we are proposing
29 at the same a mortality measure. So, if you
30 trap the patient in the hospital, I'm sorry,
31 in the ED, that will actually usually play out
32 as worse outcomes.

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1 First of all, it is not a huge
2 issue. It is more of an issue sort of
3 temporarily when the flu season kicks in, and
4 it has been more of an issue with swine flu.
5 But, for the most part, it is not a big issue.

6 It is a seasonable phenomenon, not so much a
7 variation across hospitals as across time
8 during the year, because it is mainly
9 respiratory waves that cause the ICU access
10 problems.

11 But it has not played out to be a
12 very big issue here. But I think when you
13 have these flow problems, and you add the
14 mortality measure, which we haven't yet
15 discussed, then if you tried to game your
16 length of stay, that would probably play out
17 within your mortality measure.

18 CHAIR YAWN: But, unfortunately,
19 you know, we have to do that separate because
20 we cannot be assured that the mortality
21 measure will be used by the same people that
22 use the length of stay. Okay? You could make
23 it a composite.

24 MS. WINKLER: No, not a composite.

25 CHAIR YAWN: Okay.

26 MS. WINKLER: Actually, NQF has
27 done in the past paired measures, so that you
28 do the two together. You don't do them
29 separately. You don't do them independently.

30 You say, if you are going to do one, you are
31 going to do them both. That could be a
32 recommendation from this group.

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1 MR. DUDLEY: Can you say that one
2 would be paired without the other? So I don't
3 think you want to say only do mortality if you
4 are also willing to do length of stay, but I
5 do think you want to say only do length of
6 stay if you are also willing to do mortality.
7 Does that make sense?

8 CHAIR YAWN: A one-way pairing?

9 MS. WINKLER: A one-way pairing.
10 Okay. You can make that --

11 MR. DUDLEY: And if I could,
12 Barbara, with respect to your concern that
13 smaller hospitals wouldn't be able to create a
14 step-down because they can't hire more people,
15 if you actually have patients who are step-
16 down-worthy, that actually means hiring fewer,
17 rather than more, people because it is lower
18 ratios of care when you are able to switch
19 people to a step-down.

20 CHAIR YAWN: That sounds like a
21 good theory. You come and see our 60-bed
22 hospital and tell me about it then.

23 MR. DUDLEY: Well, you can just
24 declare parts -- we have had hospitals just
25 declare parts of their ICU as the step-down
26 and go four-to-one now.

27 CHAIR YAWN: All right.

28 DR. NEFF: I mean I think that
29 every hospital has struggled with this in some
30 way or another. I think, to a great extent,
31 as you are saying, I mean you kind of need to
32 know if this is a problem within your hospital

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1 and try to figure out what, if anything, you
2 want to change and at what end of the flow you
3 need to change that. It is just when you
4 start, then, getting into the hospital-to-
5 hospital comparison, that that gets a little
6 trickier.

7 So, I mean, I think maybe the
8 pairing is a possibility, if we wanted to put
9 that as some way to get it to kind of all
10 balance out in the wash.

11 CHAIR YAWN: So we would say for
12 this one we recommend it is always paired with
13 mortality?

14 DR. NEFF: If you are going to do
15 this, you do mortality.

16 CHAIR YAWN: Okay. Good.

17 DR. NEFF: Yes. And I think from
18 just the way I think I wrote this, I ended up
19 putting it as a "P", just because that was
20 sort of gnawing on me a little bit.

21 CHAIR YAWN: Are you comfortable,
22 with the paired, now moving it to a "C" or
23 not? That's fine. You don't have to. I
24 don't want to take forever.

25 DR. NEFF: Yes. I guess, because I
26 still, even with that, honestly --

27 CHAIR YAWN: Sure.

28 DR. NEFF: -- I probably still feel
29 like there are issues --

30 CHAIR YAWN: Fine.

31 DR. NEFF: -- but I think it would
32 solve the issue in terms of its being

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1 functional by having it paired.

2 Then, just in terms of where I
3 stuck all this stuff, it ended up being kind
4 of in the descriptor of the pros and cons or
5 weaknesses and strengths, so just that ability
6 to assess this sort of hospital
7 infrastructure's impact on length of stay.

8 Then, let's see, 2b -- or not to
9 be.

10 (Laughter.)

11 Reliability testing I thought was
12 quite solid. It was large patient population,
13 a number of different hospitals, large range
14 of time, well done with random sampling and
15 auditors, and yadda yadda ya. So I gave that
16 a "C". Yadda yadda ya.

17 CHAIR YAWN: Good.

18 DR. NEFF: So why the yadda yadda
19 ya?

20 (Laughter.)

21 MR. DUDLEY: The story of my life.

22 (Laughter.)

23 You can do that, as long as my wife
24 doesn't.

25 (Laughter.)

26 CHAIR YAWN: Your kids will, if you
27 ever have any, I can assure you.

28 (Laughter.)

29 MR. DUDLEY: I've got two, but they
30 are not there yet.

31 CHAIR YAWN: Oh, okay.

32 DR. NEFF: And then validity, did

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1 it in a 40 percent sample. So, basically, of
2 the group, sort of tested this in 40 percent
3 of the population, which is a pretty
4 reasonable chunk of patients.

5 I can't actually give you a reason
6 why I had it as a "P". I think I perfectly
7 fine with that as a "C". I must have had a
8 little slip of the click.

9 CHAIR YAWN: Okay. So we get the
10 "C" there.

11 DR. NEFF: Because I was looking at
12 the rest of my notes, and I didn't have
13 anything else that was bothering me there.

14 CHAIR YAWN: Okay.

15 DR. NEFF: Then the justifications
16 for the exclusions, the issues here were
17 excluding patient populations who had well-
18 established other risk stratification and
19 adjustment models. So burns, trauma, post-MI,
20 post-CABG, and readmission. And that all made
21 sense.

22 I think the only reason I put it as
23 a "P" instead of "C" was that it would still
24 be -- and this maybe goes into more of a
25 feasibility maybe than here. Okay, that's
26 fine, but then what about the hospital that
27 has all those patients? How do they, then,
28 equate their length of stay if they are doing
29 it in a smaller subset of their population?
30 It seemed like it would be a little harder to
31 use, particularly if you had hospitals that
32 had large volumes of these patients.

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1 CHAIR YAWN: So that might be more
2 feasibility?

3 DR. NEFF: I think it is going to
4 be more feasibility, now that we are sort of
5 in the rhythm of this whole thing.

6 CHAIR YAWN: Yes.

7 DR. NEFF: So I would be "C" here.

8 CHAIR YAWN: "C"? Okay.

9 DR. NEFF: I think this all made
10 sense. It was well-supported for why they
11 kept those people out of that.

12 CHAIR YAWN: Okay.

13 MR. DUDLEY: If you could bring
14 that up again when you get the feasibility, I
15 will address it.

16 DR. NEFF: Okay.

17 CHAIR YAWN: Okay.

18 DR. NEFF: Let's see, the risk
19 adjustment, actually, issue for the outcomes
20 measures, they are using all the variables. I
21 think my only question just was really kind of
22 -- and I think I understood it better as I
23 then got into the model paper that you are
24 saying in terms of what you actually added to
25 this. So I would be actually up at a "C" now.

26 You added sort of the contemporary
27 information. Then you added the code status
28 and the ICU time, time prior to ICU. So a
29 couple of new measures that, then, helped make
30 the model work better in terms of mortality.
31 So I actually was fine there as well.

32 CHAIR YAWN: And you have cut out

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1 the people that were less than four hours and
2 you cut out the over 30 days. So you've got
3 the outliers on both sides.

4 MR. DUDLEY: We didn't cut out; we
5 truncated.

6 (Laughter.)

7 CHAIR YAWN: Yes. I am not a
8 surgeon. I can cut them out.

9 (Laughter.)

10 MR. DUDLEY: Okay.

11 MS. PACE: So could I ask, the
12 information you put in validity testing is
13 actually about your risk model? Is that your
14 risk model performance?

15 MR. DUDLEY: Do you mean back on 2c
16 here?

17 MS. PACE: Yes, 2c, right.

18 MR. DUDLEY: If you don't mind just
19 showing me what's in 2c, just so I can make
20 sure I am stating it correctly.

21 Yes, this is about how we validated
22 the model. So we built it on 60 percent of
23 the sample of roughly 11,000.

24 MS. PACE: Right.

25 MR. DUDLEY: Then we validated it
26 on 40 percent. Those were randomly sampled
27 before we got started.

28 CHAIR YAWN: So a split sample
29 validation?

30 MR. DUDLEY: Yes.

31 MS. PACE: Okay. So, when you came
32 down to risk adjustment testing, and you put

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1 testing results not applicable, and I am just
2 looking at this quickly, but did you report
3 like discrimination in calibration statistics
4 for your model?

5 MR. DUDLEY: Yes, those are up in
6 the reliability --

7 MS. PACE: In the 2c?

8 MR. DUDLEY: Yes, in the
9 reliability and validity sections, yes.

10 MS. PACE: Okay.

11 MR. DUDLEY: And they are in the
12 paper. So the c statistics are .83, for
13 instance, and -- I'm sorry -- oh, and the
14 calibration, we can show you the calibration
15 terms. They are in the reference.

16 MS. PACE: Okay.

17 MR. DUDLEY: But they look okay.

18 MS. PACE: That is for the future.
19 We realize we are going --

20 MR. DUDLEY: We actually struggled
21 a bit with what goes where.

22 MS. PACE: -- to have to provide
23 more specific guidance, but --

24 MR. DUDLEY: Well, part of that is
25 that so many different kinds of measures with
26 different kinds of validation can come in.

27 MS. PACE: Right.

28 MR. DUDLEY: So you might consider,
29 oh, well, if this is a mortality model, then
30 this approach.

31 MS. PACE: Right. That is what we
32 need to do, I think.

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1 CHAIR YAWN: Yes, and I think,
2 also, making sure we have the references
3 attached whenever you have the curves and
4 other things will be something you should be
5 able to let people try to do.

6 MS. PACE: Right. Well, we did
7 have -- did you submit those, the risk model
8 information?

9 MR. DUDLEY: I think so. I think
10 so. We certainly -- it definitely was in
11 there.

12 MS. PACE: So it is in the
13 attachments?

14 DR. NEFF: And there are two more
15 articles that are in there.

16 MS. PACE: Right. No, they are
17 here.

18 CHAIR YAWN: She was able to look
19 at them. That is the important part --

20 MS. PACE: Right.

21 CHAIR YAWN: -- is that whoever is
22 assessing it can look at them.

23 DR. NEFF: Right. There was an
24 MPM-III LOS model and a MPM-III model which
25 was the original.

26 MS. PACE: Okay. Great.

27 DR. NEFF: And then, I think in
28 terms of the meaningful differences, the
29 length of stay and then the adjusted length of
30 stay is actually well-described and compared
31 to SAPS and APACHE. So you kind of have a
32 range of what might be expected. So I think

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1 that was actually reasonable.

2 And I didn't see anything that was
3 actually off there. Then, when we get down to
4 comparability, basically, there's really
5 nothing for this to compare to that I could
6 find, either. So I think that was reasonable.

7 CHAIR YAWN: Reva?

8 MS. WINKLER: Yes, a question. You
9 said it is a CHART measure, right? Is it
10 being publicly reported?

11 MR. DUDLEY: This one is not yet
12 publicly reported.

13 MS. WINKLER: Not yet, but intended
14 to?

15 DR. NEFF: But the earlier version,
16 I mean the earlier use of the MPM is.

17 MR. DUDLEY: For mortality --

18 DR. NEFF: For mortality.

19 MR. DUDLEY: -- it is publicly
20 reported.

21 CHAIR YAWN: But not for length of
22 stay?

23 MR. DUDLEY: For length of stays,
24 you get to look at it and work on it for a
25 year, sometimes a year and a half, before we
26 do the publicly reporting, when we develop a
27 new measure.

28 And this one, as you pointed out,
29 we had to develop ourselves.

30 MS. WINKLER: Right. So you
31 actually have data from different hospitals on
32 this in terms of --

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1 MR. DUDLEY: Yes, that data you
2 just saw there.

3 MS. WINKLER: Yes. Okay. And I
4 guess the question would be, there is a plan
5 to publicly report that down the road?

6 MR. DUDLEY: Uh-hum.

7 MS. WINKLER: Okay. And the
8 discriminatory characteristics of it? Of the
9 results?

10 MR. DUDLEY: Are you asking if
11 there's variation?

12 MS. WINKLER: Yes, exactly.

13 MR. DUDLEY: So, if you could go
14 back to that data, the one that had the -- go
15 up one.

16 DR. NEFF: 2f.

17 MS. WINKLER: Yes, I just didn't
18 know how to interpret.

19 MR. DUDLEY: So the range,
20 originally, we were deciding which models.
21 So, for APACHE IV and MPM-III, too, the range
22 of your standardized length-of-stay ratios is
23 from, roughly, .4 to, roughly, 1.6 across our
24 hospitals. So a really big range.

25 MS. WINKLER: Yes, okay. Got it.
26 Okay.

27 CHAIR YAWN: Let's go on.

28 DR. NEFF: Then disparities in
29 care, actually, I think, in reality, it is
30 sort of not stratified on it. There's not any
31 reason to suspect there would be any
32 differences, and there's not anything

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1 currently reported with this or to compare it
2 to. So I think that I am not sure if that
3 would actually fit into more of a not
4 applicable than a complete.

5 CHAIR YAWN: You don't think there
6 are any racial differences?

7 DR. NEFF: Well, I guess it is
8 whether it is in the model. I am not certain.
9 Let me see.

10 I get a little lost with this when
11 there's not --

12 CHAIR YAWN: Well, I guess what we
13 say, is there the ability for --

14 DR. NEFF: Yes.

15 CHAIR YAWN: -- this measure to
16 say, look, it's always a longer length of stay
17 for African-Americans after you have done all
18 of the other risk adjustment? Can this model
19 do that? Or is race one of the risk
20 adjustment factors?

21 MR. DUDLEY: No, we never risk-
22 adjust by race.

23 CHAIR YAWN: Yes.

24 MR. DUDLEY: So the model does not
25 include that variable.

26 CHAIR YAWN: But it could?

27 MR. DUDLEY: You could then; we do
28 not.

29 DR. NEFF: No.

30 CHAIR YAWN: I understand that you
31 do not.

32 MR. DUDLEY: No, we do not

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1 currently plan to, but you could say here's
2 the LOS for African-Americans, for Asian-
3 Americans, for Hispanics, and so forth. You
4 could do that.

5 CHAIR YAWN: So, right now, it does
6 not measure any of those types of disparities,
7 but it potentially could?

8 DR. NEFF: Built into it, but not
9 reported.

10 DR. O'CONNOR: So, then, why was it
11 based on hospitals with 400 admissions? Isn't
12 that correct data?

13 MR. DUDLEY: Oh, a random sample of
14 400 of their admissions.

15 DR. NEFF: So it is in the data,
16 but it is not reported out by race? I mean it
17 is there, if somebody felt inclined or wanted
18 to --

19 MR. DUDLEY: Yes, you could do
20 that, yes. So we do ask race.

21 DR. NEFF: Yes.

22 MR. DUDLEY: The way that it works,
23 actually, though, is somebody looks at you.

24 DR. NEFF: Yes.

25 MR. DUDLEY: So, if it is really
26 obvious, then --

27 CHAIR YAWN: Well, we know that
28 that is not a good measure. We understand
29 that.

30 MR. DUDLEY: Yes, exactly.

31 CHAIR YAWN: But we don't know what
32 are good measures of race or ethnicity anyway.

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1 So it's fine. But it could be by age; it
2 could be by gender. We can usually tell
3 gender, usually.

4 MR. DUDLEY: Yes.

5 CHAIR YAWN: Not always.

6 MR. DUDLEY: We had four of those
7 in California.

8 CHAIR YAWN: Yes, I know.

9 (Laughter.)

10 DR. NEFF: Okay. In the strengths
11 and weaknesses, I think, actually, we
12 addressed any of the other issues that I had,
13 which is really just about feasibility. So I
14 don't --

15 CHAIR YAWN: In this, the only
16 thing I see here that you haven't measured or
17 you haven't mentioned is patients' treatment
18 decisions based on family goals and values.
19 You did do something about their code status.
20 So you have dealt with that. And I am not
21 sure how you would ever do that, but --

22 DR. NEFF: I mean, on the
23 assumption that that decision is based on
24 family --

25 CHAIR YAWN: Yes.

26 DR. NEFF: -- and family wishes, it
27 is built in.

28 CHAIR YAWN: Yes.

29 DR. NEFF: Full code, DNR, limited
30 interventions, comfort care.

31 MR. DUDLEY: What we do is there
32 are so many choices there because there are

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1 really so many levels that could play out.

2 CHAIR YAWN: Right. It is
3 gradation.

4 MR. DUDLEY: But what we actually
5 do is we only use the full code. So it is
6 binary full code, yes/no.

7 DR. NEFF: Or it is something else.

8 MR. DUDLEY: Because the gradations
9 have too many different meanings, it gets
10 dirty when you go down into the lower stuff.

11 CHAIR YAWN: Oh, that's fine. So
12 you have addressed this. He mentioned it as
13 the weakness. You have addressed it to some
14 extent, the only extent you probably know how
15 to?

16 MR. DUDLEY: Yes. We actually
17 tried other ways, and it just got too messy.

18 CHAIR YAWN: Okay.

19 DR. NEFF: So it is basically the
20 full code and everything else.

21 MR. DUDLEY: Versus others, the
22 full code versus others, versus limitations on
23 care.

24 DR. MILLARD: One of the issues we
25 face in our hospital is when the treatment
26 team says stop and the families say continue.
27 That is actually not captured here because
28 they are full code. Yet, that makes a
29 significant difference in terms of total cost
30 and total length of stay. Because if you have
31 a number of -- and sometimes that is
32 culturally-driven. So that would be a

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1 potential relative weakness, is if there is a
2 discordance, and I don't know how you track
3 that, between treatment team decisions and
4 family decisions, that could be a significant
5 influence on length of stay, although you cut
6 it off at 30 days.

7 But what we will find is that it
8 adds, often family conflicts in decisionmaking
9 in critically-ill patients often will
10 lengthen, add one or two weeks to the
11 resolution of the case.

12 DR. NEFF: There would be sort of
13 like the team length of stay and the family
14 length of stay or something.

15 DR. MILLARD: And I don't know --

16 MR. DUDLEY: We haven't been able
17 to deal with that. The thing is everyone
18 thinks they face that. So there hasn't been a
19 lot of --

20 DR. MILLARD: So you feel like it
21 washes out?

22 MR. DUDLEY: Yes. I mean that
23 definitely happens. It happens all the time.

24 DR. MILLARD: But maybe culturally
25 some areas it happens --

26 DR. NEFF: Yes, and it would be
27 almost like if you had a really active
28 palliative care service, you would get them
29 involved in kind of cultural family/team
30 communication stuff, and you could have a
31 quantitative variable for that. But that is
32 more qualitative-based --

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1 MR. DUDLEY: So is this the point
2 where I would be addressing your earlier
3 concern about feasibility? What if you have a
4 lot of trauma patients or burn patients? I
5 mean earlier you said --

6 CHAIR YAWN: We are not on
7 feasibility yet. We are still on usability.

8 MR. DUDLEY: Okay. All right.

9 DR. NEFF: One more step.

10 MR. DUDLEY: I didn't want to miss
11 it.

12 CHAIR YAWN: Go on. Okay.
13 Usability, go for it.

14 DR. NEFF: Usability. So,
15 currently, being used already for QI purposes,
16 the mortality risk prediction model is already
17 in use. No current usage, although
18 anticipation of using reporting for the ICU-I
19 to study.

20 So it already has some track
21 record, essentially, with its use. It is just
22 in a slightly different realm, but the same
23 overall model that has now just been tweaked,
24 I guess. A little tweaking.

25 MR. DUDLEY: Okay, yadda yadda
26 yadda, tweak.

27 (Laughter.)

28 DR. NEFF: Okay. For the relation
29 to other measures, you mentioned the PICU
30 length of stay, which already has an NQF
31 member unit assigned to it.

32 There is sort of the link to the

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1 mortality, although it is a different measure
2 as well. That kind of brings up the
3 harmonization category. Really, I mean adult
4 is adult, and the only difference here,
5 obviously, with the other measure is peds; the
6 ages of the those are appropriately different.

7 CHAIR YAWN: And we are not going
8 to say, "peds' ages". We are going to say,
9 "children".

10 DR. NEFF: Children. Okay.

11 CHAIR YAWN: Parents don't have
12 pedias. They have children.

13 (Laughter.)

14 DR. NEFF: Kids have two feet,
15 though.

16 (Laughter.)

17 MR. DUDLEY: You're discriminating
18 against the one-foot children.

19 (Laughter.)

20 CHAIR YAWN: You are also
21 discriminating against family physicians.
22 They are children, please.

23 (Laughter.)

24 DR. NEFF: And then added value to
25 the other measures is really not actually
26 applicable because there aren't other measures
27 that are equivalent for this at this point.

28 MS. WINKLER: In fact, that,
29 actually, is of some value, is the fact that,
30 since there aren't measures --

31 DR. NEFF: Right, right.

32 MS. WINKLER: -- and you have

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1 declared it to be very important --

2 DR. NEFF: Right. Yes.

3 CHAIR YAWN: So it is not a
4 weakness.

5 DR. NEFF: Right. I thought, from
6 a strength, that what is being used is
7 understandable, currently in use. The concept
8 of length of stay is one that is familiar,
9 certainly, with the healthcare community, and
10 you can describe to people.

11 I guess, assuming this is factoring
12 in survival, so it is length of stay among
13 those who survived or just overall length of
14 stay?

15 MR. DUDLEY: It is overall length
16 of stay.

17 DR. NEFF: Overall length of stay.

18 MR. DUDLEY: But, again, there is
19 the pairing thing.

20 DR. NEFF: Yes.

21 MR. DUDLEY: You wouldn't well on
22 your length of stay in the waiting room but
23 die on the first day.

24 DR. NEFF: Yes.

25 MR. DUDLEY: But that is why we
26 pair it.

27 DR. NEFF: Yes. So another good
28 spot in here for the pairing. Because,
29 otherwise, it should be length of stay among
30 survivors, but it is not, because they are
31 pair it.

32 CHAIR YAWN: Yes.

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1 DR. NEFF: But we are going to
2 encourage it for whatever.

3 CHAIR YAWN: Yes, we are going to
4 say it shouldn't be done separately.

5 Go ahead.

6 DR. NEFF: There you go.

7 CHAIR YAWN: Yes. You've got it.

8 DR. NEFF: I was trying not to --

9 CHAIR YAWN: No. It is good. It
10 is very good. Thank you.

11 DR. NEFF: So that is another great
12 example.

13 CHAIR YAWN: Okay.

14 DR. NEFF: All right. So we are
15 through 3. So now we are on to feasibility.

16 CHAIR YAWN: Now we are on
17 feasibility. Now your issue?

18 DR. NEFF: Right. So hang on.

19 Data generated as a byproduct of
20 the care processes, yes, you still need to
21 actually have somebody abstracting. Right.
22 So it is not 100 percent, actually, totally
23 electronically available, unless I am
24 interpreting that wrong.

25 MR. DUDLEY: That is correct. We
26 were thinking that you meant you have to do
27 something to the patient to get the data.

28 DR. NEFF: Ah, okay.

29 MR. DUDLEY: And the answer there
30 is no.

31 DR. NEFF: Okay.

32 CHAIR YAWN: And in some sense,

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1 this is very soon will be totally electronic.

2 DR. NEFF: Yes, but --

3 MR. DUDLEY: I wouldn't say very
4 soon.

5 CHAIR YAWN: Okay.

6 MR. DUDLEY: It could be today, but
7 the case of EHR adoption in the real world is
8 --

9 CHAIR YAWN: Okay.

10 MR. DUDLEY: But, yes, there are
11 places that have this electronically.

12 MS. WINKLER: But the idea is, with
13 an EHR, these can --

14 MR. DUDLEY: This would be
15 incredibly easy, yes.

16 MS. WINKLER: Right. Okay.

17 MR. DUDLEY: Yes.

18 MS. WINKLER: So it is very
19 compatible with EHR?

20 DR. NEFF: Right. So it is not
21 there, but it will be good when it is.

22 MR. DUDLEY: There actually are
23 commercial products out there that have this
24 in it. So there are vendors who are building
25 it in.

26 CHAIR YAWN: Yes. Yes. Well, I
27 just happen to know ours does. So, I figure
28 if ours has it, everybody should.

29 MR. DUDLEY: You're a 60-bed
30 hospital?

31 CHAIR YAWN: Well, they are part
32 of -- yes.

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1 DR. NEFF: So I think we are
2 probably in a similar situation where the
3 electronic piece kind of gets put down because
4 it is not by virtue of the design of the
5 study, but by just --

6 CHAIR YAWN: Scalability.

7 DR. NEFF: Yes.

8 CHAIR YAWN: How far down do you
9 want to go?

10 DR. NEFF: I had it as an "M",
11 actually, because I think you have to have an
12 individual person to abstract data. I think
13 there is just no way around that.

14 A solid "C" for the electronic
15 piece, but then, because there is a chunk that
16 you have to do by hand --

17 CHAIR YAWN: Okay.

18 DR. NEFF: I mean we should try to
19 probably, from a harmonization standpoint, at
20 least try to be consistent.

21 CHAIR YAWN: Or did we do "M" on
22 the last one?

23 DR. NEFF: That's what I can't
24 remember. It is the same issue.

25 CHAIR YAWN: Whatever we did on the
26 last one, we are going to do on this one.

27 DR. NEFF: Because it is the same
28 across the board.

29 CHAIR YAWN: Was it "M"? Okay,
30 then we will do "M".

31 DR. NEFF: That can be a little
32 SOP, as far as future taps, because it is not

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1 speaking to the study as much as it is just a
2 reality.

3 DR. O'CONNOR: I am curious --

4 MR. DUDLEY: I am sorry. I missed
5 that. What is "M" then?

6 DR. NEFF: Because that is the
7 electronic sources, whether all the data is
8 available electronically.

9 MR. DUDLEY: Oh, okay. So that's
10 "M".

11 DR. NEFF: Yes.

12 DR. O'CONNOR: That is more of a
13 statement about the hospital.

14 DR. NEFF: It is a statement
15 about --

16 CHAIR YAWN: Yes, it is not the
17 measure.

18 DR. O'CONNOR: But, of the 200
19 hospitals or so that you deal with in
20 California, what percent do you think don't
21 have this electronic capability? I mean,
22 certainly, in San Diego we --

23 MR. DUDLEY: Unfortunately, still
24 the large majority don't have --

25 DR. O'CONNOR: Really?

26 MR. DUDLEY: So there are products
27 out there where you are running your ICU and
28 the blood pressure is being recorded
29 electronically, but it is not, then, put into
30 a risk-adjusted system that pops out a
31 mortality calculation.

32 There are also products that do

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1 that last step, eICU, VisICU, et cetera, but
2 most hospitals, the large majority of
3 hospitals do not yet have those things. So I
4 guess, in that sense, yes.

5 But almost everything is an "M"
6 then, right, on this one?

7 MS. WINKLER: No. The data
8 generated is a byproduct of care is what they
9 are putting the "M". The electronic source is
10 still "C" because it is available.

11 CHAIR YAWN: Oh, yes.

12 MS. WINKLER: People will start
13 using it.

14 MR. DUDLEY: Oh, I see what you are
15 saying.

16 CHAIR YAWN: Yes.

17 MR. DUDLEY: Oh, okay.

18 CHAIR YAWN: It is just that, for
19 people that don't have it, they don't have it.

20 MR. DUDLEY: Okay. Yes.

21 MS. WINKLER: Yes, that is one of
22 the issues. I mean you have kind of got a
23 dichotomous situation for the first one. If
24 you've got it, then it is fully electronic.
25 If you "don't got it", then it's not.

26 CHAIR YAWN: Then it is a problem.

27 So that is why, that's what gets the "M", is
28 the fact that not everybody has it, and we are
29 not close to 70 or 80 percent having it yet.
30 So that is why it gets an "M".

31 MR. DUDLEY: Has there ever been
32 anything, then, that isn't an "M" on that?

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1 CHAIR YAWN: Pretty much no.

2 MR. DUDLEY: Oh, okay.

3 MS. WINKLER: Not much. Not much,
4 no.

5 CHAIR YAWN: No. I mean it doesn't
6 bring it down --

7 MS. WINKLER: Pure admin data.

8 MR. DUDLEY: Okay.

9 CHAIR YAWN: Yes, but there aren't
10 any. Well, alive or dead.

11 MR. DUDLEY: Yes.

12 CHAIR YAWN: You know, you ca
13 pretty much get alive or dead.

14 MR. DUDLEY: Yes.

15 DR. NEFF: So I may have had mine
16 switched in here, but I agree at this point
17 that the "M" is only relating to the
18 availability of electronic.

19 CHAIR YAWN: Yes.

20 DR. NEFF: Okay. Then we get
21 exclusions do not require additional data
22 sources. So that was a "C". We were fine
23 with that.

24 Then I think this might be a place
25 we can sort of talk the sort of susceptibility
26 to inaccuracies, errors, or unintended
27 consequences. You were bringing up sort of
28 the issue of people might try to game things,
29 so that they got lesser sick people, so their
30 length of stay was lower. I mean that is
31 always a possibility.

32 But I think, in reality, hopefully,

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1 there would be enough hospitals involved that
2 it wouldn't just be a regional phenomenon.

3 MR. DUDLEY: Yes. And again, that
4 is true, that is applicable to every outcome
5 measure.

6 DR. NEFF: Yes.

7 MR. DUDLEY: Then the specific
8 issue that you had raised was, well, what if I
9 have a lot of trauma or burn patients? Or the
10 other big group is coronary bypass. Those
11 hospitals that do have big trauma units, big
12 burn units, big coronary bypass or coronary
13 surgery units, they don't have small other
14 ICUs. They have literally thousands of other
15 ICU patients. So it doesn't actually for them
16 -- they are much happier.

17 We actually have a separate risk-
18 adjusted measure that we publicly report for
19 the coronary bypass. If we try to push the
20 coronary bypass patients into that thing, the
21 thoracic surgeons would have a fit because --

22 DR. O'CONNOR: We have seen that.

23 MR. DUDLEY: Yes.

24 CHAIR YAWN: They have fits, you
25 know --

26 MR. DUDLEY: No comment.

27 DR. NEFF: So you would sort of
28 parallel that with you would have a separate
29 sort of mortality measure for them? There
30 would be a separate length-of-stay measure for
31 them?

32 MR. DUDLEY: Correct.

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1 DR. NEFF: I mean the same sort
2 of --

3 MR. DUDLEY: Yes.

4 DR. NEFF: So it would be kind of
5 parallel in that way?

6 MR. DUDLEY: Yes.

7 DR. NEFF: Okay.

8 CHAIR YAWN: Okay. So that really
9 is not a concern then. Okay. So that gives
10 us a "C" there.

11 DR. NEFF: Uh-hum.

12 CHAIR YAWN: All right. Is there a
13 4 --

14 DR. NEFF: I think 4e, data
15 collection strategy and implementation, I
16 think actually you have answered. The only
17 thing I had had in there was whether it was
18 really going to be easier or not than some of
19 the other sort of acuity assessment and length
20 of stay, sort of as you described the APACHE
21 and SAPs and other things that actually took
22 longer than this.

23 So I would probably put this up to
24 a "C" then.

25 CHAIR YAWN: All right. And we've
26 got, let's just see quickly --

27 DR. NEFF: Oh, I did have one other
28 question. Why just the first 100 patients in
29 each quarter rather than a random sampling
30 throughout a quarter? Are you worried at all
31 about early-in-the-month bias or anything like
32 that?

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1 MR. DUDLEY: Well, everyone is
2 doing it the same way. So the point is
3 comparability. Also, by doing it that way,
4 you just make it easier for them. So, if you
5 have to do random samples, then they have to
6 send it out to someone who does the
7 randomization.

8 DR. NEFF: Yes, that's correct.

9 CHAIR YAWN: The only problem is
10 academic centers in July, when they get new
11 residents, you know, their July quarter may be
12 worse than the other two because the first 100
13 are probably taken care of.

14 MR. DUDLEY: Right, but they
15 actually --

16 CHAIR YAWN: Well, they run into
17 that.

18 MR. DUDLEY: No, I mean they want
19 it to go this way, too. Everybody wants it.
20 It is a big operation to do this. So they
21 want it to be easy.

22 CHAIR YAWN: No, I agree.

23 DR. NEFF: And presumably, you
24 could also, in the same way that we do for a
25 lot of measures, you could also classify
26 different hospitals in different categories,
27 right? So you could not only look at overall
28 comparison hospital to hospital, but if you
29 wanted, then, to look at hospitals less than
30 200 patients or ICU volume per year, or
31 whatever, or academic? And then you could
32 sort of say, well, this is why we are worse

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1 overall, but look how we are compared to those
2 of our own?

3 MR. DUDLEY: Right, but we
4 actually, for the public reporting option --

5 DR. NEFF: Yes.

6 MR. DUDLEY: So the hospitals get
7 their data quarterly. For the public
8 reporting option, it is a rolling 12 months.
9 So, if you have a July problem, that is one
10 quarter of your total data.

11 DR. NEFF: Uh-hum.

12 CHAIR YAWN: Well, and you have a
13 July problem every year probably.

14 Okay. Are we finished now?

15 DR. NEFF: Uh-hum.

16 CHAIR YAWN: Okay. Very good.
17 Well, thank you very much.

18 We are going to take a quick break
19 for lunch. We are going to have a working
20 lunch because we hope to get through, we need
21 to get through the mortality measure for this,
22 and we have got to get to at least one of your
23 measures, since you are here. Well, I said at
24 least one. And we have about an hour and a
25 half to go.

26 So lunch, please. Grab it and come
27 back.

28 (Whereupon, the foregoing matter
29 went off the record at 12:29 p.m. for lunch
30 and went back on the record at 12:40 p.m.)

31

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1 in their dataset and nationally as well. Lots
2 of factors that go into that, but, certainly,
3 always on the list of everything everybody
4 wants to track. So opportunity for
5 standardizing tracking, comparing, publicly
6 reporting.

7 CHAIR YAWN: So 1b is a "C"?

8 DR. NEFF: As well.

9 CHAIR YAWN: Yes. Okay.

10 DR. NEFF: And then, I am sorry I
11 have those on here, instead of on my remit.

12 Outcome or evidence to support the
13 measure focus, I think really, basically, I
14 don't think I've got anything here that was --
15 trying to prevent death. Basically, whether
16 you look at randomized trials, observational
17 studies, all risks, things that you are always
18 having mortality as an outcome measure. I
19 don't think, unless there was something
20 otherwise very specific in this particular
21 subset, I had it as "C" as well.

22 CHAIR YAWN: Yes, this one seems to
23 be a pretty straightforward "C".

24 DR. NEFF: Yes.

25 CHAIR YAWN: Okay. We got that.

26 DR. NEFF: Okay. It is like trying
27 to find something in a category --

28 CHAIR YAWN: Do we have strengths,
29 weaknesses? Okay.

30 DR. NEFF: For the measure, lots of
31 variability across institutions. It is hard
32 to know what variables might impact this

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1 outcome, though. So you never know for sure
2 if you have everything in your model, but
3 nothing unique to this measure.

4 MS. PACE: Does the model have a
5 socioeconomic status in it?

6 CHAIR YAWN: Yes. So you could
7 look by this --

8 MR. DUDLEY: It does not -- sorry.
9 It does not, and there will be disparities.

10 CHAIR YAWN: Yes, and so we could
11 assess disparities.

12 MR. DUDLEY: Yes.

13 CHAIR YAWN: So there is a reason
14 for it not to be in the model.

15 DR. NEFF: Right. It is not
16 there --

17 CHAIR YAWN: But you pull that
18 information usually in some way when the
19 patient is admitted to the hospital.

20 DR. NEFF: You haven't lost it by
21 adjusting for it. So it is there.

22 MR. DUDLEY: No.

23 CHAIR YAWN: Right. That is, I
24 think, the important part because he says it
25 doesn't take into account and adjust for it.
26 Well, we didn't want it to adjust for it. So
27 that is okay. So what is the weakness
28 actually is sort of a strength.

29 DR. NEFF: Is a strength, yes.

30 MR. DUDLEY: It is a strength, yes.

31 CHAIR YAWN: Right.

32 MS. PACE: And that is actually in

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1 our criteria, the guidance in our criteria.

2 CHAIR YAWN: Yes. But when we send
3 this on --

4 MS. PACE: Right, right.

5 CHAIR YAWN: -- we need to move it
6 to a strength instead of a weakness.

7 Okay, 2?

8 DR. NEFF: Pretty darn precisely
9 specified.

10 (Laughter.)

11 CHAIR YAWN: Okay.

12 DR. NEFF: You know, basically,
13 they have the same criteria that we just
14 talked about in the last study in terms of ICU
15 for four hours, greater than 18. So this is
16 adults, not the kids. Isolating out the
17 traumas, burns, CABG patients, for all the
18 reasons we discussed the last time.

19 I didn't see that anything there
20 seemed odd.

21 You just have to ignore my "P's".
22 I think I was in one of those, like when you
23 have evaluate and you have the five, and you
24 always do four, and you never do five. I have
25 nothing specific on this other than --

26 CHAIR YAWN: I just had a question
27 about 18.

28 DR. NEFF: Age of 18?

29 CHAIR YAWN: Yes. This says
30 greater than 18.

31 DR. NEFF: Oh, 18 and over.

32 CHAIR YAWN: What do most things

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1 say about adults? Don't most people say
2 adults are 18 and over?

3 MR. DUDLEY: It should be 18 and
4 over.

5 DR. NEFF: Uh-hum.

6 CHAIR YAWN: Okay. This one just
7 happens to say greater than 18 years of age.
8 So we need to --

9 MR. DUDLEY: It should be greater
10 than or equal to.

11 CHAIR YAWN: Okay. So we need to
12 change that?

13 MR. DUDLEY: Yes, please. Sorry
14 about that.

15 CHAIR YAWN: Thank you. We will.

16 DR. NEFF: And actually, in their
17 exclusions, they have less than 18. So that
18 is great. So, if you are 18, you want in --

19 DR. NEFF: Too bad.

20 (Laughter.)

21 CHAIR YAWN: You just have
22 excluded. Well, I think there are some 18-
23 year-olds, yes. Let's move forward.

24 (Laughter.)

25 DR. NEFF: Okay. Let me go on down
26 to b.

27 CHAIR YAWN: Okay.

28 DR. NEFF: Hold on.

29 CHAIR YAWN: And this is very
30 similar to the way it was tested with the
31 other one.

32 DR. NEFF: Yes, exactly.

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1 CHAIR YAWN: So it was a "C"
2 before, and --

3 DR. NEFF: It was a "C" before. I
4 had a "C" again.

5 CHAIR YAWN: All right.

6 DR. NEFF: And I don't think I had
7 any other -- I have no other. Five percent
8 random sampling, auditors, blah, blah, blah.

9 About validity testing, the same
10 thing, the 40 percent subset, the 60 percent
11 doing the model.

12 CHAIR YAWN: Okay.

13 DR. NEFF: All very legitimate.

14 DR. MILLARD: I have on question.

15 DR. NEFF: Yes.

16 DR. MILLARD: It seems to me some
17 of the data probably in our hospital around
18 palliative care is that moving to hospice,
19 this doesn't -- this says we don't care
20 whether or not they were palliative care, if
21 they were made DNR. This is just mortality,
22 correct?

23 MR. DUDLEY: I they went to the
24 ICU.

25 DR. MILLARD: If they went to the
26 ICU.

27 MR. DUDLEY: If they have just come
28 to your hospital for palliative and they never
29 go to the ICU, then it is not an issue.

30 DR. MILLARD: But if they go to the
31 ICU and then they are made palliative care,
32 that still counts?

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1 MR. DUDLEY: Right.
2 MS. PACE: Well, is it -- but DNR,
3 you say?
4 DR. NEFF: No, not in this one.
5 CHAIR YAWN: No. They are still,
6 even if they are not --
7 MR. DUDLEY: They are not excluded
8 from the population.
9 MS. PACE: Oh, okay.
10 DR. MILLARD: So, unless they are
11 made an DNR within four hours, no?
12 MR. DUDLEY: No, unless they are
13 taken out of the ICU within four hours.
14 CHAIR YAWN: Right.
15 MR. DUDLEY: So the point here is
16 some people are saying, oh, well, I admit
17 people who are palliative care to the ICU.
18 DR. NEFF: Right.
19 MR. DUDLEY: The response from the
20 community is: why on earth are you admitting
21 those people? We are not going to give you
22 credit for admitting those people to the ICU.
23 CHAIR YAWN: Well, and I think the
24 four hours ICU is very reasonable because a
25 lot of hospitals use it for post-op for a
26 certain group of patients --
27 MR. DUDLEY: Right.
28 CHAIR YAWN: -- because they don't
29 have recovery open in the middle of the night.
30 MR. DUDLEY: Right.
31 CHAIR YAWN: So I think that is one
32 of the reasons for that four-hour, they are

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1 out of there. Okay?

2 So 2c is "C"?

3 DR. NEFF: 2c is "C", yes. I had
4 it as a "P", but only before the --

5 CHAIR YAWN: Because you were just
6 into --

7 DR. NEFF: Well, I was into "P",
8 but it was also my concern about excluding big
9 chunks of people in these other categories.
10 So I am up to "C" there now.

11 CHAIR YAWN: Okay. So 2b,
12 justification for exclusion.

13 DR. NEFF: Oh, sorry. That is
14 where I just was. Hang on.

15 Oh, yes, because 2c was a "C".

16 CHAIR YAWN: Uh-hum.

17 DR. NEFF: 2b actually is a "C"
18 because we have explanation for the traumas,
19 burns, CABG.

20 CHAIR YAWN: Okay.

21 DR. NEFF: So it is "C" there.

22 CHAIR YAWN: So it is fine there.
23 So 2e?

24 DR. NEFF: And then 2e, this is a
25 similar issue. This is, actually, I think,
26 the same description we had for the others.

27 MS. PACE: Right, and it was
28 actually the risk model stuff was actually
29 under validity.

30 DR. NEFF: Yes. Validity, yes. It
31 was just moved into the section, and all
32 appropriately done without any concern. I

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1 mean they have adjusted for what they know. I
2 mean you know --

3 CHAIR YAWN: So "C"?

4 DR. NEFF: There were no glaring
5 deficits that I could see.

6 CHAIR YAWN: All right.

7 DR. NEFF: So it is "C".

8 CHAIR YAWN: So 2e is a "C". And
9 2f?

10 DR. NEFF: Similarly, we have
11 ranges -- well --

12 CHAIR YAWN: This one has been
13 publicly reported. So this one we are using
14 publicly-reported data --

15 DR. NEFF: Yes.

16 CHAIR YAWN: -- to show that there
17 are --

18 DR. NEFF: The differences.

19 CHAIR YAWN: -- opportunities for
20 improvement.

21 DR. NEFF: That's true. That makes
22 it easier.

23 CHAIR YAWN: Yes.

24 DR. NEFF: And then, similarly,
25 well, comparison in 2g, multiple data sources.

26 CHAIR YAWN: That would be "C"?

27 DR. NEFF: Yes.

28 MR. DUDLEY: So can I just clarify?

29 DR. NEFF: Uh-hum.

30 CHAIR YAWN: You may.

31 MR. DUDLEY: Because I afraid of
32 what happens after I leave. So everything for

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1 your review, all the way up through 2f now, is
2 a "C"?

3 CHAIR YAWN: That is correct.

4 MR. DUDLEY: And those are from
5 Margaret, Margaret's review through f is a
6 "C"?

7 DR. NEFF: Uh-hum.

8 MR. DUDLEY: Okay.

9 DR. NEFF: By 2f is a "C".

10 MR. DUDLEY: No, I mean everything,
11 1a through 2f is a "C"?

12 DR. NEFF: Yes.

13 MR. DUDLEY: Okay.

14 CHAIR YAWN: So far.

15 MR. DUDLEY: I just want to make
16 sure it gets recorded that way.

17 DR. O'CONNOR: I get the sense that
18 I am getting this report card.

19 (Laughter.)

20 DR. NEFF: I think that is what is
21 happening.

22 MS. PACE: Can I stop for one
23 second? I just want to ask a question about,
24 in the list of risk model variables, you have
25 "received CPR". So received CPR when? Is
26 that even if it is the final event?

27 MR. DUDLEY: No, no, no, it's not.

28 CHAIR YAWN: It is before.

29 MR. DUDLEY: Yes, this is before.

30 MS. PACE: Okay. I just wanted to
31 make sure. Okay.

32 CHAIR YAWN: Well, and it is within

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1 a certain period of time before.

2 MR. DUDLEY: Yes. So everything in
3 this model goes within one hour either
4 direction of ICU.

5 MS. PACE: Okay.

6 CHAIR YAWN: Okay.

7 DR. NEFF: Okay. So we were down
8 to 2g. Actually, we had a "C" on that.

9 Then disparities in care, kind of
10 the same issue we discussed. It is available
11 in the model, in fact, because it wasn't
12 adjusted for. So it could be analyzed, should
13 it choose to.

14 And I think in terms of strengths
15 and weaknesses, this will be data actually
16 that, although sort of some version of it may
17 be in the project impact not readily available
18 for use, it is going to be publicly reported.

19 It is easier to do than APACHE, all those
20 sorts of things. So I didn't have any
21 actually other issues.

22 CHAIR YAWN: Well, then, our other
23 reviewer has a couple of issues. One is the
24 change in code status. I don't know how you
25 get that.

26 DR. NEFF: Which point is he?
27 Sorry.

28 CHAIR YAWN: It is c; although it
29 takes into account full code versus full code,
30 it doesn't take into account somebody's status
31 changes while they are in the unit. I have no
32 idea how you would ever do that, and I would

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1 think that might be biased potentially, too.
2 Because if someone gets really sick, they
3 might change.

4 DR. NEFF: Right.

5 MS. PACE: And we would want risk
6 variables to be present at the start there,
7 not something --

8 MR. DUDLEY: As for Weakness A on
9 the screen there that we don't get details of
10 the severity of each illness, that is correct.

11 So that is true. But we don't really view it
12 as a weakness, but rather as a strength for
13 the following reason: APACHE does, but if you
14 use MPM or APACHE, you get the same
15 assessments of hospital quality, but you spend
16 three times as much effort getting the APACHE
17 data. So it turns out that getting that
18 additional data doesn't have a substantive
19 impact on a hospital's performance ratings.
20 So we intentionally not --

21 CHAIR YAWN: Okay. Thank you.

22 All right, and e and the
23 weaknesses, and the APACHE and all of those, I
24 think you have addressed those.

25 Lead time, we have addressed that
26 previously.

27 Okay. So we are down to 3.

28 DR. NEFF: We are down to 3. Yes,
29 it is pretty understandable.

30 CHAIR YAWN: Yes, it is pretty
31 straightforward.

32 DR. NEFF: Yes.

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1 CHAIR YAWN: Alive or dead, yes.

2 MS. PACE: And I think the other
3 issue that I just was rattling in my brain is
4 in a way, what does it add to kind of some of
5 the other models that are out there?
6 Obviously, some of the time-saving and then,
7 also, I don't know if you would say other sort
8 of more specificity or more easily done or
9 this sort of approach to predicting mortality,
10 as opposed to all the other ones that are out
11 there.

12 MR. DUDLEY: The main thing is it
13 gives you the same assessment. It is not
14 quite as accurate on a patient-by-patient
15 thing, but across hospital populations it
16 gives you the same assessment for much less
17 cost.

18 CHAIR YAWN: And it is not intended
19 as mortality prediction score.

20 MR. DUDLEY: For individual
21 patients, no.

22 CHAIR YAWN: No. So that doesn't
23 matter.

24 DR. NEFF: Okay. So then, based on
25 that --

26 MR. DUDLEY: I don't know how this
27 process works, but we just rolled past in 3a
28 a "P" from the reviewer.

29 CHAIR YAWN: No, I know. I saw it.

30 MR. DUDLEY: What are the
31 implications of that?

32 CHAIR YAWN: If you go back up -- I

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1 don't know. See, it says, "was not
2 specifically tested for interpretability, but
3 overall the website was tested and is widely
4 used." I think that is why he gave it a "P",
5 is that he didn't think you had tested it.

6 MR. DUDLEY: I guess, but is it any
7 different than any other mortality measure?

8 CHAIR YAWN: Oh, no. No.

9 MR. DUDLEY: Okay.

10 CHAIR YAWN: But that is why we
11 just, overall, it is a "C".

12 DR. NEFF: Yes.

13 CHAIR YAWN: I just chose to ignore
14 his "P".

15 MR. DUDLEY: Okay.

16 DR. NEFF: Yes. Because in the
17 context of the conversation --

18 MR. DUDLEY: In the process, does
19 his "P" matter anymore?

20 DR. NEFF: No.

21 MR. DUDLEY: No?

22 DR. NEFF: Well, I mean it does to
23 make sure that we are thinking about all of
24 these things, but in the context of the added
25 conversation here, it is more --

26 MR. DUDLEY: And what goes on to
27 the Steering Committee will be the "C"?

28 DR. NEFF: Correct.

29 CHAIR YAWN: That is correct.

30 MR. DUDLEY: I do care. This is
31 very important.

32 (Laughter.)

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1 I care.

2 CHAIR YAWN: You started out as an
3 internist once in your life, didn't you?

4 MR. DUDLEY: I did.

5 CHAIR YAWN: I am married to one.
6 He is also obsessive/compulsive.

7 (Laughter.)

8 MR. DUDLEY: I just want it proved.

9 CHAIR YAWN: I know. I know.

10 DR. O'CONNOR: He prefers the word
11 "focused".

12 (Laughter.)

13 CHAIR YAWN: I like the word
14 "obsessive/compulsive".

15 MR. DUDLEY: I'll deal with OCD.
16 That's all right.

17 CHAIR YAWN: If you live with one,
18 believe me.

19 (Laughter.)

20 Okay.

21 DR. NEFF: So we are pretty much in
22 the same --

23 CHAIR YAWN: 3e, "C"?

24 DR. NEFF: Yes.

25 CHAIR YAWN: It is the age issue.
26 Now we know it is 18 and over.

27 DR. NEFF: Right.

28 CHAIR YAWN: I'm sorry.

29 DR. NEFF: And there is really
30 nothing -- I mean adults -- children are
31 children.

32 And distinctive or additive value,

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1 in a way, it is not applicable, but it is also
2 mostly entirely meaningful. So it says "C"
3 and "NA" at the same time.

4 CHAIR YAWN: Right. Yes, it is
5 good that it is not additive.

6 DR. NEFF: It is good that it is
7 not additive, right. And I put easier than
8 APACHE, would be data will be widely used.

9 CHAIR YAWN: All right.

10 DR. NEFF: So then we are down to
11 feasibility.

12 CHAIR YAWN: Wait a minute.

13 DR. NEFF: Oh, no? Oh, sorry.

14 Patient and family goals, the same
15 thing that we have dealt with --

16 CHAIR YAWN: A, the weakness, we
17 have said they do take it into account in the
18 DNR, as best we can figure it out.

19 B is not provide insights as to
20 cause -- oh, okay.

21 CHAIR YAWN: Of poor performance.

22 DR. NEFF: Oh, yes.

23 CHAIR YAWN: Well, yes, okay.

24 DR. NEFF: But that is why we are
25 tracking it.

26 MS. WINKLER: Do you have a comment
27 on that? I mean in terms of how hospitals
28 responded and used the data for quality
29 improvement efforts.

30 MR. DUDLEY: Yes. The care is so
31 heterogeneous, the poor performance can come
32 from a lot of things. It may be your

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1 ventilator strategy, whether or not and how
2 you feed people, timeliness of antibiotics. It
3 can be a ton of things.

4 We have two collaboratives, one in
5 the southern part of the State and one in the
6 northern part of the State, where they are
7 getting together and people who do well are
8 saying what they do. And some of it will be
9 applicable and different to your hospital if
10 you are doing poorly, and some of it will be
11 the same. So you try to pick out the pieces.

12 MS. PACE: I will just make a
13 comment, too. We often get this comment about
14 outcome measures. It doesn't tell you exactly
15 what to do. But it can be different for each
16 hospital.

17 So the idea is you look at where
18 you are not doing so well, and then you have
19 to investigate what is the cause.

20 MR. DUDLEY: Yes. In my
21 experience, in the absence of measuring the
22 outcome first, no one investigates. So you
23 have to start to measure it, and then you get
24 to the understanding.

25 CHAIR YAWN: Well, and this is not
26 an outcome measure that says every patient is
27 admitted to the hospital's mortality. This is
28 a more limited group of patients. So I mean I
29 can understand when somebody says, okay, let's
30 give our overall mortality rate per year for
31 God knows what. Well, that is not very
32 helpful to me.

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1 But this is a very specific group
2 of people, especially since they have pulled
3 out the burns and the bypass, and all those
4 other people. You now have a pretty limited
5 group of people who are usually there. So I
6 think that that is how we answer that one.

7 All right?

8 DR. NEFF: So, then, we are at 4,
9 which is exactly, I think, the same issues we
10 had before. There is still coding,
11 abstraction that needs to be done by someone
12 other than the person that is doing the
13 clinical data. Then the electronic source of
14 what they have, it is readily available. Do
15 you know what I mean? What is currently
16 available? So I think we are doing "M" and
17 the "C" is how we are --

18 CHAIR YAWN: I don't know that this
19 one is, though.

20 DR. NEFF: Okay.

21 CHAIR YAWN: Is there any hospital
22 now that doesn't electronically have the
23 fact -- well, if they don't know about the
24 unit, whether they are in the ICU. Okay.
25 They all have electronically that they are
26 dead.

27 MS. WINKLER: But they need the
28 risk factors.

29 CHAIR YAWN: Yes. Okay. Got you.

30 MS. WINKLER: It is the same issue.

31 CHAIR YAWN: Okay.

32 MS. WINKLER: Not specific to the

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1 study, just electronic --

2 CHAIR YAWN: I am sorry, you are
3 going to get an "M" whether you like it or
4 not. So there.

5 (Laughter.)

6 MR. DUDLEY: As long as it is only
7 one.

8 MS. WINKLER: One per study.

9 DR. NEFF: It is a weird "M". It
10 is an across-the-board "M".

11 Nothing weird about the exclusions
12 that requires additional data. So that is a
13 "C".

14 And then, really, the same
15 discussion we had about avoiding the high-risk
16 patients. There is good reason for that. So
17 I put a "C" there as well.

18 CHAIR YAWN: All right.

19 DR. NEFF: And, really, I just have
20 feasibility, just in terms of the handout.

21 CHAIR YAWN: Okay. Let's see --

22 DR. NEFF: And that is no different
23 for anybody else.

24 CHAIR YAWN: Well, the weaknesses
25 he has, I think you have discussed them
26 already.

27 DR. NEFF: Yes.

28 MS. WINKLER: I just wanted to
29 verify -- scroll up just a little bit,
30 Alexis -- in terms of the model is readily
31 available; anybody can adopt it. The cost
32 would really be involved in just data

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1 abstraction, you know, personnel versus
2 electronic, you invest or not.

3 DR. NEFF: Right.

4 MS. WINKLER: So that is also a
5 significant feasibility issue, actually.

6 MR. DUDLEY: Do you care that we
7 give away the -- so you can put electronic
8 software -- we have software that you can put
9 into your computer system. Then you could
10 report the data directly to us, and we would
11 give that away for free. And that is true for
12 this one and the linking one.

13 MS. WINKLER: It certainly doesn't
14 hurt. We care. It is a nice characteristic.

15 MR. DUDLEY: And we give away the
16 data collection forms, if you don't want to
17 send us the data.

18 CHAIR YAWN: It doesn't get you a
19 "C-plus". I'm sorry.

20 (Laughter.)

21 MR. DUDLEY: But I tried, though.

22 MS. WINKLER: It's a good thing.

23 CHAIR YAWN: Yes. No, it is, and
24 we will mention it as a strength.

25 MS. WINKLER: Of the feasibility?

26 CHAIR YAWN: Yes, that you will
27 give them that prepared data and --

28 DR. NEFF: It's not restricted?

29 MS. WINKLER: I guess one question.

30 You are building your data model or your risk
31 model off of a portion of your sample from
32 California. If this were to be nationalized,

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1 if you will, strategies for remaking the risk
2 model on a national sample?

3 MR. DUDLEY: Well, the reality is
4 that you have to re-estimate the risk model
5 continuously anyway.

6 MS. WINKLER: Right.

7 MR. DUDLEY: And you should do that
8 for whatever population you want to do. So,
9 if Barbara decides in Minnesota we want to do
10 it, then they shouldn't accept anyone's model,
11 a national model, a Rhode Island model, a
12 California model. They should look at the
13 risk data from Minnesota.

14 But, even when they have done it,
15 that model, in reality, is probably only good
16 for a day, but we only turn it over every
17 quarter, and we recalculate it every quarter.

18 So that there is no way -- because what is
19 happening across the country, and it is a good
20 thing, but it is happening faster in
21 California, I think because of this public
22 reporting, is that mortality rates are going
23 down for any given level of risk.

24 So you want to constantly be
25 updating and reflecting where performance is
26 today.

27 CHAIR YAWN: So, again, that is a
28 strength of very rapid reassessment of the
29 risk model.

30 DR. NEFF: And kind of the
31 importance of having support for whatever
32 model system you are using. So you are not

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1 just buying a box, the software, and
2 forgetting about it for five years and using
3 the same thing. You have to kind of --

4 CHAIR YAWN: He likes to do that
5 yadda yadda.

6 (Laughter.)

7 MR. DUDLEY: Tweet, tweet, yadda
8 yadda.

9 (Laughter.)

10 CHAIR YAWN: We don't yadda yadda;
11 we tweet. But he yadda yaddas.

12 Okay.

13 MR. DUDLEY: Give me cookies and
14 I'll do anything.

15 CHAIR YAWN: Thank you very much.
16 We appreciate it. Feel free to stay and eat
17 more cookies or leave, whichever works for
18 you.

19 MR. DUDLEY: If I eat more cookies,
20 I won't fit out the door.

21 MS. WINKLER: Well, thank you very
22 much because I know it was a long trip for you
23 to come and talk with us.

24 CHAIR YAWN: Yes.

25 MR. DUDLEY: Thank you.

26 CHAIR YAWN: We appreciate it.

27 Okay, we are going to move on now.

28 Which ones do we have?

29 MS. FORMAN: Maybe we can do COPD.

30 CHAIR YAWN: All right, let's do
31 COPD.

32 MS. FORMAN: Okay. That is Neff

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1 and Millard.

2 CHAIR YAWN: And which number?

3 MS. FORMAN: I'm sorry, it is 18.

4 CHAIR YAWN: Eighteen.

5 DR. RASTOGI: So just a quick
6 overview about it. This measure is kind of
7 not a standard NQF type of thing that has been
8 there in the past.

9 He is creating an episode-based
10 construct here. Many of the measures that are
11 competing, and we have 21 ECRs that we have
12 been working on. So there are 21 measures
13 that he was having to finally submit.

14 And they have a common framework.
15 We defined the episode triggers. We defined
16 the length or the time window for that
17 episode, and then it is completely claims-
18 based, you know. At this point, we haven't
19 been able to include what we call Channel 2 or
20 Channel 3 data, where we would have EMR
21 information or patient-specific information.

22 So the only information for patient
23 purposes is only demographics, age, and
24 gender, and then an enrollment file, whether
25 they enrolled as they had planned, and for
26 what time period.

27 Then these measures that we are
28 developing, it is not directly meant for
29 provider performance measurement, but it is
30 more for provider self-improvement. So they
31 can look at their own results over time and
32 see how they are working towards improvement.

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1 So we don't intend to have it used
2 as a provider profiling mechanism. However,
3 we do intend to use it for public reporting.
4 We would give population-based information.
5 So, in Minnesota, the percentage of patients
6 who had potentially avoidable complications in
7 a COPD setting are "X", and in California it
8 is "Y". So those kinds of information and
9 detail won't be available.

10 So the potentially-avoidable
11 complications, which is the crux of the matter
12 here, are what we are measuring, and there are
13 several of them. The most important in these
14 chronic conditions is hospitalizations. So
15 all hospitalizations that happen during this
16 time window are considered potentially
17 avoidable if they are related to the initial
18 index condition. So when we say related, we
19 have to try to make sure that that
20 hospitalization is not for an unrelated
21 condition, for example, hip replacement in
22 COPD.

23 But the main idea behind it is, can
24 we keep the patients out of the ER? Can we
25 keep them out of the hospitalization, out of
26 the hospital?

27 The idea is not to say no
28 hospitalizations have to happen, but the
29 admission, the percentage of COPD patients
30 that do get admitted and the percentage of
31 COPD patients that do end up in the ER, and
32 then try to get a trend over time, can provide

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1 us work towards decreasing that rate.

2 We also make available more
3 actionable data. So, besides
4 hospitalizations, if they have other
5 conditions which have been flagged or labeled
6 as potentially avoidable complications, things
7 which may be across the board because this is
8 a patient-centered approach, so if they have
9 a urinary tract infection, they have defib
10 thrombosis, they have pneumonias, they have
11 other things that are going on, you know, what
12 is the incidence of that particular PAC, as we
13 call it, and over time can that be reduced?

14 So the incentive in the cost-
15 sharing model, it is a shared savings model
16 that ultimately is being proposed as the
17 PROMETHEUS payment architecture. That is kind
18 of the full picture of it, but the limited
19 piece is the patient outcome measures for
20 using the potential avoidance of
21 complications.

22 CHAIR YAWN: Good. Thank you.

23 All right. And are you the first
24 reviewer?

25 DR. MILLARD: I am, and I have to
26 confess that I have spent more time on this, I
27 mean on this one thing, than everything else,
28 review of the other. I do not understand the
29 model. I do not understand the use of the
30 different -- the inclusion of what seemed to
31 be singularly unrelated diagnoses.

32 So, as a clinician just trying to

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1 make sense, and not as a statistician, I
2 understand kind of where you are going. And
3 certainly, when you said this is part of 21
4 different -- so that is the reason why all
5 these other illnesses are that, and I have a
6 problem with, therefore, saying, we are saying
7 the percent -- what we are really saying is
8 not the proportion of COPD exacerbations that
9 have potentially avoidable complications from
10 COPD, but we are saying the patients with COPD
11 who have potentially avoidable complications
12 in general unrelated to COPD. Because how is
13 urinary tract infection related to COPD?

14 DR. RASTOGI: So you are absolutely
15 right that some of it is confusing, but we are
16 thinking in terms of a patient-centered
17 approach. So if you think in terms of this
18 medical home model, or whatever, the physician
19 or the treating provider is supposed to look
20 at the patient as a whole. If, during his
21 watch, while he is caring for COPD, the
22 patient develops a urinary tract infection,
23 then that could have been something that could
24 have been managed proactively. That is all we
25 are saying, right?

26 So many of these PACs, I agree, are
27 across the board, across all episodes that we
28 are doing, and they are pretty much common.
29 There are episode-specific PACs, but then
30 there are some which are common across the
31 board.

32 CHAIR YAWN: Could you help me by

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1 telling me, when you give us data -- say
2 Minnesota is far too large a group -- we will
3 say for southeast Minnesota, are you going to
4 tell me what the PACs are? Because it really
5 isn't very helpful to me to say 87 percent of
6 all my people with COPD had one of these. So
7 what?

8 DR. RASTOGI: And that is exactly
9 what I said. We make the data actionable. In
10 one of the files that we have provided to you,
11 you can see if the hospitalizations are there,
12 you can see what were the causes of
13 hospitalizations. So we say, what is the
14 percentage of patients who had
15 hospitalizations and what were the chief
16 drivers of hospitalization, the frequency and
17 the cost associated with it.

18 CHAIR YAWN: Okay. So, if I have
19 70 patients submitted with COPD or who have
20 COPD and were admitted, you are saying that
21 you believe it is actionable if you tell me 30
22 percent of those were due to a hip fracture,
23 10 percent were due to thrombophlebitis, and
24 50 percent were due to pneumonia?

25 DR. RASTOGI: Right, and then we
26 have drill-down capabilities. So we have
27 produced like the standardized SAS programs,
28 which we are making available to all the
29 health plans. So that right now 11 different
30 databases it has been tried on. They use the
31 same standardized SAS package.

32 So the data that comes out is

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1 exactly the same. So we can compare it from
2 one client to the other or one employer base
3 to the other.

4 Once you look at the percentage --
5 so, say, you say, oh, hip fractures are very
6 common in my population. You could drill down
7 and see exactly how many patients and what
8 patients, the names of the patients who had
9 this problem. Then, if you wanted to do a
10 retrospective reconciliation, you could go
11 down and do a chart review, or whatever.

12 So that is how it has been
13 implemented for pilot sites across the
14 country. So the physicians who are -- and
15 from Minnesota, Medicare is participating,
16 Health Partners is participating, and there
17 are other groups that are also looking into
18 it.

19 So, when they run the data through
20 this, they look at exactly what patients, they
21 define the COPD patients, what were the
22 complications that we are calling as PACs, and
23 on the professional side as well as on the
24 state side, and what are the costs associated
25 with that, and then trying to see why is a
26 certain potentially avoidable complication
27 more prevalent in a given population.

28 CHAIR YAWN: So it really only
29 works with a health plan?

30 DR. RASTOGI: Well, we have the
31 employee coalition --

32 CHAIR YAWN: But that doesn't help

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1 me much, as an individual physician, because,
2 yes, this patient is employed by, let's say,
3 IBM, but I only take care of their left leg
4 because they have six other specialists who
5 take care of all the other pieces. How does
6 this work for me to get actionable information
7 out of this?

8 DR. RASTOGI: Yes, and it is a very
9 good point you raise because we have been so
10 ingrained in the fee-for-services these days,
11 everything is encounter-based, and a patient
12 body limb- or part-based. You know, we are
13 not really looking at the whole patient.

14 So moving to an episode-based
15 approach is kind of changing the paradigm a
16 little bit, trying to get the providers to
17 focus on everything that is going on with the
18 patient.

19 But how most of the people are
20 using it, like, for example, Medicare, and the
21 population, the whole medical population,
22 through the database, then they passed it out
23 into Fairview Clinic, this kind of thing.

24 CHAIR YAWN: Oh, right. They have
25 people that are responsible for that patient's
26 care?

27 DR. RASTOGI: Yes.

28 CHAIR YAWN: In fee-for-service, I
29 don't have that at all.

30 DR. RASTOGI: Yes.

31 CHAIR YAWN: So, again, an HMO,
32 maybe managed care, Medicare and managed care

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1 Medicaid, what percentage of the population
2 does that represent in the United States?

3 DR. RASTOGI: Right. And when you
4 go down from the --

5 CHAIR YAWN: But do you know? I am
6 asking you a question.

7 DR. RASTOGI: Okay.

8 CHAIR YAWN: Do you know what
9 percentage of the U.S. population is covered
10 by managed care, Medicaid managed care, or
11 Medicare managed care?

12 DR. RASTOGI: Well, I can look up
13 the numbers.

14 CHAIR YAWN: I don't know, but that
15 seems who this applies to, but it would be
16 very hard to apply it to other groups. I am
17 just trying to get a sense of that.

18 DR. RASTOGI: Why would it be hard
19 to apply to other groups?

20 CHAIR YAWN: Well, again, I do fee-
21 for-service.

22 DR. RASTOGI: Yes, this is also
23 fee-for-service. This is completely in a
24 commercial database. It is not in the HMO
25 population.

26 CHAIR YAWN: Oh, the ones you
27 mentioned are all HMO populations. Medicare
28 is; Health Partners is.

29 DR. RASTOGI: No, I am giving an
30 example of who is using it. Now, in Rockford,
31 Illinois, that is the Employee Coalition on
32 Health, they have a very different system,

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1 right? And they have three big hospital
2 systems that are participating in it, right?
3 Partners in Massachusetts, they are completely
4 different, right? Crozer-Keystone in
5 Pennsylvania, it is different. Geisinger has
6 taken this thing, documented it, is running
7 through the CMS system, the data piece.

8 So people are running these
9 programs onto different databases. The way
10 the payment system will work is very different
11 than with outcome measures that we are
12 presenting today, right?

13 The payment reform that is coming
14 through -- we are not talking about
15 accountable care entities or something. We
16 are talking about a system we can work out how
17 the payment reform would be and how the
18 providers would be made responsible in a
19 shared-savings model.

20 CHAIR YAWN: Yes, I am not worried
21 about the payment so much as I am worried
22 about the actionable items.

23 DR. RASTOGI: Sure.

24 DR. NEFF: Can I ask you one
25 question, I think semi-related, but just to
26 get a feel for this?

27 DR. RASTOGI: Yes.

28 DR. NEFF: So the measure is
29 proportion of COPD patients that had
30 potentially avoidable complications, and there
31 is a whole list of potentially avoidable
32 complications. Is the assumption that those

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1 complications are somehow related to their
2 care of their COPD? Or is it totally that
3 this just happens to be a COPD population, and
4 you are looking at all these bad things that
5 can happen?

6 DR. RASTOGI: Okay.

7 DR. NEFF: I mean, is it anything
8 specific about it being COPD?

9 DR. RASTOGI: Yes. So the sequence
10 by which it goes is you start the trigger. So
11 the patient has to have a COPD trigger. Then
12 you look for one year's worth of claims,
13 starting from the trigger date. During that
14 time window, all the things that come for that
15 patient are looked in, and there's a filter
16 logic that works.

17 So, if a claim has a COPD-related
18 diagnosis code on it, then the claim gets
19 filtered then as relevant to COPD care. If it
20 doesn't have one of those filter codes, then
21 it is considered as irrelevant to COPD care
22 and it is taken out.

23 Now, of all the claims that do get
24 considered as relevant, then they are sorted
25 out into whether they are typical or PACs,
26 based on these definitions. So, if they have
27 a single PAC code, then that claim gets put
28 into the PAC bucket or the others get put into
29 the typical --

30 DR. O'CONNOR: There are more than
31 50 of these associated PACs?

32 DR. RASTOGI: Right, there could

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1 be. I haven't counted, but it varies from --

2 DR. O'CONNOR: Yes, well, there
3 are. If you think they are struggling on the
4 adult side with the COPD, can you imagine me
5 struggling on the pediatric side, looking at
6 these 50-plus --

7 CHAIR YAWN: For asthma, yes.

8 DR. O'CONNOR: -- for children with
9 asthma.

10 CHAIR YAWN: Yes. Well, but they
11 seem to be the same for children for asthma
12 and adults with COPD.

13 DR. NEFF: They are just like any
14 bad thing that could happen to you.

15 CHAIR YAWN: And if I had a patient
16 with -- oh, I don't know -- hypertension,
17 would they be the same?

18 DR. RASTOGI: Similar, you know,
19 and like hypertensive emergency would be
20 specific for hypertension, but, yes, urinary
21 tract infection would be common. Pneumonia
22 would also be there for hypertension.

23 CHAIR YAWN: And diabetic emergency
24 --

25 DR. RASTOGI: Yes.

26 CHAIR YAWN: -- with hyper- or
27 hypoglycemia?

28 DR. RASTOGI: Yes.

29 CHAIR YAWN: Okay. I think that is
30 where we are having our problem because --

31 DR. RASTOGI: Because we don't
32 think of patient-centered these days, right?

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1 CHAIR YAWN: Well, some of us do.
2 I mean I am a family physician. Yes, I do,
3 but my specialty colleagues here don't.

4 DR. RASTOGI: I am a specialist,
5 too.

6 CHAIR YAWN: I understand. Yes,
7 you take care of left or right coronary
8 arteries. I understand that.

9 DR. NEFF: And I guess it doesn't
10 seem that this is necessarily unique to COPD
11 patients. Maybe that is what I am struggling
12 with. This is just is you could almost stick
13 anything in the slot and then run this list of
14 complications and then print out a report?

15 DR. RASTOGI: Yes. There are some
16 which are specific, but you are right, most of
17 them are not, right. Most of them, you are
18 right, are anything bad that can happen that
19 could be avoidable, but when the actual data
20 comes out and you could see that -- I don't
21 know if you can bring up that Excel worksheet
22 that we had attached, but it is called "Risk
23 Adjustment".

24 And you could look at the -- the
25 outputs are different, you know. So, when you
26 look at the COPD population, the top drivers
27 are pneumonia, lung complications, et cetera.

28 You do see some DBTs and all that, but they
29 are low down in frequency, right?

30 When you look at an asthma
31 population and adjust for the pediatric, then
32 the top drivers are different.

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1 So each provider could look at
2 their specification, say, "What for my
3 patients?" Now, you're right, we don't have a
4 provider database which goes across health
5 plans at the time being. We are trying to
6 reach out to others who are advocate for
7 provider specifikator, and then see if we
8 could run it on that.

9 But, you know, we are using
10 whatever these administrative claims databases
11 is aggregated, and over there in these large
12 databases we can see what is actionable, based
13 on what percentage of patients have a certain
14 complication, and they drill down to the
15 provider.

16 CHAIR YAWN: So are you trying to
17 suggest that these could be very useful
18 because you spend all the time and energy
19 getting all these PACs, and then you can put
20 pretty much any patient population at the
21 front end?

22 Are you trying to make efficiency?
23 Is that why you are doing it this way?

24 DR. RASTOGI: The reason is, if you
25 think in terms of a particular patient, right,
26 and say you are a primary care provider, you
27 have a patient who has COPD and they end up in
28 the hospital with acute myocardial infarction,
29 right? Would you completely wash off your
30 hands and say, "That has nothing to do with
31 me."? No.

32 CHAIR YAWN: Most people with COPD

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1 die of heart disease.

2 DR. RASTOGI: Yes.

3 CHAIR YAWN: But I don't take care
4 of the patient in the hospital anyway.

5 DR. RASTOGI: Exact.

6 CHAIR YAWN: A hospitalist does.

7 DR. MILLARD: I think that sort of
8 the systems issue or the primary issue that I
9 think I went into this review of this with is
10 trying to figure out specific avoidable
11 complications directly related to COPD. Maybe
12 that is the subspecialist trap, recognizing
13 that, as my fellowship director said, yes, I
14 did an internal medicine residency, too. So I
15 mean I need to look at the whole patient.

16 But I went with the assumption that
17 these -- and the problem that I had
18 logistically with this process was that I kept
19 trying to figure out what does urinary tract
20 infection have to do with COPD, and that isn't
21 well-described upfront in the model. You have
22 described it better. I understand it better.

23 I think this is really more chronic
24 disease, potentially avoidable complications,
25 because I suspect you could put in CHF; you
26 could put in chronic renal failure; you could
27 put in a lot of things, diabetes, and you
28 would have the same PACs. Then you could go
29 forward with this very nicely.

30 But I think if you use the single
31 -- there is just an issue of perhaps syntax
32 when you say this is COPD, patients with PACs.

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1 It makes you feel like you are looking
2 through the lens of a COPD patient, as opposed
3 to patient. They may have COPD, but they are
4 really what they are. And that changes the
5 entire evaluation process.

6 DR. RASTOGI: Yes, and to some
7 extent, it is specific to COPD patients, based
8 on how I described about the claims, you know.

9 So, then, we look at, say the same patient
10 also has congestive heart failure, right? So
11 they would be, for the same patient, there may
12 be another set of claims that get put, right?

13 So, for the first patient, for that patient,
14 when you are looking from COPD lens, there are
15 a handful of claims that get put in. But when
16 we look at it from the CHF point of view,
17 there may be another handful of claims that
18 get put in.

19 Now I agree with you that some of
20 it is based on coding practices. If the
21 coding is not very good or complete, you may
22 pull a different set of claims versus another.

23 But to the extent that we believe that is all
24 that is available to us, and in administrative
25 claims data, then we are evaluating a
26 particular patient based on the condition that
27 is the trigger.

28 CHAIR YAWN: I think that one of
29 the things that it is a very different model
30 to think about patient-centered for an
31 individual patient and then a quality-of-care
32 measure for something that would go across

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1 specialty and primary care and who is
2 responsible for what, and how do we figure out
3 what is actionable? I think that is part of
4 our issue.

5 DR. RASTOGI: Yes.

6 CHAIR YAWN: So let's try to see if
7 we can go on and see what happens as we go on
8 through some of the very specific --

9 MS. WINKLER: Just one question or
10 clarification. The level of analysis for this
11 measure would be plan, system, large group,
12 and it would not -- so you are talking about
13 those large entities that would compile all of
14 them?

15 CHAIR YAWN: But it would have to
16 be a very large system.

17 DR. O'CONNOR: It would have to
18 also, if you fast-forward and say, from this
19 data, you get this information, and you had
20 variations across the country, then we are
21 left with, well, there are 53 conditions in
22 there. And even though each one might be
23 actionable, you say to yourself, what's the
24 next step? I mean, how does this lead to
25 quality improvement?

26 MS. WINKLER: Do you have any
27 experience with what the people who are using
28 it do?

29 DR. RASTOGI: Right. And you know,
30 the database has been run, like we said, and
31 this here is, 2010 is our implementation year,
32 where people are starting to work toward

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1 practice re-engineering. So they identify two
2 or three big drivers of cost, and they try to
3 focus into that and say, how can we reduce it?

4 Geisinger Health System has adopted
5 a similar improvement care model where they
6 have the elements of practice re-engineering,
7 right? So, of course, they don't have the
8 chronic care model. They just had the
9 coronary bypass, cardiac surgery, so more the
10 procedural ones.

11 So they have taken all chronic
12 care, you know, program, a SAS program,
13 normally identify the issues and now they are
14 working on practice re-engineering on specific
15 ways of improving, you know, to decrease the
16 PAC rates.

17 CHAIR YAWN: So this model hasn't
18 really been tested either -- I mean you are in
19 the process of?

20 DR. RASTOGI: Yes, it has been
21 tested to the extent that we can measure the
22 PAC rates or the proportion of patients who
23 have PACs. Now maybe their PAC rates will
24 decrease over time. That part has not been
25 tested.

26 CHAIR YAWN: Okay. And if I have
27 patients from five insurance companies and you
28 have collected from an insurance company, how
29 are you going to aggregate my patients?

30 DR. RASTOGI: Yes. So it is not
31 provider-specific right now. Okay?

32 CHAIR YAWN: Okay.

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1 DR. RASTOGI: To the extent -- if
2 all five health plans participate in this
3 project, then we would be able to get
4 information from five different. So, for
5 example, Crozer-Keystone is a provider system,
6 and they have Aetna and IBC data. So both of
7 those plans ran this model. Okay? And they
8 put patients specific to Crozer-Keystone, and
9 then have identified -- and they have very
10 similar overlapping results.

11 They were able to say, okay, these
12 are the cost drivers. Now our aim is to
13 decrease these PACs.

14 CHAIR YAWN: Okay.

15 DR. MILLARD: Does NQF want, were
16 you looking for a COPD-specific outcome
17 measurement or were you looking for a general
18 outcome? Were you looking for PACs or were
19 you looking for COPD-specific PACs?

20 MS. WINKLER: All of the above are
21 possible. We didn't focus it specifically.

22 DR. MILLARD: Okay.

23 MS. WINKLER: I mean the call for
24 measures looked for both cross-cutting,
25 condition-specific outcome measures. So slice
26 it any way you want to.

27 CHAIR YAWN: I think let's go
28 ahead.

29 DR. O'CONNOR: To call this a COPD
30 measure is a misnomer then.

31 CHAIR YAWN: Well, these are
32 measures of PACs in patients with COPD, as it

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1 is specified right here.

2 DR. O'CONNOR: And the PACs are not
3 related to their having the COPD.

4 DR. NEFF: Some are. Some get this
5 link, right?

6 DR. RASTOGI: That is exactly
7 right.

8 DR. MILLARD: But urinary tract
9 infection I think is a PAC.

10 DR. NEFF: But it wouldn't
11 necessarily be associated with COPD.

12 DR. O'CONNOR: No, she said it was.

13 CHAIR YAWN: But we would still get
14 that information. What he is saying is it
15 probably wouldn't show up very often. So it
16 wouldn't be one of the drivers and probably
17 wouldn't be what you would choose.

18 DR. RASTOGI: But if the claim had
19 both COPD and UTI in the diagnosis codes, then
20 it will get pulled in, right? If they didn't
21 have any COPD diagnosis concerns, so if they
22 just put an office visit to a urologist and he
23 just wrote "for urinary tract infection",
24 didn't put the COPD, then it would fall out.

25 DR. NEFF: So it is not trying to
26 link the complication to somehow being related
27 in some sort of physiologic way. It is just
28 whether they are both showing up on the note
29 or on the claim at the same time?

30 CHAIR YAWN: And that is why she is
31 saying that the patient --

32 DR. MILLARD: But the patient has

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1 COPD.

2 CHAIR YAWN: Yes.

3 DR. RASTOGI: The patient has COPD.
4 That is sort of a trigger.

5 DR. MILLARD: Okay. Yes. So my
6 patient with COPD that I see in my general
7 medical practice, unbeknownst to me ends up in
8 an ER with urinary incontinence, with urinary
9 retention. There's no code for COPD on the ER
10 visit for urinary retention, but it is still
11 tracks as a PAC to that patient?

12 DR. RASTOGI: Yes. If there is no
13 procedure done for him, say it was -- then it
14 gets excluded, okay? Right.

15 DR. MILLARD: Okay, but the point
16 is that, if they go to the urologist, and the
17 urologist doesn't have to code the COPD, but
18 I've already coded that patient as COPD
19 earlier, it will still track to that
20 diagnosis, correct?

21 DR. RASTOGI: No, no. On that
22 particular visit. So say they went to a
23 urologist.

24 DR. MILLARD: What is the
25 difference between a PAC over a year's period
26 of time -- a PAC over a year's period of time
27 will take all the visits in aggregate, won't
28 it?

29 DR. RASTOGI: It looks at it claim
30 by claim, and it looks at one year's worth of
31 claims. And for every claim, it makes a
32 determination if it has a COPD-related printer

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1 code or not.

2 So, if it was completely unrelated
3 to COPD, and the doctor doesn't code for COPD,
4 then that claim gets thrown out.

5 DR. MILLARD: Even if he has been
6 seen in the year previously for --

7 DR. RASTOGI: If the COPD is a
8 chronic condition --

9 MS. PACE: So say a patient went to
10 the pulmonologist, and that pulmonologist
11 identified that they had a urinary tract
12 infection.

13 DR. RASTOGI: Yes.

14 MS. PACE: So, on that claim, it
15 would have, and so it would show up. But if
16 the patient, through another vehicle, went
17 directly to a --

18 DR. RASTOGI: A urologist.

19 MS. PACE: -- urologist, and they
20 didn't put "COPD" on, then the UTI wouldn't
21 show up?

22 DR. RASTOGI: Right, and that is
23 the filter process, right?

24 CHAIR YAWN: But that is actually a
25 huge problem because people who have
26 fragmented care are going to look like they
27 have many fewer PACs than my patient-centered
28 care, where, yes, every time the patient walks
29 through the door, I am probably going to put
30 down they have COPD, if it is reasonably
31 severe, and everything else they have.

32 But my colleague down the street

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1 who is a cardiologist doesn't put COPD and
2 puts all of those other things, and so they
3 don't ever turn out to be PACs for that
4 patient.

5 DR. RASTOGI: Right, and it is a
6 good point you raise because that is exactly
7 what I was saying. It all depends on the
8 coding practices. You know, to the extent
9 that the coding --

10 CHAIR YAWN: Well, it depends on
11 where the patient is taken care of, too.

12 DR. RASTOGI: Yes.

13 CHAIR YAWN: I mean it is much more
14 likely in a patient who has fragmented care
15 that they are going to look better. This is
16 one of the things that we, as generalists,
17 worry a lot about. If the patient has totally
18 fragmented care, they are going to come out
19 looking better than a patient whose care is
20 all put together, and somebody knows they have
21 a urinary tract infection, they have COPD,
22 they have congestive heart failure.

23 DR. RASTOGI: Yes.

24 DR. O'CONNOR: Yes, and PCP.

25 CHAIR YAWN: Yes, I know, because I
26 am taking care of a whole patient, and you
27 guys are giving him medicines that conflict.

28 DR. RASTOGI: Yes. And we look at
29 it more from the provider attribution point of
30 view. So, if a urologist is taking care of
31 the urinary tract infection, should he be
32 attributed COPD or not, right? So is the

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1 urologist responsible for COPD?

2 CHAIR YAWN: Yes.

3 DR. RASTOGI: And to the extent
4 he's coding for COPD, he is taking care of
5 COPD, he is recorded. Then he will be
6 considered responsible, right?

7 CHAIR YAWN: Well, but he's as
8 responsible as I am for the fact that, when he
9 gives the patient the drug that causes
10 whatever, and has a side effect that is a
11 pulmonary side effect, but he doesn't know it,
12 so he doesn't code COPD, then he is not
13 responsible. But I am because I have to take
14 care of the mess he made or she made.

15 DR. RASTOGI: Right. You know, we
16 can win both ways because we present it to our
17 design team members both ways. You know, the
18 initial model was we were including all the
19 claims that were coming through for one year's
20 worth, and if they didn't have an exclusion
21 code, like if they didn't have a major
22 procedure or something like that, and they
23 didn't get excluded, then all of the claims
24 were included.

25 But then the question from the
26 design team and some of the pulmonologists on
27 the design team was that this is being taken
28 care of by a urologist, and it is not really a
29 COPD-related problem.

30 So the printer logic kind of
31 decreases the -- you know, to the extent a
32 coding happens, and they code for everything,

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1 whether they are taking care of it or not, so
2 that during that office visit you did nothing
3 for COPD and you code for COPD, it is kind of,
4 you know --

5 CHAIR YAWN: But I just think it
6 sounds like your design team -- I don't know
7 if you had any primary care people on it, but
8 I would bet that would be the distinction, and
9 one group would say let's do it this way, and
10 the other group is saying let's do it this
11 way. Because you sound like you have a
12 measure that works for one group, but it
13 doesn't work for the other.

14 DR. O'CONNOR: The other thing --
15 pardon me -- is the choice of the term
16 "avoidable complication". For example, some
17 of these things in here, skin and lung care,
18 they may not be avoidable complications. Use
19 of a splint, how does that qualify as an
20 avoidable complication?

21 CHAIR YAWN: Well, if you hadn't
22 fallen down, you wouldn't have needed the
23 splint.

24 DR. O'CONNOR: Well, that is my
25 point. I mean some of these aren't
26 complications. These are the way we treat
27 patients. I mean I am struggling with the use
28 of the term "a potentially avoidable
29 complication".

30 DR. RASTOGI: Right, and some of
31 these are aggregates of codes. So the names
32 on them may just be a representation of the

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1 coding that is behind it, and you could drill
2 down and see, you know, the codes that
3 aggregate up to that.

4 CHAIR YAWN: Did you take into
5 account -- I mean reviewers, people who have
6 worked on ambulatory-sensitive conditions --
7 did you look at those before you chose your
8 PACs?

9 DR. RASTOGI: That is exactly how
10 it started.

11 CHAIR YAWN: And is a fracture an
12 ambulatory-sensitive condition?

13 DR. RASTOGI: The PACs that we have
14 used are the ones which AHRQ has defined, you
15 know, for these chronic conditions. All
16 right? So those are the ones that --

17 CHAIR YAWN: As avoidable?

18 DR. RASTOGI: As avoidable. That
19 is this hospitalization for ESEs becomes
20 avoidable complications.

21 CHAIR YAWN: Okay. All right.

22 DR. RASTOGI: Then the HACs, you
23 know, the hospital-acquired conditions, are
24 also part of --

25 CHAIR YAWN: Oh, yes. Now
26 hospital-acquired, those are certainly
27 potentially avoidable if you never get in a
28 hospital in the first place. So I don't have
29 a problem with that.

30 But let's, please, just go ahead
31 and try to go through and see what happens.
32 Okay?

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1 DR. RASTOGI: Okay.

2 DR. MILLARD: Margaret, if you
3 could help me on this?

4 DR. NEFF: Oh, yes, I've got your
5 back.

6 (Laughter.)

7 DR. MILLARD: Oh, okay. Okay.

8 DR. NEFF: We're all together.

9 CHAIR YAWN: You know, I did the
10 two asthma which looked exactly like this,
11 except it says the word "asthma", and they
12 were different age groups. So I think all
13 four of us have been through this, and we can
14 sort of help each other.

15 Okay. So let's go to 1a.

16 DR. O'CONNOR: This could be the
17 killer right here.

18 DR. MILLARD: Importance of measure
19 to report.

20 DR. NEFF: So it is aimed at
21 prevention. I mean that is clearly -- which
22 is generally always a good thing. I think,
23 then, there is the issue of how it translates
24 into use, but, clearly, the intent is a
25 preventative one.

26 CHAIR YAWN: Okay. So 1c? Are you
27 comfortable --

28 DR. O'CONNOR: Basically, it says
29 here, the first question is, "Extent to which
30 the measure focuses...is important to make
31 significant gains in the healthcare quality
32 and improving health outcomes."

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1 DR. NEFF: But then we go down to
2 the subcriteria.

3 CHAIR YAWN: So demonstrated high-
4 impact aspect of healthcare. Summary of
5 evidence citation. This is 1a.

6 DR. NEFF: But isn't there also, if
7 you meet one of the MPM key goals, you sort of
8 already are there, even before you get into
9 all the other --

10 MS. PACE: For 1a.

11 DR. NEFF: For 1a.

12 MS. PACE: Only for 1a.

13 CHAIR YAWN: So I mean I think it
14 is sort of the given "C" before you even
15 start.

16 DR. NEFF: Just by virtue of the
17 things it hits, even if you don't get into the
18 concept of whether it is having an high
19 impact.

20 CHAIR YAWN: Yes. I don't think
21 this is one where we should spend a lot of
22 discussion.

23 DR. NEFF: Right.

24 CHAIR YAWN: I think we all have
25 better discriminating discussion later.

26 Okay, 1b.

27 DR. MILLARD: 1b, opportunity for
28 improvement. Demonstrating performance gaps
29 across providers. Well, by definition,
30 therefore, this is would be an "N", therefore,
31 because you have said this is not provider-
32 specific.

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1 DR. RASTOGI: Right, it is
2 population-based.

3 DR. MILLARD: This is population-
4 specific.

5 CHAIR YAWN: Right. So, when it is
6 population-specific, it makes it tough for me
7 to --

8 MS. PACE: If you look at the
9 actual statement in the criteria, it is across
10 providers and/or population groups, which
11 relates to -- we may have made that too small
12 in terms of providers. I mean we do allow for
13 measures as a health plan level or population
14 level. So that is a good point out to us that
15 we may have to fix that language.

16 DR. MILLARD: Okay. So long as we
17 can, because I mean it is --

18 MS. PACE: Exactly. I understand
19 what you are saying. But I think, because it
20 is at the health system level --

21 CHAIR YAWN: But it is at an
22 insurer level frequently, and that is a huge
23 problem for a specific group trying to
24 improve. Because if I have seven --

25 MS. PACE: Right.

26 CHAIR YAWN: -- insurers and only
27 one agrees to give me the data, maybe they
28 have very few of my patients, and it may not
29 work for me. So there is that problem.

30 MS. PACE: Right.

31 CHAIR YAWN: This needs to be a
32 very widespread --

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1 MS. PACE: Right. Okay.

2 DR. MILLARD: Now, in terms of
3 citations, the Hogan article just merely says
4 COPD patients who get hospitalized have lots
5 of chronic illnesses.

6 CHAIR YAWN: Right.

7 DR. MILLARD: How is that sort of
8 relevant to this issue of performance gap? I
9 mean I am not sure -- I wasn't able to access
10 the sustainable medical home report. I didn't
11 have time to get to that. But the issue is, I
12 mean, is there literature that suggests -- I
13 mean I guess there is plenty of literature
14 when you just look at the PAC, when you look
15 at the general trend. Some of them, 90
16 percent of some base populations and 64
17 percent of other patient populations have it.
18 So, obviously, there is performance gap
19 measurings.

20 So do you want to say "C" on this
21 and move on? Because this is --

22 CHAIR YAWN: Yes, go ahead.

23 DR. MILLARD: Okay. Outcome or
24 evidence support measure focus. Here we have,
25 I think, a real issue of, when there is a
26 summary of evidence and you use the ability to
27 reduce hospitalizations and ER visits by 31 to
28 50 percent by aggressive pharmacologic
29 management of COPD, that is pharma data from
30 very selected populations that are incredibly
31 -- I think most of that has to do with pharma-
32 related phase 3 trials and not necessarily

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1 generalizable to wild-type --

2 CHAIR YAWN: Wild-type patients.

3 (Laughter.)

4 CHAIR YAWN: Also, it depends on
5 what you choose as your drivers, whether
6 pharmacological therapy is going to make any
7 difference or not.

8 DR. MILLARD: See, the evidence
9 cited here is essentially related to COPD, not
10 disease-specific, not this generalized.

11 DR. O'CONNOR: Relevant to the
12 target population.

13 DR. NEFF: Right. So then that
14 gets at, what are we actually trying --

15 DR. MILLARD: Yes.

16 DR. NEFF: -- so are we trying to
17 look here -- if you are trying to support
18 this, we have evidence to support the measure.

19 Are we trying to support interventions for
20 COPD that prevent complications?

21 DR. RASTOGI: Yes, and what we saw
22 in the example that she was showing, that the
23 chief drivers or the main PACs are the COPD-
24 related ones. They are the pneumonia. They
25 are the respiratory insufficiency. The last
26 two PACs are the ones that you need to look
27 at.

28 CHAIR YAWN: So, then, why do we
29 bother to do all the others? It just seems
30 like a tremendous amount of data collection if
31 we already know what the main drivers are.

32 DR. RASTOGI: Yes, the detail is

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1 already there. There's nothing new that you
2 have to do for collection because it is all
3 already available. It is just that the SAS
4 program has churned through it.

5 Now, if you exclude the other PACs
6 and just keep them -- we didn't know what
7 would show up when we initially started up
8 with this whole analysis. This is after the
9 fact, if you look at it now. If it weren't,
10 you know, you could go and refine them.

11 But most people found this
12 information very helpful. You know, we ran it
13 through quite a few medical directors, the
14 different health plans, the actual providers
15 in the community who had agreed to take
16 payment through the PROMETHEUS system. They
17 didn't have a problem, but delete the other
18 PACs, you know.

19 DR. NEFF: So do we think it is odd
20 that that PAC 30, the acute exacerbation of
21 COPD and asthma is so low?

22 DR. RASTOGI: We could look at the
23 exact coding behind it, and I could tell you
24 exactly what the --

25 DR. NEFF: Okay. Well, why are
26 there so few --

27 DR. O'CONNOR: It doesn't pass the
28 smell test.

29 CHAIR YAWN: The what?

30 DR. O'CONNOR: It doesn't pass the
31 smell test.

32 CHAIR YAWN: No, it doesn't.

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1 DR. NEFF: So few exacerbations and
2 fewer than there are phlebitis.

3 DR. O'CONNOR: Episodes of
4 septicemia.

5 DR. NEFF: Yes.

6 CHAIR YAWN: In the COPD
7 population.

8 DR. NEFF: Right.

9 DR. RASTOGI: But the acute
10 exacerbation of COPD announcement was the
11 full-length of people in 541.2. So that is
12 the status, asthmatic, exercise-induced
13 bronchial spasm, acute bronchitis and
14 bronchiolitis, COPD with acute exacerbation,
15 491.2, 541.2.

16 So all that is in the spreadsheet
17 which I just opened up. But there are about
18 six or seven types of codes that can be put
19 together in that.

20 CHAIR YAWN: Most people would code
21 a hospitalization which is specifically for
22 COPD as an exacerbation by definition or an ED
23 visit that just has a COPD code as the first
24 code, as by definition an exacerbation.

25 So it sounds like the way that it
26 was specified may be a problem. Because if I
27 look at this and I take the top two or three,
28 okay, I am going to need to deal with mental
29 health issues as a big driver for quality
30 improvement in my COPD patients.

31 DR. RASTOGI: Yes, and you are
32 right, this is the principal diagnosis that we

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1 have reported on. So, if patients with COPD
2 have been admitted and they have been reported
3 as principal diagnosis of this, then that is
4 what it is. You know, I can't change the
5 data.

6 CHAIR YAWN: No, I know, but the
7 problem is, when you use just this as the way
8 to identify them, it is the way that CMS pays
9 and DRGs, it really complicates the way you do
10 it. And the reason that most of us do not use
11 this when we are doing any kind of research --
12 I mean I would never use the first diagnosis
13 as deciding why somebody was in the hospital.

14 DR. RASTOGI: Okay. And, yes, it
15 is a good point you raise because we don't
16 believe in the DRGs, either, because DRGs give
17 bad incentives. You know, you get paid more
18 when you have a complication. So we have not
19 done any grouping by DRGs.

20 CHAIR YAWN: No, I understand that,
21 but the point is that in every hospital that
22 are a whole room full of coders. Now they
23 take what I write about what the patient came
24 in for and they rearrange it to make it with
25 the highest payment. So it is not why the
26 patient really came in. It is what gives us
27 the highest payment.

28 When you translate that, then, to
29 me doing a quality improvement program based
30 on what the coder decided would get paid the
31 most, it doesn't translate.

32 DR. RASTOGI: Exactly right. I

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1 agree with you that there's a lot of gaps
2 between the administrative detail and clinical
3 chart review. And this is not clinical at
4 all. It is all based on administrative --

5 CHAIR YAWN: But can I justify
6 doing a quality measure that gives me the
7 wrong answer --

8 DR. RASTOGI: No.

9 CHAIR YAWN: -- to what I should
10 improve?

11 DR. RASTOGI: This is the starting
12 point, and make everything -- Crozer-Keystone
13 is working just on knee replacement. Their
14 physicians, they have hired a consulting
15 physician who is just looking into: what are
16 the PACs? What are the drivers? They go back
17 into the charts and they say, was it really
18 hemorrhage when it is coded as hemorrhage.
19 And it is very interesting the results that
20 they find because sometimes it is not even
21 hemorrhage.

22 DR. O'CONNOR: But in that
23 situation, it is a potentially avoidable
24 complication of hip surgery.

25 DR. RASTOGI: Yes. And then when
26 they go back to clinical charts, it was that
27 there was no hemorrhage. It was just coded as
28 hemorrhage to get more money from CMS.

29 CHAIR YAWN: But, I mean, that is
30 something we all know about the difference
31 between coding and what is in the medical
32 record. I mean that was one of the things I

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1 was going to tell you about the asthma. You
2 are going to way over get asthma if you only
3 use one diagnosis. You are going to have 30
4 percent of the people who don't even have
5 asthma, in children anyway.

6 But what I am saying is the whole
7 basis for this, you said, unless I
8 misunderstood, what I am going to do is I am
9 going to find this out, and I am going to look
10 at this and say, "Oh, look at that," you know,
11 "19 percent of all the hospitalizations were
12 due to mental health." So, if I want improve
13 COPD care, I had better go work on mental
14 health issues.

15 DR. RASTOGI: But what you would do
16 is you would look at those 19 percent of your
17 patients, the 907, and you would say work with
18 the mental health behind it, right? Because
19 it is grouped up, it is bunched up at several
20 codes.

21 Like I told you, this data is
22 drillable. So you can drill down to the
23 patient level, and you can see, what are the
24 codes, what are the drivers, why was this
25 patient admitted, and what was the principal
26 diagnosis?

27 Now if you said that the principal
28 diagnosis is not what I want to go with, and
29 some other diagnosis, then you can pull their
30 charts. That would be more manual extraction.

31 Now I agree that, you know, we, as
32 physicians and clinicians, have a big problem

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1 with administrative data being used for
2 quality improvement purposes. What Francois,
3 with his Brilliance to Excellence efforts, he
4 is lining up, as you may know, for performance
5 and pay-for-performance programs. He has got
6 the EMR staff coming in. So he has got so
7 many health plans lined up. So he is getting
8 the Channel 2/Channel 3 data where we can get
9 the EMR, we can get the patient-specific
10 stuff.

11 But, at this point, we are --

12 CHAIR YAWN: But that isn't any of
13 this. We have to talk about this the way it
14 is.

15 DR. RASTOGI: Right. So, at this
16 point, we are not there. We just have
17 administrative data.

18 CHAIR YAWN: Okay.

19 DR. RASTOGI: We just have claims,
20 and if claims information is not good enough
21 for quality improvement, then, yes, I
22 understand.

23 CHAIR YAWN: This way, it might not
24 be.

25 MS. PACE: I just also want to make
26 a clarification that, you know, there is a
27 distinction between what the measure is that
28 is being considered for endorsement and the
29 data analysis that an individual might be able
30 to have access to to drill down.

31 So what is being presented is that
32 overall percent of COPD patients that have one

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1 of these complications, and that is what you
2 are presenting as being suitable for public
3 reporting, whether it is at a health plan or
4 system level. And this other information
5 would be available for people for quality
6 improvement, but this would not show up
7 anywhere based on what we are reviewing.

8 So I think we just need to keep
9 that in mind. I mean all this detail is good
10 in terms of how it was developed and then how
11 a provider might use it. But we also have to
12 keep in mind that the ultimate score that
13 would be reported would just be that general
14 percentage of patients that --

15 CHAIR YAWN: Right. So what we
16 have, let's go ahead and see. So the outcome
17 or evidence to support the measure focus,
18 where are we with that?

19 I personally don't think there is
20 yet any evidence. I think you are testing it
21 right now. I think there is no evidence to
22 support using this measure yet.

23 DR. RASTOGI: Right. That's right.

24 CHAIR YAWN: And in three years,
25 there may be, but right now I am going to say
26 that this is either minimal or none.

27 DR. RASTOGI: Okay. At this point,
28 we are just identifying the PACs.

29 CHAIR YAWN: Right.

30 DR. RASTOGI: And we think people
31 will become aware that these things are
32 happening. These are the reasons why your

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1 patients are getting to the hospital or they
2 are getting, you know --

3 CHAIR YAWN: Well, all you are
4 doing, it is right now a percent. So, right
5 now, what you are giving us, is there evidence
6 support that telling me 87 percent of my
7 patients with COPD have one of these 50 events
8 in a year, is that supportable? Is that
9 useful? Is that whatever? Can we say -- what
10 do we say about it here?

11 MS. PACE: Well, I think the
12 evidence is related to -- well, first of all,
13 is it an outcome? Of course, these are
14 outcomes. But, then, is there evidence that
15 there are care processes that affect these
16 outcomes?

17 So your issue about whether it is
18 useful or whether the measure is constructed
19 properly, I think are good questions. I am
20 not sure --

21 DR. O'CONNOR: The data doesn't
22 exist yet.

23 MS. PACE: That is what I am just
24 saying.

25 CHAIR YAWN: Is there data to say,
26 and I am saying I think there is minimal to no
27 data.

28 DR. NEFF: As it is right here.

29 CHAIR YAWN: Yes, as it is.

30 DR. NEFF: It is describing a lot
31 of other processes in place that could improve
32 upon this, but, as is, it is a little --

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1 DR. RASTOGI: Yes, and the
2 literature is showing, you know, some studies,
3 like they pointed out, Dr. Millard pointed out
4 that some studies are showing, just related to
5 pharmacy aggressive management, there are some
6 studies which are talking about
7 hospitalization and careful management, how
8 you can prevent hospitalizations related to
9 COPD.

10 DR. NEFF: Right.

11 CHAIR YAWN: But, again, those are
12 all drilling down. Those are not studies that
13 say, when I know 87 percent of my patients
14 have one or more of those PACs, then I know
15 what in the world to do with that 87 percent,
16 except go to your next step. We have no
17 evidence that anybody knows what to do with
18 that 87 percent at the moment.

19 DR. RASTOGI: That's right. And
20 you know, talking to various people who are in
21 this quality improvement world, they say it
22 starts with transparency, right? Once you
23 know what is going on and what are the
24 problems that are happening to these patients,
25 then they can act on it.

26 CHAIR YAWN: Oh, yes, you know, we
27 are not arguing about that. We are just
28 saying the measure, as constructed, what would
29 you like to give it? We need to move on to
30 the next step.

31 DR. MILLARD: "M".

32 CHAIR YAWN: "M". All right.

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1 DR. MILLARD: Then the strengths,
2 we can say it includes a panoply of
3 complications that are related to patients
4 with chronic disease, including COPD. And in
5 the weaknesses, we can say there is nothing
6 unique, specific, or directed that would
7 necessarily give us insight into improving the
8 care of COPD patients.

9 CHAIR YAWN: As constructed without
10 drilling down.

11 DR. MILLARD: Right.

12 CHAIR YAWN: Okay. All right.
13 Let's go to the next one, then.

14 DR. MILLARD: Two.

15 CHAIR YAWN: Two, measure
16 specifications.

17 DR. MILLARD: Numerator -- and this
18 has to do with who is included and who is not,
19 and the worksheet -- and it is anybody who has
20 one of those targeted trigger claims that is a
21 PAC-related --

22 DR. NEFF: Linked to COPD.

23 DR. MILLARD: Yes, links to COPD.

24 CHAIR YAWN: Okay. So that is the
25 numerator. Is there an exclusion? Can you go
26 down, please? In one of the others, there was
27 an exclusion for anyone who had that as their
28 first episode, had one of these PACs as their
29 first episode that year they were thrown out.

30 DR. RASTOGI: Yes, there was some
31 exclusions from the trigger, and it is not
32 that they are thrown out, but then for the

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1 same patient, we go forward until we find a
2 non-acute trigger claim. So the same patient,
3 if you start off in a hospital or you start
4 off with an acute exacerbation, then the
5 provider, so to say, has already inherited a
6 train wreck.

7 So we wait for the most stable
8 claim. That is when we trigger the COPD, and
9 then we go forward one year.

10 CHAIR YAWN: Yes, I guess that is
11 okay. I mean people who are train wrecks tend
12 to have more train wrecks. I mean that is
13 just, you know -- and the fact that you have
14 thrown everything and the kitchen sink in
15 there, I guess I can understand. But people
16 who have one exacerbation of COPD are the ones
17 at highest risk for having the next
18 exacerbation.

19 But this measure is that they have
20 one or more during the year. So that is why
21 you threw them out.

22 DR. RASTOGI: We haven't excluded
23 the patient --

24 CHAIR YAWN: Well, but for that
25 episode, you excluded that episode. If that
26 was the first one, you didn't count it. You
27 looked for the next episode.

28 DR. NEFF: You waited for the next
29 one.

30 DR. MILLARD: You went 30 days --

31 DR. RASTOGI: The next encounter,
32 right?

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1 CHAIR YAWN: Yes, the next
2 encounter.

3 DR. RASTOGI: Okay.

4 CHAIR YAWN: So I just think we
5 have to make people clear that the reason you
6 are doing that is because you are only
7 counting one per year. If you were counting
8 the number per year, it would make more sense
9 to not exclude those people. But because you
10 are just saying they are either in or they are
11 out, over a whole year having at least one
12 episode, I guess that is an acceptable
13 exclusion criteria. It would not be, in my
14 opinion, if you were counting the number of
15 episodes they have each year.

16 DR. MILLARD: No, doesn't it count
17 the number? I mean it is just you can't get
18 included as a numerator if you are not already
19 in the denominator.

20 DR. NEFF: Right.

21 CHAIR YAWN: I understand that, but
22 I mean just I wouldn't take them out of the
23 denominator if I were saying you could be in
24 the numerator 10 times.

25 DR. MILLARD: Okay. Right.

26 DR. RASTOGI: Right.

27 CHAIR YAWN: So, okay? All right.
28 So what do you want to do with that?

29 DR. MILLARD: So shall we give that
30 a "P" for partial, because we have questions
31 as to the numerators and denominators?

32 CHAIR YAWN: Well, is risk

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1 adjustment under this same thing, too? No.

2 MS. PACE: Well, this is just the
3 specification of the risk adjustment. The
4 actual testing and validation --

5 CHAIR YAWN: Yes, I know. I am
6 just saying all of the risk adjustment --

7 MS. PACE: Right.

8 CHAIR YAWN: -- is here, too.

9 DR. RASTOGI: Okay. So why would
10 you call it a "P", and what could make it a
11 "C"? Like the exclusion piece?

12 CHAIR YAWN: No. I am just trying
13 to see if there is something in risk
14 adjustment that makes it a "P". Why is it a
15 "P"?

16 DR. MILLARD: As opposed to a --

17 CHAIR YAWN: "C".

18 DR. MILLARD: Well, I have
19 questions about not including the denominator
20 as the first exacerbation of COPD. In other
21 words, if you are a new patient, never been
22 seen, the first time you are seen is because
23 of an exacerbation of COPD, you are not
24 counted until you have something else.
25 Patients with COPD do have, often they have
26 clusters --

27 CHAIR YAWN: Yes.

28 DR. MILLARD: -- but does that
29 underreport? If one of the potentially
30 avoidable complications is an exacerbation, I
31 can't understand why you wouldn't include that
32 as a --

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1 DR. RASTOGI: So, if you are
2 thinking in terms of a provider taking care of
3 COPD patients, and you know that COPD is a
4 chronic condition, you are just taking a
5 snapshot in time, right? A one-year, whether
6 you cut it here or you cut it here or you cut
7 it here, it doesn't really matter, right; it
8 is a COPD patient?

9 However, it matters if the patient
10 switches providers, right? They go to one
11 provider. This is another and another. And
12 certain providers get labeled as having more
13 PACs versus another, when they start off with
14 a patient.

15 DR. MILLARD: But you said it
16 wasn't going to be provider-specific.

17 CHAIR YAWN: We can't tell about
18 providers anyway.

19 DR. RASTOGI: Okay.

20 CHAIR YAWN: It would be more if
21 they changed insurance companies.

22 DR. RASTOGI: Yes. Sure.

23 CHAIR YAWN: So the first time you
24 see them from your insurance company.

25 DR. MILLARD: That is why I have
26 questions.

27 CHAIR YAWN: Okay.

28 DR. NEFF: It is just it is a
29 little confusing.

30 CHAIR YAWN: Oka.

31 DR. NEFF: I mean, as much as we
32 are sort of catching on, it is still a little

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1 hard for us to get our brain around the
2 categories.

3 CHAIR YAWN: Well, yes, and I think
4 the fact that, you know --

5 DR. RASTOGI: It is a slightly
6 different approach. You know, it is a
7 completely --

8 CHAIR YAWN: But you are also going
9 from, if they change providers, but this has
10 nothing to do with -- it depends on what your
11 definition of a provider is.

12 DR. RASTOGI: Exactly.

13 CHAIR YAWN: If your provider is an
14 insurance company, yes, you change insurance
15 companies and it might make a difference. But
16 if you change from one physician to the next,
17 since this isn't reported at the physician
18 level anyway, it doesn't matter.

19 So, okay, I think we will go with
20 the "P" because of that confusion that we
21 have. You may not have the confusion, but we
22 do.

23 DR. RASTOGI: Okay. Well, I could
24 clarify it, but we are running out of time.

25 CHAIR YAWN: We need to move on.

26 DR. RASTOGI: Yes, yes.

27 CHAIR YAWN: Okay. Go ahead.
28 Let's go on.

29 DR. MILLARD: 2b, reliability
30 testing. I don't have any --

31 MS. PACE: When you say you tested
32 the data on two datasets, but, okay, I guess

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1 maybe you did not do any formal reliability
2 testing. So this is issue that was brought up
3 about claims versus --

4 CHAIR YAWN: Medical records.

5 MS. PACE: You haven't done any
6 kind of testing to see how close or --

7 DR. RASTOGI: Right.

8 CHAIR YAWN: Right. So that I
9 think the reliability, because that is the
10 only way that I know you can test the
11 reliability. I mean we all know there is an
12 issue. We just don't know big an issue, and
13 it is probably different for different
14 conditions, and you have 50 thrown in there.
15 So we don't know.

16 DR. RASTOGI: And for different
17 health plans, right.

18 CHAIR YAWN: Certainly.

19 DR. RASTOGI: Yes.

20 CHAIR YAWN: So we are going to say
21 "N" for that, I think, because there isn't a
22 reliability test.

23 Okay, can you go on? Validity.

24 DR. MILLARD: Validity? Well, I
25 mean, is that --

26 CHAIR YAWN: That is face validity.

27 Those physicians are different face validity
28 than we saw. But any other kind of validity?

29 No, I guess test/retest. I can't imagine you
30 are going to get a whole lot different number
31 if you go to the same dataset and use the same
32 thing two weeks later, but any other kind of

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1 validity testing that should be included that
2 wasn't?

3 You're thinking, Karen; I can see.

4 MS. PACE: Well, I mean, you know,
5 in terms of the score, you know, do the kind
6 of scores that result from this measure,
7 correspond to something else that we know
8 about the quality at that level? So, at the
9 health plan level, it is a little harder to
10 know, but --

11 CHAIR YAWN: Well, also, when you
12 have, you know, 87 percent of everybody has
13 one of these or 74 percent, that was one of
14 the other problems I really had, is when
15 everybody's got them, yes, what does that
16 mean?

17 DR. RASTOGI: It means that we are
18 not really paying attention to quality, and we
19 are closing our eyes to what is happening in
20 the real world. Because we just focus on one
21 limb or one aspect of the patient rather than
22 the full patient.

23 CHAIR YAWN: Well, and that is the
24 U.S. healthcare system.

25 DR. RASTOGI: Exactly.

26 CHAIR YAWN: It is called having
27 some specialty care --

28 DR. RASTOGI: Yes.

29 CHAIR YAWN: -- instead of primary
30 care.

31 DR. RASTOGI: It is interesting
32 that the responses we saw, as we are going

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1 into the community presenting this stuff, that
2 physicians like the AGA approached me, the
3 American Gastroenterological Association.
4 They wanted to do the good in colonoscopy
5 measures. They sent two of the physicians to
6 work with me to just line out how to line up
7 the thing.

8 The same thing with pregnancy
9 delivery, you know, Dr. Elliott Main and Debra
10 Bingham from CMQCC, they approached me, and
11 they are like, "We want to help you develop
12 this for pregnancy delivery, so it has
13 meaning." So they sat down and said, "What's
14 that? What's typical? What's excluded?"
15 They went down the list and they said, "This
16 is what we want included."

17 CHAIR YAWN: Well, and I think you
18 are getting to exactly what the concern is of
19 the people here. We don't hear exactly that
20 you have done that for COPD.

21 DR. RASTOGI: Right. For COPD, we
22 presented --

23 CHAIR YAWN: We still have a very
24 big gunshot.

25 DR. RASTOGI: COPD was presented to
26 our design team, and they were -- I can get
27 you the names. They were three family
28 practitioners, one pharmacologist, two
29 cardiologists, Dr. Allan Kahn from Blue
30 Cross/Blue Shield, Mary Beth Rosenthal, et
31 cetera.

32 So there were people on the design

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1 team who have worked with measures and who
2 have worked with these kinds of issues, and it
3 went back and forth. This is a process that
4 has been going on now since 2006.

5 So, like I had mentioned in one of
6 my emails to Alexis, that version 1 was
7 initially developed, then 2, and now this is
8 the version 3 codes that have come out.

9 DR. NEFF: And I think the other
10 thing, as this evolves, because I mean I think
11 what you are hearing, too, is that there is a
12 lot of enthusiasm for the work you are doing
13 to try to figure out a good way to use
14 administrative data, because we know that in a
15 lot of cases that is what we are stuck with,
16 and nobody has really figured out a good way
17 to use it.

18 So, despite all of this, you know,
19 we encourage the effort. I think what you are
20 hearing from us, though, is just that it feels
21 weird when the codes that are on there are
22 just maybe the first-pass codes. So it may
23 not really reflect what drove them to the
24 visit, and then just the lack of maybe
25 specificity to COPD -- I would think if I were
26 in my gut summing up some of the persistent
27 themes kind of with this particular measure.
28 So it is fine, I mean --

29 CHAIR YAWN: Yes, and I apologize,
30 I really do have to go. But I think that we
31 have heard a lot of the --

32 MS. WINKLER: I would like to try

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1 to finish out this one, especially with all
2 the measures being very similar, I think,
3 going through it.

4 DR. RASTOGI: Yes.

5 MS. WINKLER: The transcript will
6 be available. We will be able to share it
7 with Barbara. But if we can just kind of
8 address each of these subcriteria --

9 DR. MILLARD: Barbara, what is your
10 vote on validity testing? What is your sense
11 of it?

12 CHAIR YAWN: Oh, I don't think they
13 have more than face validity.

14 DR. NEFF: So maybe an "M".

15 DR. MILLARD: "M"? Okay.

16 DR. NEFF: I mean because there are
17 groups that came up with it. We are just not
18 seeing it, but somebody did.

19 CHAIR YAWN: Yes. No.

20 DR. NEFF: I mean so there's --

21 CHAIR YAWN: Oh, it is not whether
22 their testing was right or wrong.

23 DR. NEFF: No.

24 CHAIR YAWN: It was that face
25 validity seems to be the only testing that has
26 been done for validity, which would make it
27 "M", I agree.

28 DR. MILLARD: Exclusions justified.
29 The inclusions are limited to very few
30 criteria. And most of these are pretty
31 straightforward.

32 I am not sure how you could get

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1 excluded if you had lung volume reduction
2 surgery if you didn't already have a diagnosis
3 of COPD. That's why. You have to have COPD
4 in order to have lung volume reduction
5 surgery.

6 DR. RASTOGI: Yes, but once you
7 have COPD and then you got lung volume
8 reduction surgery, then that patient gets
9 excluded. So it is a retrospective analysis.
10 You know, when we create the models, which
11 patients are finally selected into the models,
12 so this one they are removed.

13 DR. MILLARD: Why would you exclude
14 retrospectively patients for lung volume
15 reduction? They have bad COPD. They have
16 lots of complications.

17 DR. RASTOGI: That's right, and
18 then it would -- you know, the cost, because,
19 like I told you, this is more like a cost
20 model. The cost associated becomes a dog
21 versus a tail, you know, what's wagging what?
22 We didn't go into the costs associated with
23 that and the complications that may happen
24 after the volume to overwhelm that whole
25 episode.

26 DR. NEFF: So then thinking that
27 their visits subsequently are more a
28 consequence of their surgery and their LVRS
29 even though they still had COPD as the
30 original driver?

31 DR. RASTOGI: Yes.

32 DR. MILLARD: Can I ask an analysis

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1 -- one lung volume reduction surgery, they had
2 to suggest that you actually do better.

3 DR. RASTOGI: And I was thinking
4 more from terms of cure because I am a surgeon
5 and I have done some of those lung volumes.
6 So I said, okay, these patients just do so
7 much better. You know, maybe it would be like
8 a heart transplant.

9 DR. MILLARD: But they have general
10 --

11 DR. RASTOGI: Yes.

12 DR. MILLARD: But so many of the
13 PACs are non-pulmonary.

14 DR. RASTOGI: Uh-huh.

15 DR. MILLARD: I don't know. We can
16 say it is a "C".

17 MS. WINKLER: Any conclusion on
18 reading? For exclusions?

19 DR. MILLARD: On reading?

20 DR. NEFF: For whether exclusions
21 were justified.

22 DR. O'CONNOR: 2d.

23 DR. MILLARD: 2d, yes, I would say
24 "C".

25 DR. NEFF: Yes, okay. You exclude
26 patients that did not -- this is what I
27 underlined and was trying to remember -- did
28 not complete enrollment for the entire
29 episode. And that I thought was creating some
30 bias. Am I misreading that?

31 You excluded patients that did not
32 complete enrollment for the entire --

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1 DR. RASTOGI: So the enrollment
2 thing is, if they are enrolled with that
3 health plan, then some detail may go to some
4 other health plan. So we are thinking you are
5 not capturing that entire episode.

6 DR. NEFF: Okay.

7 DR. RASTOGI: That is how we were
8 looking at it.

9 DR. NEFF: Okay.

10 DR. O'CONNOR: But if the patient
11 stayed within the same health plan, I thought
12 I understood you in the beginning to say that
13 a patient who, let's say, was seen by
14 urologist who treated a urinary tract
15 infection, but didn't code for COPD, even
16 though the primary care physician had already
17 coded as COPD, you knew the patient had COPD,
18 that that UTI event was filtered out?

19 DR. RASTOGI: Yes, that particular
20 claim, yes.

21 DR. O'CONNOR: But if the UTI had
22 been seen by the primary care physician who
23 also coded for COPD and UTI, it would have
24 been filtered in?

25 DR. RASTOGI: Filtered in.

26 DR. O'CONNOR: I have a problem
27 with that because it is the same event, and it
28 is just being treated by the entry source.

29 DR. MILLARD: And that would be
30 program exclusions. Well, I would agree, yes.

31 DR. O'CONNOR: So I couldn't go
32 with a "C" on this.

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1 DR. MILLARD: You could say "M"?

2 DR. NEFF: I mean the bulk of this
3 may be pretty well-supported. I think there
4 are --

5 MS. PACE: And that is actually
6 related to the numerator because that patient
7 will still be in the denominator of COPD, but
8 how that event is counted --

9 DR. O'CONNOR: But the PAC --

10 MS. PACE: Right, exactly.

11 DR. O'CONNOR: -- won't be counted
12 the same way.

13 MS. PACE: Right, exactly.

14 DR. O'CONNOR: So I was trying to
15 support Margaret's use of a "P" rather than a
16 "C".

17 DR. NEFF: Yes.

18 DR. MILLARD: Okay. Fine, "P".

19 DR. RASTOGI: But the important
20 thing to remember is, to the extent that PAC
21 is a printer code, then those would be entered
22 in. Okay? So if they didn't put COPD, but
23 they put some of the codes that are there, as
24 a required PAC, then they would be filtered
25 in. Okay? And that is all in the expanded
26 trigger section. Right? So all the acute
27 exacerbations, some of the diverticular
28 disease, the tracheostomy, everything that is
29 on that page 2 of the triggers, which we call
30 expanded triggers, and those are included.

31 DR. NEFF: So those are included
32 regardless of whether they had COPD triggered

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1 with them? No?

2 DR. RASTOGI: Right. So, if they
3 didn't have a COPD code, but they had a
4 pneumonia code, right --

5 DR. NEFF: Uh-huh.

6 DR. RASTOGI: -- or they had a --

7 DR. NEFF: But not a UTI?

8 DR. RASTOGI: Yes, urinary tract
9 infection would be brought in.

10 DR. NEFF: Yes. Okay.

11 DR. RASTOGI: They are sort of
12 remotely linked to COPD.

13 DR. NEFF: Right.

14 DR. RASTOGI: But we didn't think
15 of them as printer codes, you know. But you
16 are right, like to the extent if somebody
17 overcodes and puts COPD and UTI, then they
18 would have the ITI code.

19 DR. NEFF: Yes.

20 DR. RASTOGI: But just with the
21 majority of the -- otherwise, there is so much
22 junk in the data; we will get rid of the
23 majority of the junk.

24 DR. NEFF: Okay.

25 DR. MILLARD: 2e, risk adjustment
26 for outcomes, resource use measures.

27 DR. RASTOGI: You know, a code 15
28 has stayed there for over 11 years now. So
29 you kind of know what gets put in when you put
30 some of these things in it.

31 DR. NEFF: Yes. Some of it is
32 primary more for function than maybe for --

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1 DR. RASTOGI: Yes. Yes, not so
2 much clinically, you know, Telesymmetry and
3 Engenics, and all. You see all kinds of
4 things there. When I go to the health market
5 episode-based group, you know, system, then
6 you will see, you know -- so working with
7 different databases, you realize that
8 sometimes to get the optimum results, you have
9 to create these kinds of --

10 DR. NEFF: Well, the trick, then,
11 is knowing what optimum there is. You know
12 what I mean? If you are sort of molding the
13 data, you've got to be pretty sure you're --

14 DR. RASTOGI: Yes, and that is why
15 that consistency is important, that if you
16 have the standardized SAS programs, and then
17 all the databases are run through the same
18 program, and that is available as a freeware
19 on our website.

20 DR. NEFF: Right.

21 DR. RASTOGI: So anybody can
22 down --

23 DR. NEFF: It is all right there?

24 DR. RASTOGI: Yes. Anybody can
25 download it and run it through the database.

26 DR. NEFF: Yes.

27 DR. RASTOGI: Then it could be
28 comparable across different populations.

29 DR. NEFF: So 2e, I think I was
30 lost in this, just because there was so much.

31 DR. O'CONNOR: Do you have a
32 biostatistician on staff?

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1 MS. PACE: No.

2 DR. O'CONNOR: No?

3 MS. PACE: No, uh-uh.

4 DR. O'CONNOR: You might consider
5 it.

6 MS. WINKLER: It is definitely
7 something we have talked about. We have
8 definitely talked about it.

9 DR. MILLARD: I would have to
10 recuse myself from the 2e because I don't -- I
11 mean, a bootstrap, I don't think I have ever
12 done a bootstrap in the old system in my life,
13 other than trying to figure out to put on
14 shoes.

15 DR. NEFF: Yes. Other than knowing
16 it, I couldn't actually speak to --

17 DR. RASTOGI: Yes, this particular
18 modeling was done by Mass Crew. They have
19 biostatisticians on staff.

20 So, basically, the bootstrap
21 technique, what it does is it takes those --
22 it is a pretty standard, you know, validation
23 technique. So they take the whole database,
24 and they take, say, 200 different samples
25 within that same database, and then they
26 define which way to present the important or
27 significant ones. If they stay significant in
28 more than 80 percent of the sessions or runs,
29 then those variables are selected.

30 MS. PACE: So do you have any --
31 so, in the results, you just reported the
32 adjusted R-square, but did you do any of

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1 calibration plots or --

2 DR. RASTOGI: Yes. All that, we
3 can supply to you, whatever you need. But
4 those details, you know, the analysis is
5 there. There is inflation factors that are
6 calculated and all the coefficients, you know.

7 Dr. Arlene Ash from Boston University has
8 reviewed many of these models.

9 DR. NEFF: It is pretty complex
10 modeling, to be sure.

11 DR. RASTOGI: Right.

12 DR. NEFF: First of all, SAS gives
13 me PTSD, but other than that -- and I think
14 this piece of it could be validated with a
15 biostatistician and talking with --

16 DR. MILLARD: Can we put in an
17 asterisk and say --

18 DR. NEFF: This could just pass for
19 now and could sort out later.

20 MS. WINKLER: Actually, we just had
21 insight over who we might get to do that.
22 This is a multi-advanced model.

23 DR. MILLARD: 2f. 2f,
24 "identification of meaningful differences in
25 performance. Accountability for and
26 measurement of PAC occurs at the practice
27 medical group and provider system or purchaser
28 or payer level, not from the individual
29 physician performance. Calculates absolutes,
30 not relative values."

31 The objective of the measure is to
32 encourage the unit being measured to

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1 progressively reduce the amount, not to
2 discriminate performance between two units of
3 measure."

4 MS. PACE: So I am not exactly sure
5 what you are getting at. The 80 percent, you
6 would be -- that would be a risk-adjusted
7 rate? Or are you saying, when you are saying
8 absolute rate, are you referring to a non -- I
9 am not sure how that fits with --

10 DR. RASTOGI: So the idea here was
11 this, like I mentioned earlier, it is not
12 comparing one provider with the other, right?

13 What we are really trying to get at is, can
14 the same provider improve the PAC rates,
15 right? So, if they have 80 percent today,
16 maybe a year or two years down, can they make
17 it 76 percent or 77 percent?

18 MS. PACE: Right.

19 DR. RASTOGI: That is the whole
20 idea behind it.

21 The risk adjustment, like I was
22 telling Reva in a separate meeting, and all
23 that, is more comparing, say, one population
24 versus the other, if the severity of the
25 patient is higher in this particular
26 population versus in the other, right?

27 And the risk adjustment model is
28 not done on PACs. It does only on typical
29 care. So, then when you look at patients who
30 have a typical episode of COPD, you understand
31 what are the other co-morbid conditions that
32 are present in that particular patient. Those

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1 are the risk factors or risk variables that go
2 into the model to determine the severity of
3 the patient.

4 MS. PACE: Okay. So correct me,
5 then, if I'm wrong. So what you are saying is
6 you are not really using that risk model for
7 this score.

8 DR. RASTOGI: Yes.

9 MS. PACE: So I am not sure why you
10 presented it.

11 DR. RASTOGI: Okay. So, if you are
12 saying the score is 80 percent PAC rate and
13 all, that is right. If you look at the 80
14 percent PAC rate in one population and you
15 look at another one, that can be adjusted by
16 the severity index. That is why we showed you
17 how this severity index is calculated, right?

18 So all you are doing is, say the
19 severity index for this population is 1, and
20 it is 1.2, here is it 80 percent and here it
21 is 75. Then you can adjust the 75 based on
22 the severity index and say what it is. That
23 is only to that extent it is used.

24 MS. PACE: Okay.

25 DR. MILLARD: But we don't know
26 what meaningful -- has it ever been validated
27 what a meaningful difference in performance
28 is?

29 DR. RASTOGI: A meaningful, yes.

30 MS. PACE: Well, what we are
31 getting at there is, and this is where it gets
32 a little unclear because you keep talking

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1 about quality improvement, but if you do
2 public reporting, there is going to be
3 comparison.

4 DR. RASTOGI: Yes.

5 MS. PACE: So you would expect the
6 risk adjustment to --

7 DR. RASTOGI: Exactly, and that is
8 why that severity index is calculated, and
9 that is how --

10 MS. PACE: So what we are getting
11 at here, so say you are publicly reporting the
12 score on two health systems.

13 DR. RASTOGI: Yes.

14 MS. PACE: How do you determine
15 whether, you know, 80 percent in one and a 78
16 percent in another is a difference or if that
17 is just due to measurement error? Have you
18 done any work on that yet?

19 DR. RASTOGI: Right, and the only
20 thing we can say is, to the extent the
21 severity is almost the same, then we would
22 say, you know, this is 80 percent and this is
23 76 percent. Now how different is 76 percent
24 from 80 percent, what's the P-value and all
25 that, no, we haven't calculated those.

26 DR. MILLARD: So, in a sense, it is
27 not really validated in terms of the
28 differences?

29 DR. NEFF: I think you get stuck,
30 too, with just the reliability kind of affects
31 this, even though it is in its own little
32 category.

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1 DR. RASTOGI: Uh-hum.

2 DR. NEFF: You know, if you are
3 still at the stage, where you are not quite at
4 the stage yet where you have done that sort of
5 to the chart, reliable, you know, where you
6 kind of can know that these numbers that you
7 are seeing up here are really reliable, it,
8 unfortunately, filters into all this and makes
9 it harder to trust the differences you are
10 seeing at this stage.

11 Now it sounds like you are moving
12 forward and will have some of this in the near
13 future.

14 DR. RASTOGI: Yes, and like Barbara
15 pointed out, working with claims data, it is
16 very different.

17 DR. NEFF: Yes.

18 DR. RASTOGI: When you match it up
19 with chart review, you know, when I go to
20 United, we did so much chart review, and it
21 doesn't match up sometimes.

22 DR. NEFF: Right.

23 DR. RASTOGI: But this is what we
24 have. So, if you are going with the
25 administrative claims data, this is what you
26 are stuck with. Now how do you match up and
27 how do you compare? And you say, so should we
28 not do the administrative data? That is a
29 completely different question, you know.

30 DR. NEFF: I know.

31 DR. RASTOGI: And, currently, it is
32 correct that we are using the fee-for-service

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1 system. So there is a lot of different
2 incentives for coding, which Barbara was
3 pointing out. That is absolutely right. But
4 whatever exists, that is what we can point
5 out.

6 DR. NEFF: Yes.

7 DR. RASTOGI: And when the system
8 changes to, say, episode-based payment, the
9 coding practices may change.

10 DR. NEFF: Right.

11 DR. RASTOGI: And then we may have
12 different kinds of drivers of costs that come
13 up.

14 MS. PACE: So probably for now, for
15 2f, "M", yes.

16 DR. MILLARD: 2g, are we going to
17 say the same thing as we said earlier; we pass
18 on it because that is sort of --

19 MS. PACE: 2g is probably not
20 applicable.

21 DR. MILLARD: Yes.

22 MS. PACE: It is only the
23 administrative.

24 DR. MILLARD: Disparities in care,
25 2h --

26 DR. RASTOGI: We didn't do any
27 disparities.

28 DR. MILLARD: And there's no
29 disparities. So do we say "NA" or not?

30 MS. PACE: If there's no
31 disparities identified, then it is "NA".

32 DR. NEFF: I mean it,

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1 theoretically, could be extracted, if you
2 wanted to.

3 MS. PACE: Right.

4 DR. NEFF: I mean, so in the same
5 way it is not lost; it is just not being
6 sought out.

7 DR. O'CONNOR: We could create a
8 new category, "WNL", "we never looked".

9 (Laughter.)

10 DR. MILLARD: And I think we have
11 discussed the strengths and weaknesses fairly
12 well.

13 Okay, usability, No. 3.
14 Meaningful, understandable, and useful
15 information.

16 I think it would be somewhere in
17 between "P" and "M", I think, on that, aren't
18 we?

19 MS. PACE: It sounds like from your
20 comments about how you interpret this overall
21 score. What do you guys want to do?

22 DR. MILLARD: Margaret, what do
23 you --

24 DR. O'CONNOR: Well, they say right
25 in here, I mean that it is not applicable
26 today.

27 DR. NEFF: Right. Yes. When I was
28 reading this sort of in the other context,
29 like the PACs make sense in the sense that you
30 are trying to prevent complications, I mean
31 that concept. It is just it is not quite
32 linked yet to the COPD, in particular. So, I

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1 mean, I think, as described here, it is
2 probably not quite there now.

3 But the structure of it --

4 MS. PACE: I mean they presented
5 that they have experience in presenting, but
6 you are talking about presenting the whole
7 analysis, not just the score, right? This
8 discussion you put about presented the
9 analysis to medical directors, CEOs, that have
10 found it useful, that's --

11 DR. RASTOGI: Yes.

12 MS. PACE: That is using the whole
13 system?

14 DR. RASTOGI: Right. And showing
15 the actionable part, like we showed them which
16 are the drivers. When they look at the top
17 drivers, then they know that this is where
18 they need to focus their efforts. So they
19 found that very useful.

20 And, yes, the entire list of facts
21 may overburden you, but, like one of you guys
22 pointed out, that the ones that are not so
23 relevant to COPD fall down on the list as low
24 points, and then the ones that are very
25 relevant for that particular episode rise to
26 the top.

27 So you can see, to the extent
28 people want to make it actionable, they have
29 all the information that is there.

30 And in some databases, it flips,
31 too. You see other things that are popping
32 up.

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1 DR. NEFF: I guess I can't get over
2 the one spreadsheet we have where the acute
3 exacerbation of COPD is like second from the
4 bottom, and you have other stuff that is way
5 at the top. You know, somehow, that doesn't
6 --

7 DR. RASTOGI: That is the coding,
8 yes. That is how they coded it.

9 DR. NEFF: That is the backbone of
10 this whole thing, right, is the coding?

11 DR. RASTOGI: You could call it
12 anything. You could call it PAC 21 and not
13 worry about the name, right? But the
14 important thing is you have to see what are
15 the drivers, you know. So, to the extent that
16 you call every hospitalization as acute
17 exacerbation, then that is fine. You know,
18 you could label it that way, too.

19 So it is not so much semantics. It
20 is more about going into realizing what are
21 the drivers and what are the codes behind it.

22 DR. NEFF: I think I am at "M". I
23 mean as it stands.

24 DR. MILLARD: 3b, 3c, relation to
25 other NQF-endorsed measures and harmonization.

26 MS. PACE: Well, this AHRQ PQI, I
27 guess you didn't put that in there, but they
28 identified it, but I don't remember exactly
29 what that --

30 DR. NEFF: The similar related
31 measures --

32 MS. PACE: Right.

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1 DR. NEFF: -- the AHRQ PQI 15 or
2 something or QI --

3 MS. PACE: Yes. Well, they
4 identified it. The question is, and it wasn't
5 relevant?

6 MS. FORMAN: No. We had a
7 discussion and then we took it out.

8 MS. WINKLER: I think that the
9 methodologies and the targets for each of
10 those are somewhat different.

11 MS. PACE: Well, the methodologies
12 are different, but is it a measure of
13 complications?

14 MS. WINKLER: No, it is a measure
15 of avoidable hospitalization.

16 MS. PACE: Oh, okay. All right.
17 Okay.

18 Well, but it includes
19 hospitalization.

20 MS. WINKLER: Yes, it is teeny
21 portion of it, yes.

22 MS. PACE: Right, right. Okay.

23 MS. WINKLER: And it is condition-
24 specific.

25 DR. RASTOGI: In COPD, 57 percent
26 in that thing was due to avoidable
27 hospitalizations, you know, when you look in
28 terms of stays and percentages and all that.

29 DR. MILLARD: So we would say "C"
30 on that 3b? 3b.

31 3c, distinctive or additive value.
32 "Describe distinctive, improved, or additive

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1 value that this method provides to existing
2 NQF-endorsed measures."

3 Potentially avoidable complications
4 encompass the majority of these effects.

5 DR. NEFF: And I guess what you are
6 saying, it might just be an "NA"? Because we
7 don't have anything on the same topic.

8 MS. WINKLER: Not to this degree.
9 So the only thing is going to be the avoidable
10 hospitalizations from the PQIs, but not the
11 full breadth and extent of this.

12 MS. PACE: Right, but you are
13 talking about harmonization?

14 MS. WINKLER: No.

15 DR. NEFF: So there's not really a
16 way to answer that for this one. That
17 question doesn't really apply.

18 DR. MILLARD: Okay.

19 DR. NEFF: I think -- no?

20 MS. PACE: Well, I think what Reva
21 is saying is, if we don't have anything that
22 addresses this --

23 DR. NEFF: Right.

24 MS. PACE: -- then it would be a
25 good thing --

26 DR. NEFF: Oh, right.

27 MS. PACE: -- as the distinctive
28 and additive value. But I think the other
29 piece of this is it is only distinctive and
30 additive value if you think that there is a
31 valid way to measure the kind of issue.

32 So it is somewhat influenced by

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1 some of your other discussion.

2 DR. NEFF: Right.

3 MS. PACE: So it is a little bit
4 tainted or affected, or could be.

5 DR. NEFF: Right. It could be
6 affected positively or negatively by the
7 other --

8 DR. MILLARD: So do you want to say
9 just an "M" then?

10 MS. PACE: And probably the more
11 important thing is in the strengths and
12 weaknesses, to say that, you know, this is not
13 addressed by other measures.

14 DR. NEFF: Right.

15 MS. PACE: However, value-added
16 depends on our discussion about the scientific
17 acceptability or something.

18 DR. MILLARD: Yes. I mean the
19 concern I have is that the PACs are defined so
20 broadly that the effect of COPD management,
21 good COPD management, may not really be
22 influenced, the influencer.

23 DR. NEFF: So not a "C", but not an
24 "NA". Because there's potential, again, for a
25 big addition --

26 MS. PACE: Right.

27 DR. NEFF: -- if the target can get
28 something. Get rid of sort of the noise of
29 all the sort of the billing codes that aren't
30 relating to the charts.

31 DR. MILLARD: The other thing is I
32 have a note here about age, 18 versus 40. Are

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1 the PACs, was this 18 or 40? Is there an age
2 limit on these or not?

3 DR. O'CONNOR: It's above the age
4 of 18, I think. They segregated two
5 populations, pediatrics -- oh, I'm sorry.

6 DR. RASTOGI: Yes, for asthma, it
7 is 2 and 17 and then 18 and above; for COPD,
8 it is 18 and above.

9 MS. PACE: Oh, so that is a
10 harmonization?

11 DR. O'CONNOR: Yes, that is a
12 harmonization.

13 MS. WINKLER: Do you have -- I mean
14 you must have -- the data you can stratify by
15 age to know really how many under the age of
16 40 and what impact that has on the whole --

17 DR. RASTOGI: Yes. Yes, it is very
18 easy, you know, because once you have the
19 whole data, you can just cut wherever.

20 MS. WINKLER: And the reason we
21 care about it is, when you put together NQF's
22 portfolio of measures around COPD, you like to
23 look at them as a package. And for those
24 really focused on COPD, you would want them to
25 be able to implement them all. But if it
26 takes different algorithms and different
27 implementations and has different rules, they
28 don't do it.

29 DR. RASTOGI: Yes.

30 MS. WINKLER: So the harmonization
31 will facilitate implementation. So, to that
32 degree --

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1 DR. O'CONNOR: But as it is
2 written.

3 MS. WINKLER: It is 18.

4 DR. O'CONNOR: It is 18.

5 MS. WINKLER: Right.

6 DR. NEFF: So the recommendation
7 would be for to harmonize.

8 MS. WINKLER: The harmonization
9 would be useful.

10 DR. NEFF: For the COPD population.

11 DR. O'CONNOR: The way it is
12 currently constructed, if the patient alpha 1
13 antitrypsin deficiency, they would have been
14 included in the COPD population 18 and over
15 probably.

16 DR. RASTOGI: That's right. We
17 don't exclude.

18 DR. MILLARD: They may never split.

19 DR. RASTOGI: Yes, we don't exclude
20 specifically.

21 DR. MILLARD: Okay. So
22 feasibility. Data generated by a byproduct of
23 the care process. The answer is yes. So it
24 is "C".

25 Electronic sources. Are all the
26 data elements available electronically? That
27 is how you get --

28 MS. PACE: Could I go back to this?

29 I realize this is an area that we have to do
30 some better descriptions. But this is based
31 off of codes that are generated by someone
32 other than the people doing -- so we would not

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1 consider ICD-9 codes on claims as data
2 generated during the care process.

3 DR. NEFF: But that is for the
4 billing, isn't it?

5 MS. PACE: Yes, but that is not for
6 care.

7 DR. NEFF: Oh, no, but it is --

8 MS. PACE: It is for billing.

9 DR. NEFF: I guess when I look at
10 that, I am like you are having to do something
11 more than what is already happening as a
12 consequence of their clinical stay, which they
13 are going to get billed.

14 MS. PACE: Well, that is what I am
15 saying. We need to define that.

16 DR. NEFF: Yes.

17 MS. PACE: But, obviously, we need
18 to define that better. But the real intent of
19 that is, you know, a blood pressure that is
20 taken by the clinical person and used in the
21 treatment of their care versus coding goes
22 through another person.

23 MS. WINKLER: Kind of like what
24 Barbara was talking about.

25 MS. PACE: Yes.

26 MS. WINKLER: You know, you do the
27 chart and take care of the patient, but
28 someone else abstracts that, interprets it,
29 assigns codes to become part of the billing.

30 MS. PACE: Right. So we are not
31 saying that is bad. We are just saying it is
32 not data that is generated by the people --

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1 DR. O'CONNOR: That is probably
2 true in the hospital, but not necessarily in
3 the ambulatory setting. Because when I see a
4 patient in the office, I am the only one that
5 codes.

6 MS. PACE: Okay. That is good.

7 DR. O'CONNOR: And in fact, if I
8 have overcoded, I will get a tap on the
9 shoulder.

10 MS. PACE: Okay.

11 DR. O'CONNOR: But I'm never tapped
12 if I have undercoded. They don't care because
13 they are not going to arrested for
14 undercoding.

15 MS. PACE: No, that is a good
16 distinction.

17 DR. NEFF: Yes, you're right.

18 DR. NEFF: Well, and I guess, you
19 know, as you guys tweak these more and more,
20 figuring out what really the goal of that is,
21 is it extra work, which wouldn't be the case
22 with billing because that is going to happen
23 anyhow, or if you really wanted to focus just
24 on the clinician activity, I mean not --

25 MS. PACE: Right. No, no, that is
26 good. I think that is the --

27 DR. NEFF: Because the other flip
28 side of that were when someone had to actually
29 go and abstract data specifically for --

30 MS. PACE: Right.

31 DR. NEFF: That is even a third.

32 DR. MILLARD: It is not like the

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1 ICU stuff.

2 DR. NEFF: Yes, right, but you've
3 got to have a body that would never go to get
4 that unless for this measure.

5 MS. PACE: So we need to
6 definitely --

7 DR. NEFF: There could be value in
8 knowing all of that.

9 MS. PACE: No, that's good. That's
10 good.

11 DR. MILLARD: And electronically
12 available.

13 DR. NEFF: Yes. Yes. No "M" on
14 it, the only one. It is actually all
15 electronic. Yay.

16 DR. MILLARD: Exclusions due to
17 specific -- require additional data sources
18 beyond what is required. But it is all done
19 electronically. Clear.

20 Subject to inaccuracies, errors,
21 and unintended consequences.

22 DR. NEFF: I had, is it validated?
23 How good is the code? I mean it is really
24 what we have been talking about. Oh, in fact,
25 that is what you guys said. "PNC analysis is
26 as good as the coding." Indeed.

27 DR. MILLARD: So are we going to
28 say that that is "C" or "P"? I am not sure
29 about the -- I mean the coding is the coding.
30 It is "C".

31 DR. O'CONNOR: I don't think that
32 they are at any increased risk of anything

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1 else we have discussed today.

2 DR. MILLARD: Yes.

3 DR. O'CONNOR: There is nothing
4 uniquely specific to this particular measure
5 that would probably downgrade it. We have
6 given every other one a "C" on that.

7 DR. MILLARD: So, yes.

8 Data collection strategy --

9 DR. NEFF: Wait, wait, wait.
10 What's 4d?

11 DR. O'CONNOR: 4d.

12 DR. MILLARD: Yes.

13 DR. O'CONNOR: Is this data
14 susceptible to inaccuracies? That is probably
15 true of any dataset.

16 MS. WINKLER: Is it more so with
17 the coding than, say, the abstraction of the
18 data elements for the mortality model?

19 DR. NEFF: Oh, so you guys are
20 reading this as, once the data is done and
21 then presented, is it at risk -- not you guys.

22 But that is sort of, is it at higher risk for
23 being misinterpreted, not so much whether the
24 data are accurate or inaccurate.

25 DR. O'CONNOR: Oh, I see the
26 distinction.

27 DR. NEFF: I think it is all how
28 you -- I think you are right, though, the way
29 we have interpreted this previously was, once
30 you have the dataset and you are presenting
31 it, is there risk of it being inaccurate,
32 misinterpreted, more so than others? In the

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1 past, we have said no more than anybody else.
2 That may be an issue unrelated to the
3 accuracy of the coding.

4 DR. MILLARD: Because in this case
5 the coding is very important, because if the
6 urologist doesn't mention COPD, it gets lost.

7 DR. O'CONNOR: Because we --

8 DR. RASTOGI: But that is not so
9 much, and I don't know why we are so hung up
10 on it. The main complications will be
11 captured here. So they are in here looking at
12 the one complication that doesn't --

13 DR. O'CONNOR: Is that a reflection
14 of the data or the interpretation of the data?
15 No, this is for the raw.

16 DR. NEFF: Yes, right.

17 MS. WINKLER: I think probably it
18 could be any and all.

19 DR. NEFF: Right.

20 MS. WINKLER: If we think about it,
21 it is collection of the data. So this would
22 be coding errors. This would be
23 interpretation, as opposed to, if the data
24 element is in an EHR, you only click it once
25 and it is what it is; it doesn't get
26 translated.

27 But then you also potentially have
28 inaccuracies in how you combine data.
29 Methodologically, there is a potential. So I
30 don't think it is all of them or any or all of
31 them, if you can kind of envision the kinds of
32 problems you see.

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1 DR. MILLARD: And unintended
2 consequence, the question is whether or not
3 that is the -- could the data ever be used to
4 look at an individual physician?

5 DR. NEFF: Could people use the
6 data in a way that you are not planning on
7 them using it?

8 DR. RASTOGI: Sure. Yes.

9 DR. NEFF: I mean which is sort of
10 what we have said about anything could happen.

11 DR. RASTOGI: Sure. Yes.

12 DR. NEFF: So I think we have been
13 doing, you know, I think it has got a little
14 bit more risk because of the coding
15 interpretation issue, which you highlight
16 yourself, more so than our other ones, which
17 maybe didn't have the coding pieces. And then
18 all of them are at risk for just being
19 misused, which you can't do anything about.

20 DR. MILLARD: Would you say "P"?
21 Just say "P"?

22 DR. NEFF: Yes, I think so, just to
23 touch different things, yes.

24 DR. MILLARD: That will work.

25 DR. NEFF: Data collection
26 strategy.

27 MS. PACE: Well, basically, there's
28 no issues. I mean it is all administrative
29 claims.

30 DR. NEFF: Well, that's true. How
31 they are getting it is, you know, it is fed in
32 in a direct way. Yes.

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1 DR. RASTOGI: Yes, the data
2 formatting is very important, you know, and
3 stuff like that. We have seen if they don't
4 have procedure codes in the claims data, then
5 it causes problems. If they don't have
6 multiple diagnosis codes in the data, then it
7 causes problems in the risk adjustment.

8 DR. MILLARD: So I am saying that
9 is "C".

10 MS. PACE: Yes.

11 DR. MILLARD: That is good. Okay.
12 Strengths and weaknesses in
13 relation to subcriteria feasibility. We have
14 sort have been all over the map on
15 feasibility, haven't we?

16 DR. NEFF: Yes.

17 MS. PACE: Yes.

18 DR. NEFF: I mean I think the gist
19 of this is just the challenges of the
20 administrative data, I mean really, than just
21 whether it is, as is, ready as a measure for
22 itself. There may be other work that you are
23 already planning to do before it gets to that
24 point, but, you know, it is good to figure out
25 where the holes are, based on the criteria.

26 DR. RASTOGI: You know, just I
27 would like to try one more thing, you know.
28 Like I know we were kind of starting off
29 trying to understand the whole thing.

30 The symptom logic I don't think is
31 intended to -- the intention there is to get
32 rid of the noise, you know. So, if the

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1 majority of the complications which are COPD-
2 related, all those complications themselves
3 serve as filter codes, you know. So, to the
4 extent they have something like that that is
5 going on which physicians and pulmonologists
6 have identified as COPD-related, all those are
7 critical. So not only if the COPD diagnosis
8 is present, but any of those other diagnoses
9 are present, it is --

10 MS. PACE: When you say, "filter
11 code", you mean codes that identify that the
12 patient would be in the denominator?

13 DR. RASTOGI: No, the claim. So
14 the patient is the trigger, right?

15 MS. PACE: Right.

16 DR. RASTOGI: So, then, if the
17 trigger code comes in, then the patient gets
18 counted. Then we would count all the things
19 that happen for that patient for one year, you
20 know.

21 MS. PACE: Okay.

22 DR. RASTOGI: So there are some
23 codes that get excluded because it is a major
24 surgical procedure.

25 MS. PACE: Okay. All right.

26 DR. RASTOGI: So, even though it is
27 happening in a COPD patient, it is not related
28 to COPD, so the claim gets thrown out.

29 Then other things get thrown out
30 because of the splinter thing, which somehow
31 we kind of kept going round and round on the
32 urinary tract infection thing. But to the

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1 extent if it is a very popular potentially
2 avoidable complication in COPD, it would have
3 featured into the filter, you know.

4 The same thing for asthma. If it
5 is not an important complication related to
6 that condition, it won't be a filter, you
7 know. So that is the point I want to make, is
8 when the claims are pulled in, we want to make
9 it as relevant to COPD as possible. That is
10 why the outward results that you see are more
11 relevant to COPD.

12 DR. NEFF: You know, I wonder, and
13 maybe you have this in here, although I don't
14 think I saw it, as you are sort of evolving
15 this over time, if there might be some sort of
16 schematic.

17 DR. RASTOGI: Yes.

18 DR. NEFF: You know, as to what
19 data is moving through and filtering and --

20 DR. MILLARD: See a flow.

21 DR. NEFF: Did I? Oh, maybe I did
22 see it.

23 DR. RASTOGI: And then we have a
24 website which has -- I don't know if you had a
25 chance to look at that, but that has an entire
26 playbook on COPD. In the playbook, you have
27 all the demographic information. You have the
28 flowcharts. You have all kinds of, you know,
29 information. There is a slide deck there
30 which shows the entire process on how it goes,
31 you know.

32 DR. NEFF: Yes.

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1 DR. RASTOGI: And this was all part
2 of the RWG grant. So the grant money will run
3 out the end of this year. So our development
4 is done, you know. So now we are in the
5 implementation phase, which starts next year.

6 DR. MILLARD: Do we have time or
7 not to go over those COPD ECR playbook
8 decision tree?

9 MS. WINKLER: Well, sure. There is
10 no reason not to.

11 DR. MILLARD: Because I would like
12 you to -- because I spent too much time on
13 this trying to figure it out.

14 MS. WINKLER: Where is it?

15 DR. MILLARD: It is under --

16 DR. RASTOGI: Yes, it is the first
17 tab on that one. Thank you for sharing.

18 MS. WINKLER: It is in the risk
19 adjustment.

20 DR. MILLARD: Yes, risk adjustment.

21 DR. RASTOGI: That same worksheet,
22 yes.

23 MS. WINKLER: Is that what you are
24 talking about?

25 MS. WINKLER: Yes.

26 DR. MILLARD: Go to the top.

27 DR. RASTOGI: So, if you go to the
28 top --

29 DR. NEFF: Oh, yes, okay.

30 DR. RASTOGI: So we start with the
31 development of the database had 4.7 million
32 covered lives and \$95 million. Then it goes

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1 through the various steps in which we do the
2 enrollment. You know, some patients get
3 excluded because they don't have continuous
4 enrollment. We are allowing a 30-day gap. So
5 that is that next piece.

6 DR. MILLARD: Okay. So, first,
7 does the beneficiary have a trigger code --

8 DR. RASTOGI: Yes.

9 DR. MILLARD: -- and a physician on
10 a professional claim? And the trigger code
11 is --

12 DR. RASTOGI: On the old codes
13 worksheet in the first tab. It says, "COPD
14 trigger".

15 DR. NEFF: And then there is the
16 extended.

17 DR. MILLARD: And that is
18 bronchitis, emphysema, but that also includes
19 end-stage renal disease? No, that is a
20 terminator. Or is that --

21 DR. RASTOGI: So that tab before
22 that, you know, as you are looking at expanded
23 trigger --

24 DR. MILLARD: Oh, okay. I thought
25 you were on --

26 MR. AUSTIN: -- the one before
27 that.

28 DR. MILLARD: Okay. Okay.

29 MR. AUSTIN: Yes.

30 DR. MILLARD: Essentially, a COPD
31 code?

32 DR. RASTOGI: Yes, uh-huh.

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1 DR. MILLARD: Okay. Then patient
2 episode. Now patient episode, is that the
3 number of patients or is that the number of
4 times the diagnosis is read.

5 DR. RASTOGI: No, number of
6 patients.

7 DR. MILLARD: Okay. Okay, so that
8 is not patient episodes.

9 DR. RASTOGI: So they start an
10 episode.

11 DR. MILLARD: That is patients?

12 DR. RASTOGI: The episode is one
13 patient for one year. That is the episode.
14 Right?

15 DR. MILLARD: Okay.

16 DR. RASTOGI: And if they didn't
17 have the one year's worth of claims, then the
18 episode doesn't form.

19 DR. MILLARD: Is the patient over
20 18?

21 Okay, keep going.

22 DR. RASTOGI: Yes.

23 DR. MILLARD: There's the answers,
24 that they had less than 10 percent below --
25 no. They have one year continuous -- okay.

26 Now what are reasonable episode
27 costs?

28 DR. RASTOGI: So we are removing
29 the outliers. So, if the entire episode costs
30 more than \$2 million, the medical part has to
31 be more than \$1 million and then the pharmacy
32 \$1 million. So the entire thing, you know.

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1 So, then, if it is more than that, then the
2 episode gets removed.

3 And this moved from our linked
4 purposes, you know, the entire piece, so that
5 the cost doesn't get skewed by one or two
6 patients.

7 DR. MILLARD: Okay. Then it says,
8 "Is the episode free of acute diagnosis codes
9 and termination codes?"

10 So if they didn't get diagnosed --

11 DR. O'CONNOR: If the episode is
12 free of an acute episode, you go straight
13 down.

14 DR. NEFF: Oh, and you exclude the
15 acute because you are not doing that first
16 hospitalization? Is that right?

17 DR. RASTOGI: That is right.

18 DR. NEFF: Yes.

19 DR. RASTOGI: The initial trigger
20 piece.

21 DR. NEFF: Right. So that is a
22 freebie, basically.

23 DR. RASTOGI: Right.

24 DR. NEFF: And then they get
25 triggered on the next one.

26 DR. RASTOGI: In the next one,
27 right.

28 DR. NEFF: Yes.

29 DR. O'CONNOR: Wait. But she just
30 defined as episode as a year.

31 MS. WINKLER: Yes. So a year
32 starting from the trigger.

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1 DR. RASTOGI: Right.

2 MS. WINKLER: Assuming the trigger
3 isn't one of those acute exacerbations.

4 DR. RASTOGI: Right.

5 DR. O'CONNOR: And if they have
6 exacerbations during that one year --

7 DR. RASTOGI: Yes, and maybe it
8 could be written better, but here what they
9 are doing is we are removing -- and, you know,
10 there are several steps that happen, and we
11 have just shown some major steps here. But
12 here we are removing all of the exclusion
13 criteria.

14 So, in the all codes tab, you may
15 have noticed we have a medical tab and a
16 procedure tab. The medical tab links up to
17 the CCS classification AHRQ in the dataset.
18 So all the 10,000 codes which have not been
19 put into the expanded triggers are now being
20 grouped using the CCS classification.

21 You know, if they have any of these
22 HIV conditions, cancer, if they have some of
23 the other conditions, pregnancy delivery, et
24 cetera, those are exclusions. So the patient,
25 if they have those conditions in the presence
26 of COPD, they get removed. So there is
27 termination; you know, ESRB patients, et
28 cetera, get removed.

29 We also exclude claims, you know,
30 if they had a major surgical procedure, then
31 those are excluded. So that is identified in
32 the procedure tab.

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1 So all that cleanup happens at that
2 stage.

3 DR. MILLARD: Of course, you know,
4 when you were talking about outliers were
5 removed --

6 DR. RASTOGI: Yes.

7 DR. MILLARD: -- one-third of that
8 patient population was removed as an outlier
9 in this.

10 DR. RASTOGI: No, I don't think it
11 is one --

12 DR. MILLARD: Yes, you go from
13 419,000 to 272,000.

14 DR. RASTOGI: That is the
15 enrollment.

16 DR. NEFF: Yes, the enrollment got
17 rid of a bunch.

18 DR. RASTOGI: Yes, enrollment cut
19 into halves.

20 DR. MILLARD: Yes, and
21 reasonableness of cost. Okay. So you grouped
22 the two.

23 So, then, we go down. So they are
24 free of the termination codes. Then do they
25 carry a COPD-related diagnosis code? Yes. So
26 free of medical exclusion criteria and
27 other -- so you get to 97,000 patients.

28 DR. RASTOGI: Right, and, you know,
29 I double-checked because I was also worried
30 about why the number dropped so much from
31 272,000 to 97,000. And what I realize is in
32 this particular output we are showing only the

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1 commercial population because we were creating
2 the model on the commercial to compare it with
3 the other health plans. So it is from 18 to
4 64 years of age. That is what is on the
5 website right now.

6 Now we have version 2.3, which is
7 -- so version 1 is what is on the website.
8 Version 2.3, which we did the entire
9 population, 18 all the way to 120 years, or
10 whatever.

11 (Laughter.)

12 So then the drop wasn't there, you
13 know. So all this is, you know, and like you
14 were saying, if you want to cut it at 14, you
15 know, then it is very straightforward at that.

16 DR. MILLARD: And the difference
17 between PAC and typical?

18 DR. RASTOGI: Right. So it is
19 patients that have overlap. Right? So the
20 same patient could have some claims which are
21 typical and some claims which are PACs. There
22 would be very few patients who would have only
23 typical claims or only PAC claims.

24 DR. MILLARD: What is a typical
25 claim?

26 DR. RASTOGI: So anything is not
27 PAC is typical. Okay? So, basically, during
28 that whole one-year episode time window, we
29 have removed the exclusions of the irrelevant
30 claims. Whatever is left is the relevant.
31 Then those are, then, sorted out. Do they
32 have a PAC code on it or not? If they don't,

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1 then they are typical.

2 So the dollars add up, but then the
3 patients are overlapping. So you wouldn't be
4 able to add the two patients and make it equal
5 to relevant because the same patient may have
6 typical as well as PAC claims.

7 DR. O'CONNOR: Do you think there
8 is a dataset or a study that has shown that
9 what has been identified as a PAC is truly an
10 avoidable complication? I mean they were
11 defined that way for the purposes of the
12 study. But is there any other data to suggest
13 these are truly potentially avoidable?

14 DR. NEFF: It sounds like, at least
15 from you were saying, it sounds like these
16 came from AHRQ PACs, how they defined them?
17 No?

18 DR. RASTOGI: No. AHRQ --

19 DR. NEFF: None that I know of,
20 but --

21 DR. RASTOGI: Yes, AHRQ hasn't
22 defined PACs. They have only said that
23 hospitalizations which are there, right?

24 DR. NEFF: Ah, okay.

25 DR. RASTOGI: So, then, most of the
26 definitions for PACs are clinically-based and
27 based out of the design group suggestions and
28 all this.

29 DR. NEFF: Okay.

30 DR. RASTOGI: So you are right that
31 some of it could be controversial. People
32 could be questioning them. But, you know, to

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1 the extent they were part of the CMS
2 definitions, so you know all the DBTs and, you
3 know, fracture of femur, et cetera, those have
4 been put in, and you have seen --

5 MS. PACE: I just wanted to mention
6 the prior project I was working on. Hospital
7 Outcomes reviewed some measures that were
8 somewhat similar to this. I just thought I
9 would tell you, you know, some of their
10 comments are similar to some of the things
11 that you have raised.

12 One was about, you know, the
13 reliability of the data items, and they were
14 especially concerned with reliability when the
15 claims data are used to measure the outcome.
16 If it were just being used for like risk
17 adjustment, they thought that had maybe a
18 little bit different -- that since it is the
19 outcome, that it carries more weight of being
20 concerned about reliability.

21 And they had a couple of measures.
22 One was where they just kind of identified
23 all complications and risk-adjusted, and so
24 you didn't have this idea of what was
25 preventable or not preventable. There's
26 advantages to that, in that, you know, you
27 just measure everything, you risk-adjust, and
28 you look at differences.

29 They also had some measures where
30 the developer had tried to identify
31 preventable re-admissions, preventable
32 complications. Then the issue came up of, who

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1 made those decisions? How repeatable is it?

2 I mean, in some of these systems,
3 they were looking at like 10,000 diagnosis
4 pairs. When you start multiplying -- so the
5 questions started coming up, well, you know,
6 would another group who looked at these 10,000
7 pairs come up with the same list?

8 So I think the bottom line that I
9 think came out is -- and it is probably
10 something that we just don't have a good --
11 and the way you kept presenting it is the
12 system, and so did they.

13 So the question is, you know,
14 whether NQF, do we need to think about some
15 other things when we look at these kinds of
16 systems versus a discrete measure? Because
17 when you submit a measure to us, that is the
18 measure that ultimately we think should, you
19 know, if we endorse it, should be publicly
20 reported.

21 But the real value in these big
22 systems is for quality improvement and being
23 able to drill down into that data, and it
24 doesn't exactly fit with our traditional NQF-
25 endorsed measures.

26 So I don't know if any of that
27 resonates with you, and some of that kind of
28 overlaps with some of the comments that you
29 all were making on this measure. So I don't
30 know if you have anything else to say in those
31 regards.

32 DR. NEFF: Well, it reminds me a

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1 lot when I sat on the IRB and you would get
2 these really complicated, very specialized
3 type studies, whether it is genetics or
4 emergency consent or something. And they are
5 in enough different fields that there almost
6 is a different way to deal with them. I mean
7 it is a little bit what you are saying, that
8 it is not so much that it is COPD or CHF or
9 hospital outcomes. It is that it is almost
10 its own little category.

11 DR. RASTOGI: Yes, and it is kind
12 of --

13 DR. NEFF: I don't know --

14 DR. RASTOGI: Yes, it is kind of
15 similar to your first definition. Like we are
16 calling them as PACs, but we don't know how
17 many of them are avoidable, right? So we are
18 identifying these complications and we are
19 saying that, really, for a patient, they
20 shouldn't have these, right?

21 Now to what extent can they be
22 preventable? You know, time will tell, like
23 we have discussed, right?

24 And it is something like you were
25 saying, you know, HACs, PSIs, you know, all
26 the EHR to define, you know, these are
27 standard definitions are good across the
28 board. Then there are some additional which
29 are more specific.

30 But if you think in terms of a
31 whole patient, and a patient-centered
32 approach, then you want to make sure that they

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1 don't have any of those complications. So
2 that was the premise behind it.

3 MS. PACE: And I think, you know,
4 it is one of those things, when you have this
5 claims data and you have all of this data, it
6 is hard to even think about how you would do a
7 reliability study, if you are including
8 everything versus if you could construct a
9 measure around those things that are most
10 frequently the complications. You know, then
11 you can actually manage.

12 So I don't know what the answer is.
13 I just know these are the issues.

14 DR. MILLARD: In designed clinical
15 studies, we are supposed to narrow down to --
16 I mean the best studies where you have such a
17 simple, straightforward outcome, small, narrow
18 population, you know exactly the questions you
19 are going to ask, so there's no variables.

20 Now we are looking at an entire
21 patient population.

22 DR. RASTOGI: Yes.

23 DR. MILLARD: So it is an entire --
24 you have to sort of throw your assumptions out
25 the window and come in with an entire --

26 MS. PACE: I mean it is also kind
27 of, you know, because of the large databases,
28 it is, in a sense, a little bit like data
29 mining versus kind of constructing a measure
30 conceptually first.

31 So it presents a lot of different
32 questions and challenges to us. I don't know

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1 if you all have any suggestions for us, you
2 know, because I think we are going to see this
3 more and more. We are seeing it more and
4 more, and I am not sure that we know exactly
5 how to handle it or address it.

6 DR. RASTOGI: Yes, and when we
7 began our analysis, we didn't know what to
8 expect. We didn't know what the percentage
9 would be. We had no clue what the big drivers
10 would be.

11 And you're right, like right now,
12 you know, almost everything is game; you know,
13 it is all right. And then you look at the
14 risk-adjustment model also, and most of the
15 variables that you fed in are classic co-
16 morbid conditions that you go in. But the
17 output that you get is very specific for every
18 patient population, you know.

19 So, for COPD, we are seeing
20 different risk drivers. For CHF population,
21 you see different things. You know, so it
22 becomes very, very condition-specific when you
23 start looking at the outputs.

24 DR. O'CONNOR: But I think before
25 it rises to the level of an approved NQF
26 measure, that there ought to be some aspect to
27 it that provides value to the people who are
28 going to employ it. And I am not convinced
29 that that exists.

30 I mean you have shown these
31 differences when you have run these models
32 between various states, Arkansas and Alabama.

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1 I can't remember which ones you have
2 mentioned.

3 But how that is going to drive a
4 different approach is unclear to me.

5 DR. MILLARD: I mean, if I know my
6 patients, if I know that 25 percent of my
7 patients with COPD have exacerbations that are
8 potentially avoidable, then that is a number
9 that I can go back and say, okay, how do I
10 change practice to improve my outcome.

11 DR. RASTOGI: Thank you.

12 DR. MILLARD: But, right now, with
13 this, I don't know. I just know --

14 DR. RASTOGI: But if you want to
15 look at specific ones, you can see, right?
16 So, if you only interested in acute
17 exacerbations, then permission is there. You
18 can ignore the other rows, and you say, okay,
19 what percentage of my patients have --

20 MS. PACE: But that is the system.

21 DR. O'CONNOR: That is the
22 drillable-down data, yes.

23 MS. PACE: And NQF right now
24 doesn't have a category of endorsing that kind
25 of system analysis, and maybe that is
26 something we need to think about. But what we
27 would be endorsing is this measure that say,
28 what percent of my COPD patients have any of
29 50 --

30 DR. RASTOGI: Yes.

31 MS. PACE: -- PACs?

32 DR. O'CONNOR: Because the next

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1 question is --

2 DR. NEFF: Yes, what is the meaning
3 of that?

4 MS. PACE: Not even of my patients,
5 but of this patient population.

6 DR. RASTOGI: That is right.

7 MS. WINKLER: Is there value in
8 that information being measured, say, for a
9 health plan, a health system, a large medical
10 group, in terms of information that can be
11 used to help look at that system in terms of
12 the things we can hypothesize could improve
13 some of these potentially avoidable
14 conditions, such as better care coordination,
15 less fragmented care, that sort of thing, even
16 though you are working at a high level?

17 DR. O'CONNOR: I am not sure that
18 the drillable data would be of any value.
19 Because in my health system, and we've got 400
20 patients, I mean 400 physicians, and we take
21 care of, roughly, 180,000 patients. We are
22 looking at 8,000 or 9,000 COPD patients. So,
23 once you do the cuts, we are probably down to
24 2,000 patients, 2500. Then you are looking at
25 PAC versus typical. I don't know how we could
26 go find the data.

27 MS. WINKLER: Would it be valuable
28 information for you and your whole
29 organization to know that the most common
30 things that come up on this list are whatever
31 they are for you? You know, one, two, three.

32 DR. O'CONNOR: Sure. If you had

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1 COPD-associated "X", rather than COPD-
2 associated A through Z. Because the current,
3 the way it is constructed, you are going to
4 come up with a number, 87 percent.

5 MS. WINKLER: Right.

6 DR. O'CONNOR: I don't know how you
7 do that. But if you tell me that in this
8 measure when we apply this data, a system with
9 good outcomes has only 19 percent of its
10 patients with complication "X", whereas, one
11 that is poorly managed has 57 percent of its
12 patients with complication "X", that is
13 something you can work with.

14 But to have a number not associated
15 with something you can do anything about makes
16 it difficult to understand how it is going to
17 be used. Do you follow what I am saying?

18 MS. WINKLER: Yes, I do. So you
19 are talking about having the aggregate
20 complication versus having a discrete level --

21 DR. O'CONNOR: I think the work
22 that has been done is phenomenal. It is
23 incredible. I mean it is a dataset that is
24 just absolutely golden. But rather than hide
25 it with a total percentage, what you would
26 like to know is, when they did the COPD
27 analysis and then looked at 11 different
28 plans, and they found that the most common
29 associated complication was, and it varied by
30 3X between plan 1 and plan 11, that would be
31 incredibly important information to have.

32 But to say that it varied between

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1 74 and 90 percent, and we are talking a 16
2 percent difference between the high and low,
3 everybody has --

4 DR. MILLARD: Although to be the
5 devil's advocate for our colleague, he said
6 all you needed to do was say mortality and
7 everybody starts saying, "Oh, wow, this is
8 important. Why?"

9 And you could say all you have to
10 say is PACs are high; that's bad. Then it is
11 up to the healthcare plan to say, why? What
12 is the difference in the analogy between the
13 ICU model and the mortality and the primary
14 care? Because in both cases you have to drill
15 down and get the data. Is there a difference,
16 really, when you think --

17 DR. O'CONNOR: Sure, there is
18 because in this complication model, if you are
19 just looking at numbers, they are between 76
20 percent and 81 percent. I mean nobody is
21 going to care.

22 MS. WINKLER: Let me go back to
23 your statement about, is that a
24 characteristic, or your question, is that a
25 characteristic of outcome measures? Because,
26 frankly, when you look at an outcome measure,
27 it is the endpoint of a whole bunch of things
28 that did or didn't happen along the way.

29 In order to really act on it and
30 move it and change it, you really have to do
31 some background analysis to figure out, what
32 are all the contributions to get you to that

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1 outcome? So is that really a characteristic
2 of outcome measures compared to process
3 measures, where, you know, only half your
4 patients got beta blockers? It is pretty easy
5 to figure out what to do.

6 Whereas, an outcome measure, is
7 that just inherently part of the deal, is it
8 is a conclusion? And you look at it and say,
9 "Hmmm, what does this tell me?" And you will
10 need to do some back analysis to really
11 understand all the factors that are
12 contributing to that. But is that something
13 that is so much specific to this measure or
14 the ICU mortality measure? Or is that a
15 characteristic of outcome measures in general?

16 DR. MILLARD: I think that is -- I
17 would agree. The difference may be that this
18 data, I don't know as much what it means.
19 Mortality, we know that that means.

20 DR. NEFF: And in some ways,
21 mortality, you didn't even totally drill down
22 to find what you think was your problem at
23 your hospital. If you, then, just had some
24 new intervention that maybe wasn't even
25 something that you figured out was the cause,
26 you could then see its effect, even without
27 necessarily knowing that that was what you
28 were trying to change. Do you know what I
29 mean? It is something you can track, if
30 nothing else. But, yes, it gives you an
31 answer, but it doesn't tell you the why.

32 DR. O'CONNOR: To answer your

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1 question, I think you are absolutely right.

2 DR. NEFF: Yes.

3 DR. O'CONNOR: It is inherent
4 within an outcome measure --

5 MS. PACE: Right.

6 DR. O'CONNOR: -- that has wrapped
7 up into a conclusion.

8 MS. PACE: Right.

9 DR. O'CONNOR: If there is
10 something wrong with one particular health
11 system compared to every -- it doesn't tell
12 you what is wrong.

13 MS. PACE: Right.

14 DR. O'CONNOR: It just tells you
15 that there -- it is sort of like a sed rate.
16 You know, a sed rate of 95. I don't know what
17 the hell is causing it. I just know there's
18 something wrong.

19 MS. PACE: Right.

20 MS. WINKLER: Well, that is what I
21 was wondering when you started talking about
22 this actionability aspect of it. I think the
23 actionability around using outcome measures is
24 a little more complicated, a little different,
25 because it requires a localized analysis of
26 what you think, or the literature suggests,
27 are the likely contributors and the factors
28 leading to it.

29 DR. O'CONNOR: There is a
30 credibility factor because let's suppose you
31 put this up on your website for public
32 commentary. I can't imagine the public

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1 comments you get about listing 53 PACs for
2 pediatric asthma. I mean every pediatric
3 asthma doc in the country is going to come out
4 of his or her shoes saying, "What are you
5 talking about? This is a 3-year-old child.
6 You've got DBTs."

7 So, to make it credible, you would
8 have to make it relevant and use the items
9 that were mentioned as being relevant for that
10 particular condition.

11 MS. PACE: That was one of the
12 discussions in the other TAP, is that, once
13 you have done this analysis and identified
14 what are the most important drivers of
15 complications, then make the measure around
16 that, which becomes more understandable, more
17 verifiable.

18 I mean that was just a comment. I
19 don't know whether is the way to go, but that
20 parallels what you are just saying there.

21 DR. O'CONNOR: Because getting buy-
22 in from pediatric asthma docs is going to be
23 difficult.

24 MS. WINKLER: We are kind of at the
25 end of this conversation, but, essentially,
26 you have all looked at the asthma and the
27 pediatric asthma --

28 DR. O'CONNOR: Yes, everything we
29 just said applies to --

30 MS. WINKLER: Well, that is exactly
31 what I was going to say. Is that the case?
32 Was there anything, in addition, that was

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1 specific to asthma or the pediatric asthma you
2 want to say over and above what we have
3 already said about this kind of measure in
4 general?

5 DR. O'CONNOR: Just one or two
6 minor comments really.

7 Let's see, what section? This
8 would be 2b, the reliability testing section.
9 You have done it on 11 datasets; 10,500
10 children with asthma were included in this
11 analysis. And the PAC complication rates
12 range of 47 to 79 percent.

13 I don't think there is a pediatric
14 asthma doctor that is going to believe that 47
15 percent of healthy children with asthma have a
16 complication like this. It just doesn't rise
17 to the level of believability. I don't
18 understand the data.

19 I would have to see specific
20 information to understand why between 50 and
21 80 percent of the kids with asthma along to
22 the potential avoidable complications.

23 DR. RASTOGI: And then you can see
24 that same example sheet that we submitted and
25 the last two tabs, you know, the percentage of
26 PACs and --

27 DR. O'CONNOR: My point is that the
28 only things that I read in the PAC that seemed
29 relevant which were curious potential
30 avoidable complications of hospital or ER
31 visits related to asthma or acute exacerbation
32 of asthma, even those two wouldn't account for

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1 50 to 80 percent of the kids with asthma. Our
2 hospital, the ER rates are dramatically lower
3 than that.

4 And looking at everything else in
5 here, they don't all apply to children. So I
6 have a hard time understanding what --

7 MS. PACE: Which measure? What
8 number is that one?

9 DR. O'CONNOR: The pediatric asthma
10 one.

11 MS. PACE: Twenty-one. Do you want
12 to open that Excel file that she was referring
13 to?

14 MS. FORMAN: It's up.

15 MS. WINKLER: Oh, okay. Sorry.

16 Donald, the screen. I am just
17 wondering, are we getting glare?

18 DONALD: Yes. See, there's some
19 right in front of the camera?

20 MS. WINKLER: Yes, that first one,
21 if we could just --

22 So which tabs should we look at?

23 DR. O'CONNOR: It says 23 percent
24 of the kids were felt to have a mental or
25 behavioral illness.

26 DR. RASTOGI: This is the
27 admissions.

28 DR. O'CONNOR: Is this the entire
29 list?

30 DR. RASTOGI: Right. So, if you
31 scroll up -- oh, maybe it is at the top. Is
32 it? Right, yes.

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1 Okay. So we can see that, you
2 know, this is the stay part of it, you know,
3 what percentage of stays --

4 MS. PACE: Hospital stay you mean
5 or --

6 DR. RASTOGI: Hospital stays,
7 right, for various conditions.

8 DR. O'CONNOR: So these are
9 hospital-associated complications, not
10 necessarily ambulatory?

11 DR. RASTOGI: So patients with
12 asthma who were admitted to the hospital, the
13 principal diagnosis on the hospital stay has
14 been identified here.

15 DR. O'CONNOR: That not really a
16 dataset defined by the measure, though.

17 MS. WINKLER: So I guess that is
18 the question. The peds asthma is keyed off of
19 patients that were hospitalized. Yes?

20 DR. RASTOGI: The peds asthma is
21 the whole episode. Right?

22 MS. WINKLER: Okay.

23 DR. RASTOGI: And if they had, if a
24 pediatric patient had a treatment for asthma,
25 it is a pediatric asthma as this one starts.

26 MS. WINKLER: Right.

27 DR. RASTOGI: Then during that one
28 year, if they get hospitalized, then all the
29 hospitalizations are aggregated here, and we
30 are looking at the principal diagnosis for
31 those hospitalizations.

32 DR. O'CONNOR: So, if a child had

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1 an episode of asthma and was never admitted to
2 the hospital, they would never appear on your
3 dataset?

4 DR. RASTOGI: They won't be in this
5 tab, but in the next tab, which is the
6 professional tab, you would see the
7 potentially avoidable complications.

8 DR. O'CONNOR: If a child was
9 admitted during this year for what appeared to
10 be a dehydration episode because you have
11 electrolyte disturbances in 5 percent of the
12 kids, that would appear in this?

13 DR. RASTOGI: Yes. So, if they did
14 an exclusion, and they were --

15 DR. O'CONNOR: But point is that a
16 child, you know, a 4-year-old who gets a
17 virus, is vomiting with diarrhea, has to be
18 admitted to the hospital for dehydration. How
19 is that a potentially avoidable complication
20 in an asthma population? That is a childhood
21 illness, and that is a routine childhood
22 illness. We see it all the time.

23 This is for the professional
24 charges for ambulatory?

25 DR. RASTOGI: Right. So these are
26 the professional claims. Then, here you can
27 see what were the top drivers for --

28 DR. O'CONNOR: Adverse effects of
29 drugs, 30, 29 percent?

30 And wound care, splints, and
31 ostomy, 20 percent?

32 I don't know how this is 30 to 40

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1 of asthma patients --

2 DR. RASTOGI: So, when you think in
3 terms of the asthma patient, and you see can
4 these conditions be avoidable, and when you
5 are thinking of the entire patient in a
6 medical whole kind of idea, now you want to
7 avoid many of these problems.

8 DR. O'CONNOR: I guess I am more of
9 an English language purist in the sense that,
10 if you tell me this is a potentially avoidable
11 complication, I get the sense that I, as a
12 physician, have done something incorrect that
13 I should correct to prevent this complication
14 from occurring again. I don't see that this
15 data leads me in that direction. I think it
16 has been mislabeled, basically.

17 DR. NEFF: And also, just from a
18 purist perspective, respiratory failure, I
19 mean we are getting into these issues with
20 coding as well. If we call it acute
21 respiratory failure, it bills one way. And if
22 we call it pulmonary insufficiency, it bills
23 the other. But, from an AHRQ perspective, it
24 is a big difference. One is a bad thing post-
25 op; the other isn't. And I don't know what
26 those mean.

27 DR. O'CONNOR: And it is even worse
28 here because these are ambulatory charges.

29 DR. NEFF: Yes.

30 DR. O'CONNOR: Respiratory failure
31 in an office?

32 DR. NEFF: Maybe that has got some

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1 whacky code.

2 DR. O'CONNOR: Yes, it's got to be
3 a quirk.

4 DR. RASTOGI: Now these are
5 professional visits.

6 DR. NEFF: Yes.

7 DR. RASTOGI: So it could be
8 inpatient or outpatient professional. Yes,
9 these are professional services.

10 DR. O'CONNOR: But go back to the
11 previous slide where you had inpatient.

12 DR. RASTOGI: That is this one.

13 DR. O'CONNOR: The previous tab.
14 You have respiratory failure here
15 as well.

16 DR. RASTOGI: Yes.

17 DR. O'CONNOR: So 20 percent of the
18 charges on the next page come from the
19 hospital. That means 20 percent of the
20 charges come from an ambulatory setting for
21 respiratory insufficiency or respiratory
22 failure?

23 DR. RASTOGI: Look at the end.

24 DR. O'CONNOR: Yes, I know.

25 DR. RASTOGI: Okay. Over here in
26 this 149 and in the next tab in the
27 professional, it was in the 6,000.

28 DR. O'CONNOR: So that makes it
29 even -- 8,800 --

30 DR. RASTOGI: Yes.

31 DR. O'CONNOR: That makes it even
32 worse. How did 8,700 children get coded as

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1 respiratory failure?

2 DR. RASTOGI: Now this is number of
3 occurrences. Okay? It is not number of
4 patients.

5 DR. O'CONNOR: Number of
6 occurrences.

7 MS. PACE: Of the PAC?

8 DR. O'CONNOR: Have you ever coded
9 respiratory failure in your office?

10 MS. PACE: Well, this is also
11 professional visits to the hospital.

12 DR. O'CONNOR: Yes, but that is all
13 they have in this --

14 MS. PACE: Oh, 140 --

15 DR. MILLARD: Although if they were
16 multiple, is this daily charges?

17 DR. O'CONNOR: No, that would be on
18 the hospital side of the charges.

19 DR. RASTOGI: Yes. The costs are
20 associated with the professional bills.

21 DR. O'CONNOR: This probably just
22 illustrates the point I am trying to make, is
23 that the credibility factor needs to be
24 addressed.

25 DR. RASTOGI: It is amazing that
26 the data is this way because it is. And
27 people usually, you know, when physicians see
28 it for the first time, they jump out of their
29 skins, too. They go back and they look, and
30 they say, why is it happening so much?

31 DR. O'CONNOR: I think what you
32 need to do is to plow the ground and plant

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1 some seeds in a sense that this data needs to
2 go through a peer-review process to become
3 credible before --

4 DR. RASTOGI: Yes, you know, it has
5 been vetted by several physicians. But, yes,
6 on the NQF side, too, it would be nice if you
7 could, yes.

8 MS. PACE: Well, I think I
9 understand your development process involved
10 expert panels and things. I guess the
11 question that comes up, or at least in these
12 prior measures, is, you know, how reproducible
13 is that one small group? And I don't know
14 what the numbers come to in this. In those
15 prior measures, you know, they even reported,
16 "We had this group of physicians look at
17 10,000 ICD-9 code pairs." Then, just from a
18 logistical and people start saying, how did
19 six physicians look at 10,000 pairs of
20 diagnoses and arrive at this?

21 I mean it just starts raising lots
22 of questions. I don't know what the answer is
23 or if there is an answer.

24 DR. RASTOGI: In these kinds of
25 outputs, some of the tables are available for
26 all the 11 different databases we ran the data
27 on. So we can provide those to you, too, if
28 you wanted to look at that.

29 And like I mentioned, this is
30 version 1.0. Now, based on version 3, that we
31 have the latest coding, the latest outputs are
32 just coming out.

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1 But the validity testing that they
2 have done --

3 MS. PACE: Right, because this PAC
4 is actually, you know, a string of diagnoses
5 codes --

6 DR. RASTOGI: Exactly.

7 MS. PACE: -- that go into forming
8 that PAC.

9 DR. RASTOGI: Exactly.

10 MS. PACE: And it just this becomes
11 this kind of exponential number of things that
12 --

13 DR. RASTOGI: Yes, it is --

14 MS. PACE: -- a group has done in a
15 computer algorithm. It is something that, as
16 people start looking at the measure, have
17 difficulty actually kind of comprehending --

18 DR. RASTOGI: Yes.

19 MS. PACE: -- when you start
20 talking about that. I mean I think --

21 DR. RASTOGI: That is exactly --

22 MS. PACE: -- that is part of the
23 disconnect of dealing with people instead of
24 computers.

25 DR. RASTOGI: Yes, exactly.

26 DR. O'CONNOR: I guess part of it,
27 too, under 1c, part of the justification here
28 is that, if properly managed, these avoidable
29 complications -- well, I am not sure that
30 these are avoidable complications. Some of
31 these are just merely listing some routine
32 childhood illnesses.

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1 There seems to be a message that is
2 being sent that probably ought to be
3 retrieved --

4 MS. PACE: And you know, that is
5 kind of two different philosophies of how to
6 view these kinds of measures. One is just
7 identify complications and measure it and
8 risk-adjust, and then look at, are there some
9 people, some providers that actually have
10 fewer numbers, and what are they doing? And
11 not try to do the value judgment of what is
12 avoidable.

13 Or the other kind of philosophy is,
14 no, we only want to measure it if it is
15 absolutely avoidable.

16 But I think this is kind of a
17 mixture of what you are --

18 DR. O'CONNOR: But from NQF's
19 perspective, I would think if you are going to
20 approve a measure, that people who are going
21 to come to you to use the measure want some
22 assurance that, in fact, there is a benchmark
23 that they can compare themselves to and change
24 some stuff and improve. And I am not sure
25 that that is going to occur here, the way
26 they've got it all wrapped up into one grand
27 number.

28 But that is an application issue.
29 The data is fascinating. It is incredible.

30 All right?

31 MS. WINKLER: So is there anything
32 more to say? Or have we said it?

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1 DR. O'CONNOR: No, I think we've
2 said it.

3 In the beginning this morning, you
4 had mentioned whether or not there might be
5 other ideas for other measures at some point
6 in the future.

7 MS. WINKLER: Uh-hum.

8 DR. O'CONNOR: Let me just put one
9 on the table. It is the elephant in the room
10 that nobody ever talks about. That is
11 compliance.

12 MS. WINKLER: Uh-hum.

13 DR. O'CONNOR: How often patients,
14 why patients with asthma are so very different
15 than patients with, say, diabetes. Under the
16 best of circumstances, the national data would
17 suggest that the refill rate for preventive
18 medications runs between three and four units
19 per patient per year. That is about a 75
20 percent non-compliance rate.

21 MS. WINKLER: Yes.

22 DR. O'CONNOR: If you do frequency
23 distribution analysis on the users, you will
24 find out that less than a third of your
25 patients are actually using more than six
26 units per patient per year. And they tend to
27 drive and bring up the ones that are only
28 using it once or twice a year.

29 That is the major issue facing us
30 in asthma care in the United States.
31 Everybody seems to know about it, but there
32 really isn't any movement that I can detect --

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1 MS. WINKLER: Yes, we sure have.
2 Yes, management came through with several
3 measures. NCQA particularly has several
4 adherence/compliance, compliance/adherence,
5 pick your name, measures around use of
6 medications, suboptimal use of medication,
7 appropriate use of rescue medication, things
8 like that.

9 So those measures exist. To the
10 degree that they get implemented, get used to
11 make any changes, I think we are still in the
12 early stages of that. So there are some.

13 But I guess some of the questions
14 around these conditions here being asthma on
15 types of outcomes --

16 DR. O'CONNOR: I don't know what
17 the refill rate is for COPD. I just know for
18 asthma.

19 MS. PACE: Yes, it is pretty bad.

20 MS. WINKLER: Yes. Well,
21 hopefully, we are going to be getting some
22 more data as some of these measures get
23 implemented more and more.

24 But I think in terms of outcome
25 measures for asthma, I mean this is more sort
26 of a negative side. What are positive sides?
27 What is a good outcome for a patient with
28 asthma, you know, for a kid or an adult, as a
29 result of appropriate, effective treatment?
30 You know, is it functional, and they do what
31 they need to do? Impact on your life, all
32 these --

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1 DR. O'CONNOR: Well, according to
2 Dr. Millard, we can stop worrying about school
3 attendance.

4 DR. MILLARD: If you live in
5 Dallas, Texas.

6 (Laughter.)

7 MS. WINKLER: If you live in
8 Dallas, Texas. What? Does nobody go to
9 school?

10 (Laughter.)

11 DR. O'CONNOR: Nobody goes to
12 school. So it doesn't make any difference.

13 (Laughter.)

14 DR. MILLARD: No, my read is that
15 there was such a push for attendance data,
16 that somewhere in the school administration
17 somebody cooks the data on school attendance
18 because they are paid on attendance. When 97
19 percent of kids in an urban school district
20 are counted as present on a daily basis¹ --

¹ Please note the following clarifying statement about
this comment from Dr. Millard:

"In the process of responding to a colleague's
comment about our recently published study in CHEST
that notes children with asthma do not appear to miss
more school than non-asthmatic classmates, I began
the discussion by raising the question as to whether
the reported data was "cooked" by school
administrators, referring to the economic incentive
to report high levels of school attendance for state
funding purposes. At the point that I was going
to refute that charge with arguments to the
contrary, the conversation changed to a different
path and I was unable to finish my entire
thought. As such, therefore, what is recorded, is
not an accurate reflection of my sentiments, and
represents, indeed, the opposite opinion from
what I was intending to state and what I believe

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1 DR. O'CONNOR: It makes you wonder.

2 DR. MILLARD: I'm sorry, you know,
3 kids in Texas are no different than kids in
4 California or --

5 DR. O'CONNOR: Kids are kids.

6 MS. WINKLER: Well, I think the one
7 thing that I think would be helpful, because
8 we are going to need to have at least one, if
9 not two, follow-up conference calls to kind of
10 give yourself a chance to think through some
11 of this, what we have talked today.

12 We are going capture all this and
13 put into a single form and let you all look at
14 it, to be sure we have reflected what you have
15 said.

16 But, also, I think a lot of this is
17 kind of tough, complicated stuff, and there is
18 an opportunity to reflect. And we do have the
19 time to do that.

20 In some of the materials we sent
21 you upfront was, on this topic, the very end
22 of sort of the briefing memo, was what the
23 Steering Committee as sort of a bit of
24 framework of types of outcome measures. One
25 of them was functional status. One was
26 symptom control. One was -- shoot, I can't
27 even remember now. My brain is fried.

28 But the idea of those are potential
29 types of outcome measures, and not all will

to be true: that children with asthma, when properly cared for, do not have to miss more school than their non-asthmatic peers."

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1 apply to all different conditions. But
2 perhaps these become the ideas of good outcome
3 measures, information that actually will be
4 usable to a wide variety of stakeholders,
5 something that gives us something more to work
6 with, to say, you know, how is it going? How
7 good is it? Can we do better? And what are
8 the things that are particularly important?

9 Yes, I was going to say there they
10 are. Patient functions, symptoms, quality of
11 life. We saw something about it today.
12 Intermediate clinical outcomes. You know, you
13 see that much more readily in something like
14 diabetes or blood pressure control, or
15 something like that. It may not be as
16 applicable here.

17 But experience of care or
18 caregivers. But knowledge, understanding,
19 behaviors. There's where your
20 adherence/compliance comes in as an outcome
21 measure.

22 Healthcare service utilization.
23 This is the ER visit for asthma or the
24 hospitalization or the re-admission, or
25 something like that.

26 The clinical morbidity, aside from
27 mortality, related to disease control and
28 treatment. And the classic example is
29 amputations in diabetics. You know, you get
30 something really dreadful because you just
31 weren't taking care of business.

32 Then safe and healthy living

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1 environments. Adverse events, clearly, you
2 know, we have talked about that at length
3 today, as well as mortality.

4 If there are any others that you
5 can think of? But in terms of focusing on
6 these, a variety of ways of describing the
7 outcome for patients with COPD and patients
8 with asthma --

9 DR. MILLARD: Well, the big asthma
10 metric that is supplanted rules, too, in terms
11 of -- because you gave a number, the asthma
12 control test, because at least that has a
13 number. It has a number associated with it.

14 DR. O'CONNOR: And I don't know how
15 it is in other parts of the country, but we do
16 an ACT on every patient on every visit.

17 DR. MILLARD: The ACT in the
18 primary care world has been dead on arrival.
19 Nobody does it.

20 MS. PACE: And what does that
21 entail?

22 DR. O'CONNOR: It is five
23 questions.

24 DR. MILLARD: Like a scale and it
25 is added up and --

26 DR. O'CONNOR: A score of 19 or
27 less suggests there are issues of control.

28 MS. PACE: These are all --

29 DR. O'CONNOR: "Over the last four
30 weeks, I walked in and he had a nighttime
31 disturbance" --

32 MS. WINKLER: But the patient tells

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1 you what is going on. You are asking the
2 patient.

3 DR. O'CONNOR: It is a simple
4 number.

5 DR. NEFF: They are saying that you
6 wouldn't otherwise extract just by a chat.

7 MS. WINKLER: That is a good
8 intermediate control. Really, that sounds
9 like sort of your intermediate outcomish --
10 although it may change not in a linear
11 fashion, but may go up and down.

12 DR. MILLARD: Well, depending on
13 the exacerbation. That is now, when you look
14 at the asthma guidelines, that is some metric
15 of -- that really does combine a lot of the
16 metrics of asthma control. Really, the only
17 thing it lacks is some sort of objective
18 measurement.

19 MS. WINKLER: One of the
20 interesting things that we talked about in the
21 Steering Committee was in terms of
22 particularly things like function, is where
23 the data comes from.

24 You can get data from the patient,
25 either through a structured questionnaire or
26 they report, the patient or family reports and
27 tells you about it, as opposed to, you know,
28 clinician observation of. I mean you could
29 tell, if you have to take care of them in the
30 ER, you know, every week, you are going to get
31 a similar sort of answer, but it is of
32 inadequate control, but it is going to be of a

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1 different type of data.

2 And there was a large support for
3 using these patient-reported data as a really
4 good source of these kinds of questionnaires,
5 particularly when they can be embedded into
6 your medical record. It could be embedded
7 into your EHR. You know, you just ask the
8 questions, check the box, and calculate your
9 number, and that is recorded onward.

10 DR. O'CONNOR: That is a challenge
11 right now because we have an EHR. Currently,
12 we are scanning ACTs in, but we have talked to
13 the people about doing -- who talked about a
14 flowchart?

15 MS. PACE: I was asking about that.

16 DR. O'CONNOR: The ACT is perfect
17 for a flowchart, and that would be just ideal
18 because we could do the ACT when they come in,
19 and the nurse could just simply put the number
20 in a box on the flowchart, and it is part of
21 the medical record.

22 MS. WINKLER: Right.

23 DR. O'CONNOR: It is retrievable
24 and it is there for --

25 MS. PACE: Right, exactly. It
26 would be in a field.

27 MS. WINKLER: See, I like that
28 because people keep asking about, oh, well, we
29 can't get patient-reported data; it is too
30 expensive, too burdensome to do
31 questionnaires.

32 Wait a minute. Wait a minute.

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1 That is what history is, you know.

2 MS. PACE: It is in a structured
3 format.

4 DR. MILLARD: But it key is to
5 direct it. I mean it is very simple because
6 asthma lends itself to very focused --

7 MS. WINKLER: But it is
8 standardized. It is structured.

9 DR. MILLARD: And it has been
10 validated.

11 MS. WINKLER: And it lends itself
12 to individual goals.

13 DR. O'CONNOR: And there's a
14 pediatric version as well.

15 MS. PACE: But, I mean, it would be
16 similar to, you know, the measures you looked
17 at first today, the health-related quality of
18 life and the six-minute walk.

19 DR. O'CONNOR: Exercise tolerance,
20 yes.

21 MS. WINKLER: Yes. So, I mean, it
22 would be in that vein, and you could look at
23 changes or you could just look at levels. I
24 don't know how it would be best to construct
25 the measure, but would be a great -- but those
26 are the kinds of things that there actually is
27 to think about in posing, what would be good
28 outcome measures for asthma?

29 I mean there was a big emphasis on
30 COPD today, which, of course, HHS will like
31 very much. But asthma is still a huge issue
32 for younger populations, and we just don't

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1 have quite as much in that arena, it would
2 seem. So trying to get a handle on that of
3 where we would like to go, learn more about
4 the outcomes around asthma treatment for both
5 children and adults.

6 DR. MILLARD: You would get a lot
7 of money from pharma if you put the ACT out
8 there because that is what drives, I mean that
9 is what drives prescriptions, is bad asthma
10 control.

11 DR. O'CONNOR: And it turns out
12 that, I mean quite truthfully, I will see a
13 patient in the office and their pulmonary
14 function could be perfectly normal, but their
15 control is just absolutely dreadful. PFTs are
16 a poor positive predictive value; for normal
17 PFT, it is really very low. I mean, yes, if
18 the PFTs are bad, you've got to pin your ears
19 back because there is something really wrong.

20 But you can have an out-of-control asthma
21 patient who has a normal blood test. That is
22 the issue.

23 That is where something like the
24 ACT comes in because it absolutely does give
25 you a different objective point. PFTs, there
26 is no reason why soon they shouldn't be all
27 retrievable in an EHR as well.

28 MS. WINKLER: Good.

29 Margaret?

30 DR. NEFF: Theoretically.

31 MS. PACE: You're saying that that
32 wouldn't really give you much indication of

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1 quality of control, by looking at pulmonary
2 function?

3 DR. O'CONNOR: No. I will do PFTs
4 on patients when they come in the first time,
5 especially if their persability needs to be
6 demonstrated. But, after that, I would rather
7 rely on the clinical history and an ACT
8 because I have too often been burned by a
9 patient what appears to be normal pulmonary
10 function who is actually doing quite poorly.

11 DR. MILLARD: Although the critique
12 of the ACT and clinical assessment is you
13 can't guess lung function. In the adult
14 population, it may be the reverse thing.
15 Because we are doing a study right now with a
16 control of breathing, a non-medical
17 intervention to try to downregulate asthma
18 symptoms. And I get to see all these people
19 that I have never seen before who have asthma
20 diagnosis and guess their lung function before
21 they have their methacholine challenge. I am
22 a terrible clinician. I can't guess their
23 lung function to safe my life.

24 I mean because adults at least get
25 used to having low lung function, and you can
26 say this person doesn't have any symptoms at
27 all. Are they going to qualify? And you look
28 at their PFT --

29 DR. O'CONNOR: It scares you. It
30 scares you.

31 DR. MILLARD: It scares me to
32 death. Now it is smokers.

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1 MS. WINKLER: Yes.

2 DR. MILLARD: And that has been
3 sort of the reason why --

4 DR. O'CONNOR: That is amply
5 stated, and it is actually quite solid
6 information, too.

7 DR. MILLARD: Maybe a lot of us
8 aren't as effective anymore.

9 DR. O'CONNOR: Okay. The other
10 thing is that oftentimes you have to do -- it
11 is a gestalt, a clinical history, a physical
12 exam, and ACT, and PFT, and exhaled nitric
13 oxide, and you put everything together then,
14 and come up with some --

15 MS. WINKLER: Margaret, in terms of
16 the intensive care unit, I mean it looks like
17 we are moving towards something for mortality,
18 which of course is the big one there, but are
19 there are some other things that, thinking
20 about outcomes in a broader perspective?

21 DR. NEFF: Well, I mean I think you
22 brought up a little bit sort of healthcare
23 utilization, sort of recidivism kind of comes
24 to mind a lot in the concept of, whether it is
25 ICU bouncebacks, which is a big deal. People
26 coming out of the ICU are coming back within
27 24 hours. And the same thing could be said
28 for the ED, and we know the ones that come
29 back two or three times are the ones that are
30 the worst off. It is all kind of part of the
31 same process.

32 There is also sort of that

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1 flowthrough. So it is kind of a triaging flow
2 of patient utilization of resources in a way
3 that actually gets them where they need to go
4 and not letting go of them too soon or too
5 late.

6 So it kind of works in a little bit
7 with that ICU length of stay, but the
8 bouncebacks, I would say, are probably pretty
9 high on our radar right now because they are
10 probably -- there is something modifiable in
11 there. I think you could expand that to other
12 venues within the hospital pretty easily as
13 well.

14 I don't know how that would morph
15 into an outcome, but it is definitely sort of
16 an issue that we are trying to find sort of
17 process that improves outcomes. So it is kind
18 of they sort of have to all sort of link
19 together.

20 MS. WINKLER: All right. Is
21 everybody pretty much tired out?

22 Thank you, guys.

23 (Whereupon, at 3:30 p.m., the
24 proceedings in the above-entitled matter were
25 adjourned.)

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